### Index to 2008 QST

75, 50 and 25 Years Ago (Brodgon)

January 1933; 1958; 1983: Jan, 94
February 1933, 1958, 1983: Feb, 99
March 1933, 1958, 1983: Mar, 97
April 1933, 1958, 1983: Apr, 100
May 1933, 1958, 1983: May, 100
June 1933, 1958, 1983: Jun, 102
July 1933, 1958, 1983: Jul, 102
August 1933, 1958, 1983: Aug, 102
September 1933, 1958, 1983: Sep, 102
October 1933, 1958, 1983: Oct, 98
November 1933, 1958, 1983: Nov, 100
December 1923, 1958, 1983: Dec, 99

## **Amateur Radio World (Keane)**

WRC-07: The Rest of the Story; New Prefix for Bosnia-Herzegovina Officially Announced (T9A-T9Z Bosnia; E7A-E7Z Herzegovina): Mar, 94

ARDF World Championship; Finding Direction Across the Globe: Jun. 97

HAM RADIO 2008 (Friedrichshafen); IARU Administrative Council: Sep, 91

Growing (and Going) for Gold (Ellam, Garpestad Accept Nominations for IARU Leadership; Two Amateur Radio Societies Petition to Join IARU; IARU-Endorsed Booklet Promoting Ethics, Operating Issues, Now Available; IARU Seeks Input on QSL Bureaus; Growing (and Going) for Gold (Going for ARDF Gold in Korea): Dec, 66

# ARRL Emergency Communications Course Honor Roll

Mar, 58; Jun, 44; Sep, 90; Dec, 97

#### ARRL Section Managers — Page 16

#### **ARRL VEC Volunteer Examiner Honor Roll**

Mar, 55; Dec, 100

# At the Foundation (Hobart)

2008 Scholarship Winners: Sep, 95

Another New Scholarship Added to the ARRL Foundation

Awards!: May, 96

More Than 55 Foundation-Sponsored Scholarships

Available: Nov. 97

The ARRL Foundation — Dedicated to Amateur Radio's

Future!: Mar, 96

The ARRL Scholarship Application Period Closes

February 1!: Jan, 99

Young Texan Wins 2008 Goldfarb Scholarship! (Austin

Evans Wilmont; KD5QSK): Jul, 93

## **Coming Conventions (lannone)**

Jan, 95; Feb, 100; Mar, 98; Apr, 96; May, 96; Jun, 103; Jul, 97; Aug, 97; Sep, 97; Oct, 99; Nov, 97; Dec, 96

### Correspondence

A Little Extra Studying (Moravec): Sep, 24 A Look Back in Time (Cieslak): Nov, 24

A New Way of Looking at Things (Barton): Jun, 24

A Welcome Surprise (Kerr): Nov, 24

Absolute Zero? Absolute Fun! (Perry): Feb, 24

Antenna Action (Henderson): Dec, 24 Antenna Action (Greene): Dec, 24

Behind the Microphone (Hampton): May, 24 Blast from the Past QSO (Machesney): Jun, 24

Consideration is Key (Jacobsen): Jan, 24 Contest Fallacy (DiDonna): Apr, 24

Different, but Still the Same (Rehak): Nov, 24 Excitement and Pleasure (Forniash): Jul, 24

Field Day is What You Make It (Bellner): Aug, 24

Fifth Pillar (Wood): Jul, 24

Fight Fiercely Harvard (Pakula): Mar, 24 Fighting the Good Fight (Barthel): Aug, 24 First VE Experience (Gindlesberger): Jul, 24

Getting Through (Rolek): Jul, 24 Growing Pains (Leggett): Apr, 24 Having a Fit (Lavezza): Aug, 24 Hey, Mr Postman (Johnson): Oct, 24 Honor Among Hams (Walter): Dec, 24

Hurrah for State QSO Parties (Cincotta): Nov, 24 If You Build It, You'll Have Fun (Harris): Mar, 24

Island Happy (Grob): Feb, 24 Joys of JOTA (Jabour): Dec, 24 Keeping Fit (Skamarakas): Jul, 24

Keeping the Legacy Alive (Morrow): Jan, 24

Learning Curve (Schwanitz): Aug, 24 Let the Sunshine In (Bingham): Aug, 24 Logbook Lethargy (Gondek Sr): Feb, 24

Making Room for Everyone (Goodwin): Dec, 24 Membership Has Its Privileges (Poland): Dec, 24

Mic Polarization and You (Cohen, Hoffer, Oswald): May, 24

More to Ham Radio than Meets the Ear (Albertus): Aug, 24

Morse Melodies (Mahoney): Sep, 24 Morse on Main Street (Husher): Jan, 24

New Technologies should Incorporate the Old (Derr): Oct,

North to Alaska (Burokas): Nov, 24 Old Man, New Ham (Ross): May, 24

On the Road Again (Murray, Witt): May, 24 Paunch List (Conklin): Jun, 24

Piling On (Miller): Nov. 24

PL-259s at All Levels (Kearns, Powell): Oct, 24

QST Reflects State of Ham Radio (Hejtmanek, Myers):
Apr. 24

Radio Waves Good-Bye to Cancer? (Falletta, Ray): Mar, 24

Rallying 'Round Radiosport (Claerbout): Mar, 24

Receiver Recollections (Hayne III): Jan, 24 Remembering Milestones (Ringer): Jun, 24

Riding the Waves (Glenn): May, 24 Room for Everyone (Turnbull): Mar, 24

Safety First! (Stevenson): May, 24

Setting the Record Straight on Sputnik (Addabbo): Oct, 24

Special Deliveries (Baker, Peterson): Sep, 24 Technical Perspective (Dittlinger): Jun, 24 The Final Courtesy (Byers): Feb, 24 The Human Touch (Yellin): Sep, 24

The Magic of Ham Radio (Brinson): Aug, 24

Tower Talk (Henderson, Lunday): Sep, 24

Tripping to Newington (Hovey): Oct, 24 Up-to-Date Information is Important (Scott): Apr, 24 Vintage Issue Brings Back Memories (Bossie): Mar, 24 Weekend Warriors (Eaton): Jan, 24 What's Cooking? (Wiesen): Jul, 24 You're Grounded! (Thompson): Nov, 24

## **Eclectic Technology (Ford)**

- Communicating with a "Whisper"; Femto Cells; Rain Power; Search Engine for Electronic Components: Sep, 92
- CW Skimmer, WXSpots and More (Narrow Bandwidth SSTV): Jun. 98
- Electron Filmed for First Time; NBEMS in Mississippi; A Different Approach to Improved Repeater Coverage; If RST Doesn't Cut It, How About RSQ?: Aug, 92
- Linux (and PSKMail) "Inside" Windows (Puppy Linux): Jan, 89
- Narrow Band Emergency Messaging System (NBEMS; FDMDV; XP Countdown): Apr, 80
- Promoting Amateur Television on the Internet; Space Weather Alerts on Your Telephone; Let's Fly a Kite: Dec, 93
- PropNET; More on the Wearable Power Contest; Software Defined Radio on a PS3: Mar, 95
- SDR on the March; Text Message Gateway; Streetlights as Digital Networks?: Oct, 94
- SMDs—Resistance is Futile; Dwindling Technology Resource Scare Du Jour (Helium); What Is That Strange Sound (Digital Modes); Microwave Mortuary: May, 95
- Time-Nuts; Memory Storage on Very Small Wires; A Knotty Problem: Feb, 82
- Tracking Trains on 900 MHz (Advanced Train Control System), D-STAR "TV"; Corral Your CPU Cycles with Process Lasso: Nov. 84

#### Exam Info (Somma)

- 2008 ARRL National Exam Day Weekends: Jan, 92 and Jul, 76
- Exam Info, Extra Pool Update Activity Update VE Manual Update: Jul, 76
- Exam Info, New 2008/2007 Pool Under Review: Jan, 92 Exam Info, New Amateur Radio Rule Kept Us Busy!: Jan, 92

## **Feeback**

- Silent Keys (June 2008 *QST*, p 101) (Hurtado): Aug, 88 The Handy Yagi Antenna (November 2007 *QST*, pp 37-38) (Hart): Feb, 44
- 2008 ARRL January VHF Sweepstakes Results (July 2008 *QST*, pp 84-87) (Carman): Aug, 88
- 2007 ARRL 10 GHz and Up Contest Results (March 2008 *QST*, pp 79-80) (Kutzko): Apr, 58
- 2007 ARRL International DX Phone Contest Results (October 2007 *QST*, pp 95-100) (Silver): Mar, 80
- 2007 ARRL International EME Competition Results (Alexander): Aug, 88
- 2007 ARRL June VHF QSO Party Results (December 2007, pp 92-95) (Rosen): Jan, 68
- 2007 ARRL RTTY Roundup Results (July 2007, pp 99-100) (Townsend): Aug, 88

- 2007 ARRL September VHF QSO Party Results (March 2008 QST, pp 75-78) (Kutzko): Jul, 38; Aug, 88
- 2007 IARU HF World Championship Results (March 2008 QST, pp 81-84) (Luetzelschwab): May, 51; August, 88
- A CW Transmit Interface for CW (December 2007 *QST*, pp 46-47) (Margeson): Feb, 44; Mar, 80
- A Wireless PTT Switch for Mobile Operations (November 2008 *QST*, pp 73-75) (Haines): Dec, 98
- ARRL Board Names Award Recipients for 2007-2008: ARRL Technical Innovation Award: Dave Bernstein, AA6YQ (October 2008 *QST*, p 60) (Keane): Dec, 98
- Building the Tinker Box (January 2007 *QST*, pp 35-38) (Hutchins): Mar, 80
- Converting a Heathkit SB-220 Amplifier to 6 Meters (April 2008 *QST*, pp 38-40) (Gilbert): Oct, 72
- Down Periscope The Remote Mobile Antenna Lowering System (August 2008 *QST*, pp 41-42) (Booher): Sep, 51
- Experimenter's RF Spectrum Analyzer (October 2008 *QST*, pp 36-40) (Steber): Nov, 35
- Getting on the Air: Selecting Your First HF Transceiver (May 2008 QST, pp 71-73) (Hallas): Jul, 38
- Hamspeak (February 2008 QST, p 103): Apr, 58 Hamspeak (July 2008 QST, p 103): Aug, 88
- Hands-On Radio: Experiment #58 Double Stubs II
- (November 2007 *QST*, pp 67-68) (Silver): Jan, 68 Hands-On Radio: Experiment #64 — Waveforms and Harmonics (May 2008 *QST*, pp 74-75) (Silver): Jul, 38
- Happenings: ARRL and MARS Team Up for Washington Demo (December 2007 *QST* p 60) (Keane): Jan, 68
- Happenings: Hams Across the Nation Respond to Calls for Assistance (August 2008 *QST*, p 51) (Keane): Oct, 72
- Hints and Kinks: Two Speed Soldering Iron (February 2008 *QST*, p 80) (Nelson): Mar, 80
- Homebrew Challenge Results are In! (*sidebar* to The TAK-40 SSB CW Transceiver) (May 2008 *QST*, p 36) (Hallas): Jun, 80
- I Just Got My License and an HF Transceiver Now What? (March 2008, pp 39-40) (Wilding): Apr, 58
- Lightning: Understand It or Suffer the Consequences (Part 1 of 2) (Feb 2008 QST, pp 40-44) (Scheff): Jun, 80
- Microwavelengths: Frequency Mixers (November 2007 QST, pp 92-93) (Wade): Jan, 68
- Microwavelengths: Sequencers for Transverter Control (October 2008 *QST*, pp 95-96) (Simonton): Nov, 35
- Microwavelengths: Summer Microwave Season (August 2008 *QST*, pp 93-94) (Wade): Sep, 51
- Naughty and Nice 2007 ARRL 160 Meter Contest Results (June 2008 *QST*, pp 85-86) (Breed): Aug, 88
- New Breathing Room: 2007 ARRL November Phone Sweepstakes Results (June 2008, *pp* 87-90) (London): Aug, 88
- New Products: Dubus VHF+ Magazine Subscriptions (July 2008, p 32): Sep, 51
- Old Radio: Speed Key (February 2008 *QST*, pp 96-97) (Dilks III): Mar, 80
- Our Cover: June 2008 QST Field Day Cover: Field Day 2007, Dan Schoenknecht, KC2RKB, Springfield, NJ (June 2008 QST, p 5) (Schoenknecht): Jul, 38
- Our Cover: June 2008 *QST* Field Day Cover: Ole Virginia Hams Amateur Radio Club 2007 GOTA station (June 2008 *QST*, Cover): Sep, 51

- Pocket dBm RF Power Meter (August 2008 *QST*, pp 65-67) (Whiteside): Sep. 51
- Portable Two Element 15 Meter Yagi (July 2008 *QST*, pp 36-38) (Osterbert): Sep, 51
- Product Review: DSP Speakers: GAP Hear It Speaker and West Mountain Radio CLRspkr (November 2008 *QST*, pp 50-51) (Robins): Dec, 98
- Product Review: First Look: Elecraft K3 HF/6 Meter Transceiver (April 2008 QST, pp 41-45) (Prior): Jul, 38
- Product Review: ICOM IC-R9500 Communications Receiver (January 2008 QST, pp 69-73) (Newkirk): Mar, 80
- Product Review: Yaesu FT-450 HF and 6 Meter Transceiver (December 2007 *QST*, pp 53-59) (Lindquist): Jan, 68; Feb, 44
- Silent Keys (September 2008 *QST*, p 101) (Hurtado): Oct, 72
- Simple Sideband, Another Approach (November 2007 *QST*, pp 39-44) (Harrison): Feb, 44
- The Doctor is IN (January 2008 *QST*, pp 55-56): Apr, 58 The Hybrid Cascode — A General Purpose AGC IF Amplifier (December 2007 *QST*, pp 30-33) (Damm and Hayward): Jan, 68; *Feedback: Feb. 44*
- The Switcher (April 2008 QST, pp 75-76) (Hamblin): Jun, 80
- The TAK-40 SSB CW Transceiver (May 2008 QST, pp 33-37) (Veatch): Jun, 80
- The Universal Keying Module (November 2008 *QST*, pp 43-45) (Bryce): Dec, 98
- This Just In: In Brief (November 2008 QST, p 12) (Kleinman): Dec, 98
- This Just In: Senator Mark Pryor, Introduced BPL Bill (January 2008 *QST*, p 13) (Harrison): Mar, 80

#### Feature Articles — General Interest

13.56 MHz as a Cancer Cure? It Just Might Be... (Pitts): Feb, 52

2008 Field Day Cookbook Cover: Jun, 48.1

An Open Letter to the Amateur Radio Community (Hollingsworth): Sep, 48

ARRL Benefits and Services: Dec, 46 ARRL Field Day Supplies: Jun, 48.7

Audio Frequency Enhancement through Microphone, Antenna and Speaker Design (Katz): Apr. 57

Bon Appetit Field Day: Cajun Turkey (Auerswalk): Jun, 48.3

Corn Bread Pudding (Tucker): Jun, 48.3

Southern VT ARC "tallgating" photo (Oberhelman): Jun, 48.3

Spicy Lo Mein (Bloom): Jun, 48.3

Westchester (NY) Emergency Communications Association site photo (Baran): Jun, 48.3

Carbon Nanotube-Enhanced Thermal Destruction Of Cancer Cells In A Noninvasive Radiofrequency Field (sidebar to 13.56 MHz as a Cancer Cure? It Just Might Be...) (Pitts): Feb, 54

CQ Contest! A History of Radiosport (McElroy): Oct, 54 Educate and Earn Bonus Points! (Andersen): Jun, 48.2 Evolution of the Parasitic Beam Antenna (Dodd): Feb, 57 For Real, 166 Million Logbook of The World QSOs! (Gustafson): Jun, 63

Frequency Measuring Test 2008 (Silver): Nov, 61

Ghost QSOs — Olivia Returns from the Noise (Robinson): Dec. 46

HF Antennas and Restricted Living (Jansson): Mar, 56 Homebrew High Adventure, 1955 Style (Brown): Aug, 50 How Can I Learn More? (sidebar to The Joy of Contesting) (Brownstein): Jan, 53

How to Succeed in Field Day By Really, Really Trying! (Henderson): Jun, 48.2

Integrating EchoLink into a Single Sideband Net (Jacob): Aug, 52

It Had to Count! (sidebar to The 2007 DXpedition to Scarborough Reef) (Mills): Apr, 53

K4GUN on Becoming a Rove Warrior (Clifford): Oct, 48 Lore of DXpeditioning (sidebar to The 2007 DXpedition to Scarborough Reef) (Laine): Apr, 54

Make that List and Check it Twice! (Hallas): Dec, 48 Overcoming Antenna Restrictions: A New Zoning Ordinance was Needed! (Merschrod): Nov, 55

Overcoming Antenna Restrictions: From CC&R to Rooftop Antennas — How it was Done (Rudin): Nov. 54

Pizza, Macaroni, Contest (Fusaro): Nov, 59

Recruiting New Hams (Moreschi): Jun, 69

RF Safety and Restricted Antennas (sidebar to HF Antennas and Restricted Living) (Jansson): Mar, 57

Save the Dates! Jump into these ARRL Contests (sidebar to The Joy of Contesting) (Brownstein): Jan, 54

Say What? An Abbreviation Contest Glossary (sidebar to The Joy of Contesting) (Brownstein): Jan, 52

So When's the Next Contest (sidebar to The Joy of Contesting) (Brownstein): Jan, 52

Some Comments on the Life of Riley (*sidebar* to An Open Letter to the Amateur Radio Community) (Hare): Sep,

Some Tips for a Memorable Field Day (Pitts): Jun, 48.6 Some Tips for the New DXer (Getz): Sep, 47

The 2007 DXpedition to Scarborough Reef (Harrell and Pescitelli): Apr, 51

The FSDXA 3B7C St Brandon DXpedition (Telenius-Lowe): Jun, 65

The Governor Gets on the Air (Palmer): Jun, 48.5

The Joy of Contesting (Brownstein): Jan, 51

The Life and Times of a Master Contester — An Interview with Tim Duffy, K3LR (Silver): Oct, 51

US Amateur Radio Bands: Jun, 48.7

US/Canada Section Abbreviation List: Jun, 48.7

What I Did for My Summer Vacation (Straw): May, 55

What is Roving? (sidebar to K4GUN on Becoming a Rove Warrior) (Sant Andrea): Oct, 50

WWII Emergency Radio — An Adventure in Homebrewing (McMurray): Sep, 50

Zero to 60 [Meters] in Five Seconds (Ford): Nov. 58

## Guide to ARRL Member Services — Page 14

#### Ham Ads

Jan, 140; Feb, 140; Mar, 148; Apr, 140; May, 164; Jun, 156; Jul, 140; Aug, 156; Sep, 164; Oct, 146; Nov, 156; Dec, 164

## **Hamfest Calendar (lannone)**

Jan, 96; Feb, 101; Mar, 98; Apr, 97; May, 97; Jun, 103; Jul, 98; Aug, 98; Sep, 98; Oct, 100; Nov, 98; Dec, 96

#### Hamspeak (Hallas)

Jan, 103; Feb, 103; Feedback: Apr, 58; Mar, 101; Apr, 101; May, 101; Jun, 105; Jul, 103; Feedback: Aug, 88; Aug, 103; Sep, 103; Oct, 103; Nov, 101; Dec, 101

## Happenings (Keane)

2007 ARRL Annual Report Now Available: Sep, 53
2008 Dayton Hamvention Awards: QST Contributing
Editor H. Ward Silver, NØAX, Named Hamvention
"Amateur of the Year"; Technical Achievement Award to
Tom McDermott, N5EG; Special Achievement Award to
Emery McClendon, KB9IBW: Jun, 56

500 kHz Experiment Enters Second Season: Jan, 77 Amateur Radio Station at Smithsonian Goes QRT: Oct, 61 ARRL "Antenna Expert" Retires (R. Dean Straw, N6BV): Apr, 61

ARRL 2008 Teachers Institute Dates Announced: Apr, 60 ARRL Brokers New 70 cm PAVE PAWS Coordination Agreement for New England: Oct, 61

ARRL Century Club Awards Get New Look (5BDXCC; VUCC): Mar, 61

ARRL Chief Technology Officer Paul Rinaldo, W4RI, to Retire: Jun, 55

ARRL DXCC Desk Approves New Operations: Jan, 77
ARRL Invites Nominations for 2008 International
Humanitarian Award: Nov, 67

ARRL Tells Red Cross of Remaining Background Check Policy Concerns: Sep, 52

ARRL Weclomes Yaesu as Principal Sponsor of Logbook of The World Web Site: Aug, 56

As Fierce Storms Pound Gulf Coast, Eastern Seaboard, Hams Respond to Help: Nov, 63

Brennan Price, N4QX, Returns to ARRL Staff: Nov, 66 City of Manassas Takes Over BPL System from Private Company: Dec. 51

Court Finds FCC Violated Administrative Procedure Act in BPL Decision: Jul, 57

Directors and Vice Directors Elected in Five ARRL Divisions: Jan, 76

Eight Tornadoes Ravage Eastern Virginia: Jul, 59 FCC Denies Two Petitions to Bring Back Morse Code Testing: May, 58

FCC Denies Utah Motorsport Park Use of Amateur Radio Frequencies: Jul. 59

Field Day 2008 Rules and Forms Now Available: Apr, 59 Five New and Five Returning Section Managers Took Office January 1: Feb, 68

Fourteen New Section Managers Visit ARRL HQ: Dec, 52 Glenn P. Swanson, KB1GW, Silent Key: Oct, 63

Global EMCOMM Conference to be Held in Germany: May, 59

Hams Across the Nation Respond to Calls for Assistance: Aug, 54; Feedback: Oct, 72

Hams Head Into Space (Garrett Reisman, KE5HAE; Greg Chamitoff, KD5PKZ): Aug, 55

Hiram Percy Maxim II, Silent Key: Mar, 61

Jim DeLoach Jr, WUØI, Named 2007 Orr Award Winner: Apr, 59

Kansas Becomes 26th State to have PRB-1 Law: Jun, 57 Kansas Ham, Son, Electrocuted While Erecting Antennas (Edward Thomas, KCØTIG, Jacob Thomas): Sep, 52

Kansas Teen Named 2008 Young Ham of the Year (Emily Stewart, KCØPTL): Sep, 54

Los Angeles County Hams Honored for Community Service: May, 61

Melville Shavelson, W6VLH, Silent Key: Jan, 77 Merle Glunt, W3OKN, Silent Key: May, 59

Montana Ham Assists in Rescue of Fellow Amateur 600 Miles Away: Dec, 53

NASA, NOAA Say Solar Cycle 24 Has Arrived: Mar, 59 National Hurricane Center Director Joins WX4NHC Annual Test: Aug, 56

New Name, Look, for ARRL Contest E-Letter: Aug, 56 Newly Elected Board Members Visit Newington (Greg Sarratt, W4OZK; Dwayne Allen, WY7FD; Greg Widin, KØGW; Marty Woll, N6VI): Mar, 60

Newspaper Reports "BPL plan is dead in Dallas": Jul, 58 Nominees Sought for ARRL Board of Directors (Sumner): Jul, 61; Aug, 58

Ohio ARES Teams Lend Support to Hepatitis Vaccination Clinic: Jun. 57

Paul Tibbets, ex-K4ZVZ, Silent Key: Jan, 77

Pennsylvania Becomes 27th State with PRB-1 Law: Dec, 52

Philadelphia Area Hams Nail Rogue Radio Signals: Sep, 53

Richard Garriott, W5KWQ, Journeys to ISS: Dec, 54
Ronald A. Parise, WA4SIR, Silent Key: Jul, 59
W1HQ Comes "Back to Life" at ARRL HQ: Apr, 62
W1HQ Notes ICOM Donations: Oct, 62
WAC and 5BWAC Certificates Get New Look: Dec, 53
Weather, Wildfires, Keep Hams Busy: Feb, 67
Wisconsin Hams Activated Due to Rare January Tornado:
Mar, 61

YASME Foundation Announces Excellence Award Winners (Joseph L. Arcure Jr, W3HNK; Sheldon C. Shallon, W6EL; James Brooks, 9V1YC; Jukka Salomaa, OH2BUA; Antti Kantola, OH5TB): Mar, 61

### **FCC News**

Enforcement Watchdog Retires from FCC (Riley Hollingsworth, K4ZDH): Sep, 53

FCC Assigns Contested Vanity Call Sign to Wisconsin Club: Dec, 52

FCC Commissioner Adelstein to be Re-nominated for Third Term: Feb, 68

FCC Denies Two Petitions for Rule Making: Jul, 58 FCC Issues Citation to Georgia Company for Selling, Importing Unauthorized RF Devices (Vladimir "Vova" Reznik, RangeVideo): Oct, 62

FCC Looks to Raise Vanity Call Sign Fees: Jul, 58 New Jersy Ham Hit with Warning Notice (William G. Aber Sr, N2JAI): Sep, 53

#### FCC News: Enforcement Actions

Washington State Ham Faces FCC Forfeiture Order (James J. Grinton, K7VNI); Illinois Ham Receives Another Warning Notice (Todd E. Daugherty, N9OGL); Texas Ham Warned to Stay off Repeaters (Travis L. Maltese, AD5CT); Unlicensed Florida Man Receives Warning Notice (Joseph Goldberg, MD): Apr, 60 Warning Notice to David O. Castle, ex-WA9KJI: Mar, 60

FCC Clears Florida Ham (Raymond W. Dzyzewski Jr. WA2SEI); FCC Revokes Amateur License of California ham (Robert D. Landis, N6FRV): Feb, 68

FCC Fines Colorado Company for Selling "Non-Certified Citizens Band (CB) Transceivers": Jun, 57

Maine Ham Warned to Stay Off Repeaters (Amanda F. Spenlinhauer, KB1DQX): May, 60

Missouri Ham Received Warning (Edward R. Drone, WWØNYF): Jun, 57

New York Ham Warned to Stay Off Repeater (David R. Henry, W2DRH): Jun, 57

Pennsylvania Ham Hit with Forfeiture Order (Ronald Mondgock, KA3OMZ): May, 60

Stanley S. Gillette, W4TYW; Charles K. Caprio, AD8Q; Todd E. Dougherty, N9OGL; Robert C. Moldenhauer, W9CQ; James D. Ogden, N7KPU; Brandon M. Duke, KDØBSH; Anthony M. Amato, KR4UQ: Jan, 78

#### In Brief

2008 ARRL/TAPR Digital Communications Conference Issues Call for Papers: Jul. 60

ARRL Emergency Communications Level 3 Course to be Revised; Tom Kneitel, W4XZZ, Silent Key: Nov, 67

ARRL Lab Test Engineer Leaves HQ Staff (Mike Tracy, KC1SX; Bob Allison, WB1GCM): Jul, 60

ARRL President Appointed to Arkansas State Board (Joel Harrison, W5ZN): Jun, 58

ARRL QSL Bureau Sees Rise in Number of Cards Sent; New Amateur Extra Class Question Pool Released; Stu Leland, W1JEC, Silent Key; New Jersey Exempts Amateur Radio from Handheld Wireless Law; Classic Gil Cartoon Book Now Available: New Section Manager Appointed in Wyoming (Chris Pritchard, WY7UPR): ARRL Staffers Help Raise More Than \$16,000 for public Television: Mar, 61

Contester/DXer Paolo Cortese, I2UIY, Silent Key: Dec, 54 European Reciprocal Licenses Now Limited to Advanced and Extra Class Licensees; DXCC Desk Approves Operations: Apr, 61

FCC Must Reimburse Fees Stemming from BPL Challenge, Says Appeals Court: Two New Coordinators Appointed in IARU Region 2, Dr Cesar Pio Santos A., HR2P, and Jaun Munoz, TG9AJR; Howard Shepherd, W6US, Silent Key; Robert Dickinson, W3HJ, Silent Key; US Government Recalls RadioShack Power Supplies: Sep, 55

Georgia Hams Meet with FEMA: Oct, 63

KH6 Incoming QSL Bureau Address Change; Rod Dinkins, AC6V, Silent Key; Emmett Freitas, AE6Z, Silent Key; DXCC Desk Approves Operations: May, 61

L.B. Cebik, W4RNL, Silent Key: Jun, 58

National Hurricane Center Director: Hams Give "Valuable" Reports: Jun, 58

New Assistant Editor on the Job, Steve Sant Andrea, WB2GYK; Long-Time Staffer Departs ARRL HQ, Joe Shea; New Section Managers Appointed; Irish Amateurs Now Able to Apply for Permission to Operate on 5 MHz: Jan, 79

New Section Manager Appointed in New Hampshire: Al Shuman, K1AKS: Jul, 60

New Section Managers in Place July 1; First ARRL Book Published in China: Aug, 57

Peter W. Dahl Company, Manufacturer of Custom Transformers, Going Out of Business; Foundation for Amateur Radio Invites Scholarship Applications: Feb. 68 Tim Hulick, W9QQ, Silent Key: Jun, 58

West Gulf Vice Director Appointed to State Agency (Dave Woolweaver, K5RAV): Dec, 54

## Section Manager Nomination Notice/Resolicitation (Patton)

Jan, 79; Feb, 69; Apr, 62; May, 61; Jul, 60; Aug, 57; Oct, 63; Nov, 67

#### How's DX? (McClenny)

2007 ARRL DeSoto Cup Winner (Fausto Minardi, I1EAT);

A Journey to FP and VO1 or If it's Wrong, it Must be Right!; Jan, 85

Brunei 2007 (Wylie): Feb, 88

Desecheo Island — KP5; Nov. 88

DXcitement from a New DXCC Entity (Laine): Apr. 89

OH Pacific Team — FO/OH1RX DXpedition to the Marquesas Islands (Hayrynen and Kontas): May, 89

Palestine 2007 (Horecky): Jun, 94

Six Meter DX; Jul, 91

The 100 "Most Needed" DXCC Entities; Dec, 88 UK DXpedition to Syria: YK9G — Part 1 (Cawthorne and

Western): Sep, 87; Part 2: Oct, 88

YK9SV DXpedition to Syria (Darkadakis): Mar, 85

#### DX News From Around the Globe

40 — Montenegro; 5X — Uganda; BY — China; EZ — Turkmenistan; FH — Mayotte; FK — New Calendonia; HF — Honduras; JD1/0 — Ogasawara Islands; JX -Jan Mayen; YU8 — Kosovo; OJØ — Market Reef; PJ -Netherland Antilles; TT — Chad; VU4 and VU7 – Andaman, Nicobar and Lakshadweep Islands; WAE60 Marathon and Award; YI — Iraq; ZD9 — Tristan da Cunha and Cough Islands: Aug, 87

9L — Sierra Leone; A5 — Bhutan; A3 — Tonga; FR — Glorioso Islands; JT — Mongolia; P2 — Papua New Guinea: S2 — Bangladesh: S7 — Seychelles: T8 — Palau; VU4 and VU7 Andaman, Nicobar and Lakshadweep Islands: Nov, 89

CYØ — Sable Island; FJ — Saint Barthelemy; FP — St Pierre & Miguelon; HKØ/S and V3 — San Andres and Belize; JX — Jan Mayen; KH9 — Wake Island; KL7 Alaska: OJØ — Market Reef; Pacific Northwest DX Convention; VK9X — Christmas Island; VR2 — Hong Kong; WØDXCC; AD9 — Tristan Da Cunha; ZS8 — Marion Island; Jul, 91

J5C — Guinea-Bissau January 2008; Jan, 86

## **Index of Advertisers**

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

## It Seems to Us (Sumner)

Amateur Radio, Version 2008; Jan, 9 Can We Talk?: Jun, 9 Growth: Feb, 9

Imaginary Numbers: Apr, 9

It Takes a Club: May, 9

Our Next Spectrum Challenges: Dec, 9

Planning for the ARRL's Second Century: Sep, 9

Pooling Our Resources: Oct, 9

The Fifth Pillar: Aug, 9

The Next Time Could Be Different: Nov, 9

We Win In Court!: Jul, 9

WRC-07: Jan, 9

#### Microwavelengths (Wade)

Microwave Amplifiers: Jan, 90

Microwave Isolators and Switches: Apr, 94

Sequencers for Transverter Control: Oct, 95; Feedback: Nov. 35

Summer — Microwave Season: Aug, 93; Feedback: Sep, 51

#### **New Books**

Discrete-Signal Analysis and Design (William E. Sabin, WØIYH) (Wiley Interscience www.wiley.com) (Danzer):

Radiowave Propagation and Antennas for Personal Communications (Siwiak, KE3PT, and Bahreini) (Artech House, Norwood, MA) (Hallas): Nov, 35

The World of Ham Radio, 1901-1950: A Social History (Richard A. Bartlett) (McFarland & Company) (Sant Andrea): Jan, 93

World War II Radio Heroes — Letters of Compassion (Lisa L. Spahr) (Spahr Consulting, Pittsburgh, PA) (Sant Andrea): Apr, 58

## **New Products**

2008 Shortwave Frequency Guide: Mar, 84 2008 Super Frequency List CD-ROM: Mar, 84 ARVN Presents the Dayton Hamvention 2007 on DVD: Feb. 66

ARVN Presents the USA Direction Finding Championships on DVD (2006 USA ARDF Championships): May, 82

ATV Downconverters from PC Electronics (TCV-4S, TCV-9S; TCV-125); Oct, 75

Buckmaster Great Circle Maps: Nov, 57

Cat-Mate Electronic "Y" Splitter from bhi Ltd: Dec, 50 Coaxial Dynamics 4 GHz Attenuators (6902 series): Sep.

Connect Quick Antenna Mounts (CQ-1; CQ-V): Nov, 94 Crystal Calibrator Kit from Grandad's Electronics (XTAL1):

Do-It-Yourself Circuitbuilding for Dummies (Silver)(John Wiley & Sons, NY): Nov, 94

Dubus VHF+ Magazine Subscriptions: Jul, 32; Feedback:

Elecraft Transceiver Carrying Cases from N7HKW (for Elecraft K2 and K3): Dec, 50

HAMCALC Electronics Utility Software (HAMCALC 100): Aug, 32

Internal Mic Adapter Accessory for Elecraft K2 (Rework Eliminator): Feb, 62

Kuhne Electronic PLL-Stabilized Crystal Oscillator (MKU XO 1): Nov, 35

Logging Software from Davco Electronics (Contester Logger; MyLogbook): Feb, 79

Low Frequency Amplifier and Antenna System from National RF (NLF-2): Nov, 42

Low SWR Terminators from Coaxial Dynamics (4000 series): Feb. 79

MFJ Giant SWR/Wattmeter for 144, 220 and 440 MHz (MFJ-867): Jan, 61

MFJ Speech Articulator (MFJ-653): May, 82

MFJ Telescoping Masts (MFJ-1906; MFJ-1906H; MFJ-1908; MFJ-1908H): Feb, 32

MicroKEYER II Radio Control Interface: Feb. 51 N8XJK Super Booster from TG Electronics: Feb, 66 Nifty! Mini-Manual for Kenwood TM-V71A: Jun, 80 PacTerm and PKTerm Software Update: Dec. 50 Rack Mount Hardware for Ten-Tec Omni VII (RM-488): May, 32

Radio Mate Keypad from bhi Ltd: Nov, 98

RF Sensed Antenna Switch from MFJ (MFJ-1707): Jul, 32

SCS Modem Firmware V.3.9: Dec, 50

Step Attenuator Kit from the XTAL Set Society (XSS-SA8): Nov. 32

Tennadyne Folded Terminated Dipole (TD-90): Nov, 32 The AM Radio Log: Feb, 51

The Old Timer by Jim Smith, VK9NS: Dec, 50

Two Radio Accessory Switch from MFJ (MFJ-643): Jul, 72 Universal Mobile Mount From Pro.Fit International

(UltiMount V2): Jun, 41

Waterproof Logbooks for Outdoor Use: Feb, 66 Weatherproofing Tape from Times Microwave (WK-S): Nov, 35

Westinghouse — DVD from Inecom Entertainment: Aug, 42

#### Officers, Division Directors and Staff — Page 15

#### Old Radio (Dilks)

1923 Christmas Dinner Menu (sidebar to Wireless North Pole Christmas): Dec, 94

3ZO and Mr Horace A. Beale Jr, Part 1: May, 93; Part 2: Jun, 99; Part 3: Jul, 95

A Classic 1930 Transmitter: Nov, 95

Antiquing: Oct, 92

Library Displays — Great PR (sidebar to Speed Key): Feb,

New Book for Old Radio Fans! (50 Years of Amateur Radio Innovation, Transmitters, Receivers and Transceivers 1930-1980): Dec, 95

Old Broadcasts: Mar, 92

Remember When? (V6V slat-board transmitter): Jan, 87

Speed Key: Feb, 96; Feedback: Mar, 80

The Gernsback Story: Apr, 92

Vacuum Tubes, from the Beginning?: Sep, 93 Where in the World is the Bowdoin?: Aug, 95 Wireless North Pole Christmas: Dec. 94

#### Op-Ed

We Must Lead to Advance! (Long): Aug, 100

#### **Organizational**

2007 ARRL Award Nominations are Open: Jan, 38 2008 Annual Philip J. McGan Memorial Silver Antenna Award (Dan McMonigle, N3IXQ, 2007 Winner) (Pitts): Feb, 55

2008 Annual Philip J. McGan Memorial Silver Antenna Award Call for 2008 Nominations (Pitts): Feb, 55

American Red Cross Responds to ARRL Concerns Regarding Background Checks (*sidebar* to Dayton Hamvention 2008: Wow, What a Show!) (Keane): Jul, 52

An Interview with ITU Secretary-General Dr Hamadoun I. Touré, HB9EHT (Sumner): May, 52

ARRL Board Authorizes New Section Positions, Adopts Budget, More, at 2008 Annual Meeting (Keane): Apr, 48 ARRL Board Names Award Recipients for 2007-2008:

ARRL Technical Innovation Award: Dave Bernstein, AA6YQ (Keane): Oct, 60; Feedback: Dec, 98 ARRL Technical Merit Award: Ed Hare, W1FRI (Keane): Oct, 60

Doug DeMaw, W1FB, Technical Excellence Award: John Stanley, K4ERO (Keane): Oct, 60

Herb S. Brier Instructor or the Year: Doug Loughmiller, W5BL (Keane): Oct, 59

Hiram Percy Maxim Award: Jim Fagan, KE7IDC (Keane): Oct. 60

Philip J. McGan Memorial Silver Antenna Award: Walter Palmer, W4ALT (Keane): Oct, 59

ARRL Board of Directors Plans for League's Future at Second 2008 Meeting (Keane): Oct, 57

ARRL Legislative Action Program — Working to Promote and Protect Amateur Radio (Henderson): Jul, 53

Create? Invent? Modify? Yes! We Do That with Amateur Radio! (Pitts): Jul, 56

Dayton Hamvention 2008: Wow, What a Show! (Keane): Jul. 49

Final Gavel Sounds on the ARRL Second Annual On-Line Auction (Keane): Jan. 45

Gearing Up for Teachers (Spencer): Feb, 56

Navigating Part 97 (Henderson): Jan, 46

PAVE PAWS Radar and the Amateur 70 cm Band (Henderson): Apr, 55

Recognizing Those Who Give (Donor Reception)(sidebar to Dayton Hamvention 2008: Wow, What a Show!) (Keane): Jul, 50

Say Thanks to a Reporter with a Nomination for the Leonard Award (Pitts): Nov, 62

Summary of Major Board Actions (*sidebar* to ARRL Board of Directors Plans for League's Future at Second 2008 Meeting) (Keane): Oct, 58

Summary of Major Board Actions (sidebar to ARRL Board Authorizes New Section Positions, Adopts Budget, More, at 2008 Annual Meeting) (Keane): Apr, 49

What's New at Dayton 2008? (*sidebar* to Dayton Hamvention 2008: Wow, What a Show!) (Hallas): Jul, 51

#### **Our Cover**

2007 ARRL September VHF Contest Near Mount Rainier (Johnson): Oct. 5

Antenna Issue, inset photo Andrew Toth of XX Towers installs SteppIR at ARRL (Keane): Mar, 5

Antenna Issue, OHØJPF station on Aland Island (Kotowski): Mar, 5

ARRL Homebrew Challenge—Non-PC Supported Design Winner: Aug, 5

Byron H. Goodman, W1DX (SK); Collins KWM-2; Japanese navy receiver (Bitzer and Brasch): Jan, 5 Colorado 14er Radio Event 2007 (Starkenburg): Jul, 5 First Ever ARRL Homebrew Challenge: May, 5 Getting active on 10 meters (George Brandon, K5PI at shack of Jim George, N3BB) (Wilson): Oct, 5 Introducing our new contest section (Elliott): Feb, 5 June 2008 *QST* Field Day Cover:

Field Day 2007, Dan Schoenknecht, KC2RKB, Springfield, NJ (Schoenknecht): Jun, 5; Feedback: Jul, 38

Northern San Diego County's Escondido Amateur Radio Society set up the club's campsite for ARRL Field Day in 2007 (Kotowski): Jun, 5

Ole Virginia Hams Amateur Radio Club 2007 GOTA station: Jun, 5; Feedback: Sep, 51

Magic and Marvel of Winter (Johnson): Dec, 5

Northeast Louisiana ARES (WA5WX) Public Safety Expo (top) (Gore): Sep, 5

Phil Karras, KE3FL, Maryland Emergency Phone Net and Carroll Amateur Radio Emergency Team (Karras): Sep, 5

Radiosport theme (Cone): Oct, 5

Scarborough Reef, BS7H: Apr, 5

Steve Jax, N4SJJ, Polk County Emergency Services (Mitchell): Sep, 5

Third Annual ARRL Photo Contest

Back Pack Mobile (Signorelli): Nov, 5

Composite of Mexican beach, QSL cards and keyer (Reyer): Nov, 5

Tennadyne and Cushcraft equipment (Ticknor): Nov, 5

#### **Product Review (Wilson)**

A Contest Operator's Perspective (sidebar to ICOM IC-7700 HF and 6 Meter Transceiver) (Patton): Oct, 46 A Look at Butane Powered Soldering Tools (Haines): Aug,

A Look at Butane Powered Soldering Tools (Haines): Aug, 47

A Look at the Field (sidebar to Yaesu FT-950 HF and 6 Meter Transceiver) (Hallas): Mar, 47

Array Solutions AS-AYL-4 Receiving Antenna: Mar, 51 AVMap G5 Personal Navigator (Robins): Feb, 48

Battery Boost Regulators from TG Electronics and MFJ (N8XJK Super Booster; MFJ-4416) (Salas): Nov, 46

DSP Speakers: GAP Hear It Speaker and West Mountain Radio CLRspkr (Robins): Nov, 50; Feedback: Dec, 98

First Look: Elecraft K3 HF/6 Meter Transceiver (Prior): Apr, 41; Feedback: Jul, 38

FlexRadio Systems FLEX-5000A HF/50 MHz Transceiver (Lindquist): Jul, 39

ICOM IC-92AD Dual Band Handheld Transceiver (Pearce): Sep, 39

ICOM IC-R9500 Communications Receiver (Newkirk): Jan, 69; *Feedback: Mar, 80* 

ICOM-IC7700 HF and 6 Meter Transceiver (Lindquist): Oct, 41

Kenwood TH-D7A(G) Dual Band Handheld (Robins): Apr, 45

Kenwood TM-D710A Dual Band Mobile Transceiver (Robins): Feb, 45

LDG Electronics RCA-14 Transceiver Accessory Port Breakout Box (Wilson): Jun, 54

M-Cubed Electronix Digital LCRZ Meter Kit (Salas): Jun, 51

Microtelecom Perseus Software Defined Receiver (Ford):

Motorcycle Mobile with the FTM-10R (sidebar to Yaesu FTM-10R Dual Band Mobile Transceiver) (Wilson): May,

SteppIR 40-30 Meter Upgrade Kit: May, 47

Summer Reading List (sidebar to FlexRadio Systems FLEX-5000A HF/50 MHz Transceiver) (Lindquist): Jul. 42

Switching Computers Midstream (sidebar to FlexRadio Systems FLEX-5000A HF/50 MHz Transceiver) (Lindquist): Jul, 42

Tokyo Hy-Power HL-1.2KFX Linear Amplifier: Jun, 49 Two More Antenna System Measurement Devices (mini Radio Solutions miniVNA; RigExpert AA-200) (Hallas): Aug. 43

Yaesu FT-950 HF and 6 Meter Transceiver (Fusaro): Mar,

Yaesu FTM-10R Dual Band Mobile Transceiver (Robins): May, 44

Yaesu VX-3R Miniature Dual-Band Handheld Transceiver (Henderson): Feb, 49

## **Public Service (Ewald)**

2007 Simulated Emergency Test Results

Scenario Tests Townes County's (Georgia) Emergency Response (Higgins): Jul, 62

St Charles County (Missouri) SET (Grimsbo): Jul. 63 2008 SET on the Schedule (sidebar to 2007 Simulated Emergency Test Results) (Ewald): Jul, 63

A New Look for "Public Service" (Dura): Sep, 57

Alaskan Mushers Get Help from Hams (Carrington): Jun,

ALCO 85 Story (Franklin): Apr. 63

Amateur Radio Supports Urban Search and Rescue (Carr): Sep. 56

ARES E-Letter: Sep, 58

Baker to Vegas (Humpherys): Dec, 55

Bexar County ARES Called Into Action! (Tangrady): Feb, 93

Building Trust in Georgia (Bianco): Nov, 68

Celebrating 50 Years on the Air (Baughman): Aug. 61

Disaster Drill in Genesee County (Baker): Feb, 94

Doug Donner, KC8ZCF, 2007 Michigan Emergency Management Association Volunteer of the Year (Lapeer County Emergency Management): Feb, 95

Emergency Traffic from Oregon to Florida, via Alaska (Strother): Feb. 95

ICS for Hams (Colston): Jan, 80

Mapping the Incident — The Baldwin County ARES Location Finder (Reid): Oct, 64

NTS Methods and Practices Guidelines: Nov, 69

Perfect Your Operating Skills, Serve...and Enjoy Doing It! (Ewald): Feb. 94

Schools Receive NOAA Public Alert Radios: Nov. 69

September is National Preparedness Month: Sep. 58

Simply Simplex (Fuller Jr): Mar, 90

SKYWARN Recognition Day Celebrates 10 Years! (Flovd): Dec. 55

Subscribe to the ARES E-Letter — It's Free!: Nov, 69 The Highly Versatile Orange Box (Lusardi): May, 62 The Jalapeno 100 Bike Ride (Cook and Ross): Aug, 59 VIP Red Flag Patrol — Part 2 (Rios): Nov. 68 What is the VIP Red Flag Patrol? (Rios): Aug, 60 Winlink to Go (Ellis): Jun, 59

#### Field Organization Reports (Ewald)

October 2007: Jan. 81; November 2007: Feb. 95; December 2007: Mar, 91; January 2008: Apr, 65; February 2008: May, 63; March 2008: Jun, 61; April 2008: Jul, 65; May 2008: Aug, 61; June 2008: Sep, 101; July 2008: Oct, 97; August 2008: Nov, 99; September 2008: Dec. 98

#### **Radiosport**

20 Years of Digital Radiosporting — 2008 ARRL RTTY Roundup Results (Townsend): Jul. 79

2007 ARRL 10 GHz and Up Contest Results (Platt): Mar, 79; Feedback: Apr. 58

2007 ARRL International EME Competition Results (Alexander): Apr, 84; Feedback: Aug, 88

2007 ARRL September VHF QSO Party Results (Kutzko): Mar, 75; Feedback: Jul, 38; Aug, 88

2007 ARRL UHF Contest Results (Kalenowsky): Jan, 100 2007 CW Sweepstakes — Upsets Beset the Rest of the Test (Taylor): May. 83

2007 IARU HF World Championship Results

(Luetzelschwab): Mar, 81; Feedback: May, 51; Aug, 88

2008 ARRL 10 GHz and Up Contest: Aug. 79

2008 ARRL August UHF Contest Announcement: Jul, 87

2008 ARRL DX CW Results (Robbins): Aug. 75

2008 ARRL DX Phone — One QSO at a Time: Sep. 77

2008 ARRL EME Contest: Aug, 79

2008 ARRL January VHF Sweepstakes Results (Carman):

Jul, 84; Feedback: Aug, 88

2008 ARRL June VHF Contest: May, 82

2008 September VHF QSO Party: Aug. 80

2008 Simulated Emergency Test (Ewald): Sep, 82

2009 ARRL International DX Contest: Dec, 85

2009 ARRL RTTY Roundup: Dec, 87

2009 January VHF Sweepstakes: Dec, 86

Another SCR Coming Next Month (sidebar to Back to School for the School Club Roundup) (Malchick): Jan, 102

April 2008 Qualifying Runs: Apr, 85

ARRL 10 Meter Contest: Nov, 87

ARRL 160 Meter Contest: Nov, 87

ARRL DX SSB Feedback (Kutzko): May, 79

ARRL Field Day's on Its Way!: May, 81 ARRL Straight Key Night 2009: Dec, 86

Back to School for the School Club Roundup (Malchick): Jan, 102

Contest + Radio Trip = Radio Adventure: Feb, 86

Contest Resources Directory: Oct, 32.7

End of a Solar Cycle? 2007 ARRL 10 Meter Contest Results (Harker): Jul, 81

Gear Up for ARRL November Sweepstakes: Oct, 83 How to Operate Sweepstakes (and Other Contests): Oct,

Interpreting Your Log Checking Report: Oct, 32.5 JOTA: Jamboree On The Air 2008 (Johnson): Sep. 83 June 2008 Qualifying Runs (Kutzko): Jun. 84

"Just the Facts" ARRL Field Day 2008 (Henderson): Dec, 69

Kids Day 2008: Fun for All Ages! (Patton): Jun, 62

Kids Day 2009: Dec, 85

May 2008 Qualifying Runs: May, 82

Naughty and Nice — 2007 ARRL 160 Meter Contest Results (Breed): Jun, 85; Feedback: Aug, 88 New Breathing Room: 2007 ARRL November Phone Sweepstakes Results (London): Jun, 87; Feedback: Aug. 88

New in NCJ! Contesting 101 by Kirk Pickering, K4RO

(Kutzko): May, 79

Radiosport Pullout Cover: Oct, 32.1

School Club Roundup 2008 (Malchick): Oct, 84 September 2008 Qualifying Runs: Sep, 100

So When's the Next One? A Year-Long Contest Calendar: Oct. 32.7

Straight Key Night 2008 — Not Your Average Operating Event (Henderson): Apr, 83

Submitting an Electronic Contest Log (Kutzko): Oct, 32.2

The 2008 IARU HF Championship: Apr, 85

The ARRL Contest Branch — What We Can Do For You

(Kutzko): Feb, 85

The New Fred Fish Memorial Award for 6 Meters: Apr, 85 Wet and Wild — 2008 June VHF QSO Party Results

(Rosen): Dec, 81; Feedback: Jan, 68 Year Of the State QSO Party: Oct, 32.6

# This Month in Contesting (Kutzko)

A Trip to the Mailbox: Sep, 75

An ARRL DX SSB Contest Primer: Mar, 73 August 2008 Qualifying Runs: Aug, 74

Contesting and EmComm — More in Common Than You

Think: Nov, 85

December 2008 Qualifying Runs: Dec, 67

Gentlemen, Start Your Engines...Er, Rigs!: Oct, 81

Holiday Potpourri: Dec, 67

In the July/August NCJ "Contesting 101": Jul, 77; Aug 73 In the November/December NCJ "Contesting 101": Nov, 85: Dec. 67

In the September/October NCJ "Contesing 101": Oct, 81

July 2008 Qualifying Runs: Jul, 78 March 2008 Qualifying Runs: Mar, 74 My First Exposure to Contesting: Feb, 83 November 2008 Qualifying Runs: Nov, 85 October 2008 Qualifying Runs: Oct, 81

Off the Beaten Path: Aug, 73

Off-Season Station Improvements: Jul, 77 Photo: Contesting is Fun (Davis): Mar, 74 The Shallow End of the Pool: Apr, 81

Two Fun Events — Check 'Em Out (Field Day; June VHF

QSO Party) (Kutzko): Jun, 83

## Operating Tip of the Month (Kutzko)

A Mult Is Worth What?: Apr, 81 Change is Good: Feb, 83

(QRL): Mar, 73

Good Things Come To Those Who Wait: Dec, 67

LCRs Are Your Friend: Aug, 73 Narrow Your Focus: Jul, 77 Productive S&P Jun, 83 QRS, OM!: Oct, 81

Send In Your Log: May, 79 Take a vacation, fall out for a while: Sep. 75

Use Your Cans.: Nov, 85

#### Sean's Picks (Kutzko)

Feb, 83; Mar, 74; Apr, 81; May, 80; Jun, 84; Jul, 78; Aug, 74; Sep, 75; Oct, 83; Nov 86; Dec, 68

## Contest Corral, Contest Corral (Silver)

Jan, 98; Feb, 84; Mar, 74; Apr, 82; May 80; Jun, 84; Jul, 78; Aug, 74; Sep, 76; Oct, 82; Nov, 86; Dec, 68

#### Silent Keys (Hurtado)

Jan, 93; Feb, 98; Mar, 96; Apr, 99; May, 99; Jun, 101; Feedback: Aug, 88; Jul, 101; Aug, 101; Sep, 101; Feedback: Oct, 72; Oct, 97; Nov, 99; Dec, 98

## Special Events (Weinberg)

Jan, 97; Feb, 102; Mar, 100; Apr, 91; May, 91; Jun, 96; Jul, 93; Aug, 80; Sep, 89; Oct, 90; Nov, 93; Dec, 87

#### **Strays**

2008 Asia Pacific DX Convention (APDXC Press Release): Oct, 77

75 years and counting (Norfolk County Amateur Radio Association, W1AGR, ARRL affiliation) (Keane): Nov, 94

A QRP Record? (WAS/QRP?) (Moody): Aug, 99 Amateur Radio Looking Up in the Upper Peninsula (Elder): Dec, 100

Annual Armed Forces Day Crossband Military/Amateur Radio Communications Test Coming May 10 (Sexton): May. 99

ARMAD's McClendon Breakfasts at the White House (Emery McClendon, KB9IBW): Mar, 70

Call for Papers for the 2008 Central States VHF Society Conference (Powers): Jan, 54

Call for Papers for the 2008 Southeastern VHF Society Conference: Jan, 50

Certificate Celebrates 850th Anniversary of Munich: Apr,

Coast Guard CW Ops Reunion (Scharf): Aug, 101 Congratulations Nate Brightman, K6OSC (Heyn): Jun, 72 DXCC Lists Deadline Approaching (Moore): Nov, 39 Gear Up for the 2008 ARRL On-Line Auction: Nov, 51

Got Photos? (Kleinman): Oct, 102

Ham to Hike Pacific Crest Trail (Bruce Prior, N7RR) (Johnson): Jul, 67

In the January/February 2008 issue of QEX: Feb, 62 In the July/August 2008 issue of QEX: Aug, 67

In the March/April 2008 issue of QEX: Apr, 91

In the May/June 2008 Issue of QEX: Jun, 44

In the September/October 2008 Issue of QEX: Oct, 56

Italian Navy Day Event (Furna): May, 88

Jeopardy! (Dorfman): Mar, 64

Knight Award Presented to KP4PQ at PRARL Anniversary Celebration (Jiminez): May, 54

Knight Kit T500 Discussion Group (Carpenter): Sep, 60

Letters, Letters, We Get Letters: Oct, 56

Life Members Elected March 15, 2008: May, 92

Life Members Elected October 18, 2008: Dec, 97 Microwave Update 2008 — Call for Papers: May, 92

NAQCC Seeks CW Enthusiasts (Neuman): Oct, 102

Novel Shows Ham Radio Capabilities (Mulholland): Aug,

Oregon Sled Race Comm Support Needed (Raymer Jr):

Nov, 94

- Record Balloon Flight Includes Amateur Radio Gear: Aug, 99
- Rick Campbell, KK7B, Named 2006 Bill Orr Award Winner: Feb. 66
- Rochester (NY) DX Association commemorative "period" special event (Gauvin): Jun, 70
- Roland Anders, K3RA, Lifetime Achievement Award for Excellence in Engineering an Technology from Northrop Grumman (Schmenner): Aug, 81
- San Diego Library Branches Display Amateur Radio (Rios): Dec, 100
- Season's Greeting and Peace on Earth: Dec, 37 Share a Novice Story (Cheng): Feb, 98
- Special Events Ideas, Suggestions Needed: Nov, 94
- The Science of Radio Belongs in America's Classrooms; Join the ARRL Teachers Institute Team and Make it Happen: Jan, 102
- US House Resolution Honors First Responders, Hams (HR 851): May, 37

#### I would like to get in touch with...

- Amateur Radio operators/astronomers to discuss and experiment with medium and high frequencies (Culbertson): Feb, 98
- anyone with an ET3USA QSL card (McWherter): Sep, 60 anyone with QSLs from Harold (W9LIV and W9CD) and Mildred (W9OIU) McMaster (silent keys) (McDonough): Oct, 56
- Armenian hams in the Diaspora worldwide (Karadian): Jun, 70
- expired call sign for Philip Kendall Bodge (Wright Jr): Dec, 89
- information relating to XA stations in Southern Europe 1948-1950 (Harranth): Jun, 101
- Joint Australian-US Navy Radio station VHZ Port Moresby during WWII and Coast-Watch Station VIG0 (Healy): Aug, 100
- layout of parts for Instructograph code practice machine (Ellers): May, 92
- Marine Corps MARS operators from Vietnam era and before (Borgman): Jun, 70
- Marine Corps MARS operators from Vietnam era and before (Justis): Jun, 70
- Mr Bill Thompson (W6RRI), previous owner of Bill Thompson Radio, Culver City, CA, 1960s (Owens): May, 92
- QSL cards or copies, Univeristy of PA ARC contacts prior to 2004, call W3ABT or N3KZ (Carman): Aug, 100
- Robert (?) Jones, served in US Army Signal Corps, Berlin, 1951-53 (Hitch): Jan, 75
- someone who can wind single and multilayer coils for a Theremin project (Sellen): Oct, 56

# QSL congratulates

- Frederick H. (Fritz) Raab, W1FR, DeForest Audion Gold Medal: Aug, 101
- George Kirkpatrick, AB2UO, ICCC Aerospace and Electronics Systems Pioneer Award: Aug, 101
- Don Keith, N4KC, 17th book, The Ice Diaries, has been published: Jun, 101
- Annalisa Gugler, KE7VJO, Tech license, age 6 (Fagan): Oct, 102

- Array Solutions/Kintronic labs, cited for two best new product awards at National Association of Broadcasters Convention (Power Aim 120 Vector Impedance Analyzer): Oct, 102
- Bob Heil, K9EID, Parnelli Innovator of the Year Award: Feb, 98
- Chayne Sparagowski, KI4WBN, Eagle Scout (Zethmayr): Dec, 89
- Councilwoman Constance Barsky, WD8ODC, re-elected to 2nd term Granville, OH, Village Council (Katz): Feb, 98
- Dave Zeph, W9ZRX, 2008 Technical Excellence Award winner for Indiana Radio Council: Oct, 102
- Dennis Silage, K3DS, National Outstandings Teaching Award: Jul, 101
- Geoff Mendenhall, W8GNM, 2008 Fellowship Award by Harris Corp (Weaver): May, 98
- Gregory Andracke, W2BE, cinematographer on Alex Gibney's documentary "Taxi to the Dark Side" which won a 2008 Oscar: Jul, 101
- Jim Sparks, WB4BMR, received ARRL Certificate of Merit: Feb. 98
- Joe Schroeder, W9JUV, FAA's Wright Brothers Master Pilot Award: Jul, 101
- Kenny Bales, AC7ES, Jerry Fuge, KC6ILH, and Ron Daviau, KC7YMH, Recognized by Southern Nye County ARES (Bird): Sep, 60
- Major James R. Stephens, W7JMA, publication of first novel "Camera Soldiers: The Philippine Odyssey" (Stephens): Jul, 101
- Major Roman Kamienski, KG6QMZ/AAR9ZA received Army Commendation Meal with Oak Leaf Cluster for distinguished achievement: Apr, 99
- Meredith Peruzzi, W4BVV, won 3rd consecutive championship National Association of the Deaf College Bowl (Weinstock): Nov, 96
- Michael Dalton, W2NPN, book author "Another Kind of Mind: A Talking Bird Masters English": Apr, 99
- Norman H. Pond, K6NHP, book, The Tube Guys, has been published: Nov, 96
- Richard Ballou, AC2I, citation for excellent net operations (Paskevicz): Jul, 101
- Robert Weller, N6NE, appointed Chief, Technical Analysis Branch FCC Office of Engineering and Technology: Oct, 102
- Rudy Severns, N6LF, Lifetime Achievement Award from Power Electronics magazine (Raab): Dec. 89
- Sgt Richard Hartnett, KA3KYW, developed technology for Carrollton MD Police to issue electronic traffic citations (Green): May, 68
- Solomon Volen, N3UBY, winner of the "75 Greatest Living Philadelphians" contest (Gerner): Feb, 98
- Tony McClenny, N3ME, Mayor of Bethany Beach, DE (Wright Jr): Dec, 89

#### **Technical Features**

- A 40 Meter CW/SSB Transceiver for the Homebrew Challenge (Weber): Aug, 33
- A Different Way to "Pound Brass" (Feierman): Dec, 30
- A Look at the Rohde and Schwarz XK2100 HF Transceiver (Tracy): Oct, 33

- A Low Noise Loop That Works Plus a Bonus 2 Meter Beam (Darwicki): Dec, 38
- A Modular Receiver for Exploring the LF/VLF Bands (Coyle) Part 1: Nov. 36; Part 2: Dec. 33
- A New Spin on the Big Wheel (Cebik and Cerreto): Mar,
- A No Compromise Off-Center Fed Dipole for Four Bands (Littlefield): Jun, 32
- A Pneumatically Switched Multiband Antenna (Bishop and Kath): Aug. 30
- A Rugged VHF Beam Antenna That Resists Ice Buildup (Abraczinskas): Jan, 42
- A Short Boom, Wideband, Three Element Yagi for 10 Meters (Cebik): Oct, 30
- A Station for the ARRL Sponsored 500 kHz Experiment (Hamel): Mar, 43
- A Very Special Mini Radio Installation (Davis): May, 38 An Accurate S-Meter for Direct Conversion Receivers (Johnson): Feb. 33
- An All-Weather Coax Bulkhead (Kocsis): Nov. 40 An Audio Interface Unit for Field Day and Contesting (Raydo): Jun, 39
- Anatomy of a Homebrew Project (Schlenk): Nov. 30 Building the Tinker Box (Fuller and Hutchins): Jan, 35; Feedback: Mar. 80
- Buying or Building Your Own NUE-PSK (sidebar to Portable PSK Has Finally Arrived): Mar, 38
- Computer Simulation of 160 Meter Inverted L Antennas (Christman): May, 30
- Converting a Heathkit SB-220 Amplifier to 6 Meters (Chirkov, Gilbert and McManus): Apr. 38; Feedback: Oct. 72
- Double Cross A NOAA Satellite Downlink Antenna (Martes): Feb, 30
- Down Periscope The Remote Mobile Antenna Lowering System (Booher): Aug, 41; Feedback: Sep, 51
- D-RATS an Application Suite for D-STAR (Smith): Sep,
- Dual Band Handy Yagi (Hart): May, 42
- Experimenter's RF Spectrum Analyzer (Steber): Oct, 36; Feedback: Nov. 35
- Greening Up Your Station (Gradijan): Nov. 33
- Hardware and Software for Computer Based Spectrum Analysis (sidebar to The Beauty of Spectrum Analysis Part 1 (Stanley): Jun, 36
- Homebrew Challenge Results are In! (sidebar to The TAK-40 SSB CW Transceiver) (Hallas): May, 36; Feedback: Jun. 80
- I Just Got My License and a Used HF Transceiver Now What? (Straw): Mar, 39; Feedback: Apr, 58
- Keying Schemes Old and New (sidebar to: The Universal Keying Module) (Bryce): Nov, 45
- L.B. Cebik, Silent Key (sidebar to A Short Boom, Wideband, Three Element Yagi for 10 Meters) (Hallas):
- Lightning: Understand It or Suffer the Consequences (Scheff), Part 1: Feb, 40; Feedback: Jun, 80; Part 2: Apr, 30
- Maximizing the Mobile Motorist Mission (Bruninga): Sep,
- Modern Portable Power Generators Small, Sleek and Super Stable! (Kleinschmidt): Jun, 45

- Modifying the Collins KWM-2 for Serious CW Operation (Bitzer): Jan. 30
- Obtaining Good Ground (Sutton Jr): Aug, 37
- Outpost: Packet Radio for Emergency Messaging (Oberhofer): Apr, 35
- Portable PSK Has Finally Arrived (Cram and Heron): Mar,
- Portable Two Element 15 Meter Yagi (Morgan): Jul, 36: Feedback: Sep. 51
- Project 25 for Amateur Radio (Kionka): Sep. 36
- Recycling Old Cabinets and Chassis Boxes (Yoshida): Jul,
- The Arch (Cerwin): Jan, 39
- The Arch on other Bands (sidebar to The Arch) (Cerwin):
- The Beauty of Spectrum Analysis (Stanley) Part 1: Jun, 35; Part 2: Jul, 33
- The TAK-40 SSB CW Transceiver (Veatch): May, 33; Feedback: Jun. 80
- The Tee Pee V 20 and 40 Meter Antenna (Giuliano): Jun,
- The Universal Keying Module (Bryce): Nov, 43; Feedback: Dec. 98
- The W6TC DX Loop (Badger): Feb, 37
- TM Handy Wireless (Brasch): Jan, 48
- Welding Aluminum Elements (sidebar to A Rugged VHF Beam Antenna That Resists Ice Buildup) (Abraczinskas): Jan, 44
- What's Down There? (sidebar to A Modular Receiver for Exploring the LF/VLF Bands, Part 1 of 2) (Coyle): Nov, 38

# **Technical Correspondence**

- A Side-Mount Precision Rotator Display Circuit, Feb 2006 QST) (Hoyt): Sep, 44; Sep 2008 QST Technical Correspondence) (Hoyt and Kells): Nov, 52
- An Audio Interface Unit for Field Day and Contesting (June 2008 QST) (Hansen and Raydo): Nov. 52
- Calibration of a Homebrew Noise Source (QST May 1994) (Sabin): Jan, 74
- Coupling Problems to Short Antennas (McAlister): May, 50 How to Calculate dB without a Calculator or Slide Rule (Dahlstedt): Jan, 75
- Lightning and the Electrical Distribution System (Scheff and Spann): Jul, 46
- Making the Glass Half Full (Nichols): Nov, 52
- Marconi's First Transatlantic Experiment (Belrose): Mar,
- National Electrical Code Considerations (O'Rouark): May,
- Operationally Ready An ARES Perspective (Gue): Mar,
- Power Packing for Emergencies (Raydo and Taylor): Mar,
- Remote Antenna Switches and Lightning Protection (Madden): Jan, 75
- The Doctor and Connecting Frequency Counters and Oscilloscopes to Circuits (Wheeler): May, 51
- The Doctor and EMP (Bodson and Burba): Jan, 75 Those Type N Coax Connectors (Medeiros and Taylor):
- Sep, 45

VHF Propagation and Doppler Effect (Edmonds, Jr): Sep.

#### The World Above 50 MHz (Zimmerman)

144 MHz Standings; Jul, 90 222 MHz Standings; Aug, 91 432 MHz Standings; Nov, 92

48 State WAS by Terrestrial Modes; Jul, 88

50 MHz Standings by DXCC Entities Worked; Dec, 92 Ethical Principles on the Bands Above 50 MHz; Aug, 89

Rock Bottom; Feb, 90 Stacking; Jan, 82

Station Automation Part 1; Mar, 87; Part 2; Apr, 86 The Contester as Cyborg and the Rise of the Machines;

The Quest for 70 cm DXCC; Sep. 84 The Summer of 2008; Oct, 85

This and That (The Column Structure — What It Is and What It Isn't; Summer Omissions; DXpeditions of Summer); Nov. 90

Transatlantic Communications Revisited (Zimmerman): May, 86

Update: Cycle 23 Solar Minimum (Zimmerman): Mar, 88

# Here and There:

2007 ARRL International EME Contest; Leonids Meteor Shower: Nov. 92

2008 2 GHz and Up World Wide Club Contest; Summer Contest; Fifth 6 Meter Marathon; VHF Weak Signal Group Banquet at Dayton Hamvention; Call for Papers: Microwave Update 2008; WB2QLP, Silent Key: N8PUM beacons: Ham Radio Social: May, 88

2008 CQ World Wide VHF Contest: Central States VHF Society 2008 Conference; DXpedition to FJ St Barts; Gridpedition to RM13; Second sunspot of Cycle 24; Jul. 90

34th Annual Eastern VHF/UHF Conference; Twelfth Annual SVHFS Conference; Beacon News; Spring Sprints; Results of the 2007 Spring Sprints; Results of the North American High Speed Meteor Scatter Contest; Apr. 88

ARRL September VHF QSO Party; WaterGrid DXpedition; 2008 ARRL International EME Competition; ARRL 10 GHz and Up Contest; Fall Sprints; Pacific Northwest VHF Society Conference; Norm Pedersen, KB6KQ and Ken Erickson, W7JF, Silent Keys; Sep, 86

August UHF Contest; ARRL 10 GHz and Up Contest; Northern Nevada Microwave Society; Rainer Bertelsmeier, DJ9BV, Silent Key; Aug, 91

Automated 2 Meter Es Reporting; Microwave Update 2008; 2008 ARRL International EME Competition; Fall Spritns; Allen Ferrera, K6MXI Silent Key; Dale Richardson, AA5XE, Silent Key; Marshall Goldblatt, W4EMB, Silent Key; Oct, 87

Beacon News: Mar. 89

First CSVHFS Reverse VUCC (VUCC/r); Feb, 92 Geminids Meteor Shower; North American High Speed Meteor Scatter 2008 Geminids Test; Jan Fromm, AL7FH, Silent Key; Dec, 92

June ARRL VHF QSO Party; 2008 SMIRK QSO Party; 2007 Fall Sprint Results; San Andres DXpedition;

W6JKV to Alaska; CYØ DXpedition; DXpedition to HBØ; Kjell Rasmusson, SM7BAE, Silent Key; Jun, 93 New 10 GHz Continental Tropo Record; 10 GHz Distance Records: ARRL January VHF Sweepstakes: Quadrantids Meteor Shower: Beacon News Galore: EA3DXU; 6 Meter DXCC for W7KNT; Jan, 84 Maunder and Other Minima; Dec. 90 Microwave Standings; Jan, 84 New Rover Rules: Mar. 89

#### On the Bands

222 MHz Es; 6 meters; 2 meter Es; Tropospheric Ducting: VHF Contest; Aurora; Sep. 86 6 meters; ARRL January VHF Contest; Tropospheric ducting; Meteor scatter; EME; Apr, 88 6 meters; Meteor Scatter; Mar, 89 6 meters; Meteor Scatter; Non-JT Digital Modes; Feb, 92

6 Meters; Spring Sprints; Tropospheric ducting; EME; Jul. 90

6 Meters: Tropospheric Ducting: Contests: Dec. 92 6 meters; Tropospheric ducting; EME; May, 87 6 meters; Troppospheric ducting; EME; Jun, 93 First 432 MHz DXCC; 2 Meter E/s\; Tropospheric ducting; 6 meters; Microwaves; Aug, 90

First 70 mHz/50 MHz Crossband Contact Between Europe and US; Microwaves; 6 Meters; 2 Meter Es; CQWW VHF Contest; Tropospheric Ducting; Oct, 86 Tropospheric Ducting; 2 Meter E-Skip (US); 2 Meter E-Skip (Europe): 6 Meters: Nov. 91

Tropospheric ducting: Ionospheric Reflection: EME: Jan, 83

This Month: Jan, 82; Feb, 90; Mar, 87; Apr, 86; May, 86; Jun, 91; Jul, 88; Aug, 89; Sep, 84; Oct, 85; Nov. 90; Dec, 90

#### This Just In (Kleinman)

2008 Alaska Convention, present donation from Anchorage ARC to Joel Harrison, W5ZN (Bush): Nov,

400 Cub Scouts See Ham Radio Up Close in Arizona (Fagan): Mar, 13

A VEC First (Hammock): Mar, 12

ARRL President Joel Harrison, W5ZN, and RAC President David Goodwin, VO1AU/VE3AAQ (Keane): Sep. 13

At the Santa Clara Section Convention/Radiofest 2008: AF6AQ, N6AJO, N2RHV (Kramer): May, 13

At the Table: ARRL Washington State Convention (Kleinman): Dec, 13

Effingham County (IL) Emergency Management Agency 4th of July Parade (Thomas): Sep, 13

Five-Ham Family Down Under (Davidson): Dec, 13

Ham Contact Aboard New Sub (Battleship North Carolina) (Hickman): Jul. 13

Hams Amid the "Glitterati" (Wruble): Dec, 13

Hams Provide Public Service at Publix (Capehart and Royce): Oct, 13

Japan-Guam Connection (Ebisawa): Nov, 13 Kansas Passes PRB-1 Law (Spradling): Jul, 13 Mid-December Ice (Vinson): Feb, 13

- Milwaukee Radio Amateurs' Club receives Recognition Award (Inderbitzen): Jun, 12
- N3AO and N3KN, SKYWARN Recognition Day (Wert): Feb. 12
- Northwest High School (Justin, TX) engineering class students earn Technical licenses (Day): Apr, 13
- Oregon Hams of all Ages Respond to Devastating Windstorm (Denison): Apr, 13
- Pacific Division leadership at PACIFICON (Raines): Jan, 13
- San Mateo Board of Supervisors presents award to Ross Peterson, WB6ZBU (Saffo): Aug, 12
- SARCity Here They Come! (Barstow College, Barstow, CA) (Cheng): May, 13
- Scottish Clan Hams Gather in Maryland (Montgomery): Jan. 13
- Senator Mark Pryor, Introduced BPL Bill (Harrison): Jan, 13; Feedback: Mar, 80
- Severe Weather Training Where It's Needed (Linn County ARES and Cedar Valley ARC) (Maley): May, 12
- Three Notable Hams Honored at Radio Cub of America Awards Dinner (Walter Cronkite, KB2GSD; Dennis Bodson, W4PWF, John S. Belrose, VE2CV) (Kleinman): Feb, 13
- Tom Shaver, KC8NJK, received Lansing MI Hometown Hero Award (Bates): Oct, 13
- US Power Squadrons Special Event at W1AW (Schober): Aug. 13
- Vintage Radio and Communications Museum of Connecticut (Michaels): Mar, 13
- W1HQ Gets New Tower (Kleinman): Oct, 13
- Walt Maxwell, W2DU, Honored for Long-Term Ham License (Maxwell): Apr, 13
- West Point Cadet Amateur Radio Cub License Exam Session (Dean): Jun, 13
- YLRL Leader Nancy Rabel Hall, KC4IYD, is 15th Severson Winner in Ohio: Nov, 13

#### In Brief

- New ARRL Directors and Vice Directors; WRC-07; ARRL On-Line Auction; Kia Siwiak, KE4PT, October *QST* Cover Plaque winner; Steve Sant Andrea, WB2GYK, joins ARRL HQ staff; November operating events; 9UØA, D2DX approved for DXCC; Motorola USA announced intention to acquire in Yaesu parent company; new Section Managers; 74 ISS contacts with schools in 2007; Ambient Corp Part 15 violation/BPL; ARRL/FCC on BPL harmful interference; ARRL online courses; radio activity in Iraq: Jan, 12
- ARES groups activated; Radio Club of America honors Walter Cronkite, KB2GSD, Dennis Bodson, W4PWF and John S. Belrose, VE2CV; 5 new Section Managers; Rich Mitchell, N3III, November *QST* Cover Plaque winner; 9th edition of The ARRL Operating Manual for Radio Amateurs available; 9th Annual SKYWARN Recognition Day; West Central FL Convention/Tampa Bay Hamfest; President Bush intends to nominate FCC Commissioner Jonathan S. Adelstein for 3rd term; ARRL Contests; Eddy Pollock, W6LC, Silent Key; Peter W. Dahl Company closing; Foundation for Amateur Radio accepting applications; Online courses: Feb, 12

- ARRL Board of Directors met Jan 18-19, 2008; Yasme Excellence Awards; December 2007 QST Cover Plaque Award Geoff Haines, N1GY; ARRL International DX Contest; ARRL Winter Catalog available; approved for DXCC credit: S79UU, S79AB Seychelles Islands; 5L2MS Liberia, D2NX Angola; Motorola Inc's subsidiary, MI Inc, tendered offer to acquire controlling interest in Vertex Standard (Yaesu parent); ARRL on line courses; 2007 ARRL Periodicals CD-ROM available; Wisconsin tornado activates Kenosha and Racine Counties ARES groups; SW OH Digital and Technical Symposium and NYC/Long Island Section Convention in January; ARRL Outgoing QSL Bureau sees bigger numbers; Mar, 12
- K1ZZ publicly questions BPL figures from NTIA; Rob Brownstein, K6RB, January 2008 *QST* Cover Plaque winner; STS-122; ARRL VEC/VE Manual, 9th ed, online; New titles VHF Digital Handbook and Hands-on Radio Experiments; DXCC approved VK9WWI, YI9PT, K5C, E4/OM2DX; 2008 Field Day package available; SKYWARN, ARES volunteer in TN, MS, AR, KY, AL tornadoes; Extra Class license required for CEPT in European countries; Fred Fish Memorial Award; Jim DeLoach Jr, WUØI, 2007 Bill Orr Technical Writing Award; North Florida section convention in Orlando; 2007 Bill Leonard Professional Media Award to Alyssa Invanson; Online courses; ARRL International DX Contest, Phone: Apr, 12
- ARRL Executive Committee met in Memphis TN Mar 15; Merle Glunt, W3OJN, Silent Key; Larry Scheff, W4QEJ, February QST Cover Plaque winner; Hawaii KH6 Incoming Bureau new manager Barbara Darling, NH7FY; ARRL Instructor's Manual 4th Edition available; FCC denies two petitions for Morse code; hams assist after tornado in Atlanta area; Conventions: North Carolina, South Texas, Midland, Oklahoma, Southern Florida, Louisiana State; ARRL online courses; ARRL International DX Contest (Phone) Colvin Awards to three 2008 DXpeditions: VP6DX Ducie Island, TX5C Clipperton Island and 9XØR Rwanda; approved for DXCC: 2007 ZL1GO/8 DXpedition to Kermadec Island and 2007 3C7Y DXpedition to Equatorial Guinea: May, 12
- ARRL Expo at Dayton Hamvention; Ward Silver, NØAX Hamvention Amateur of the Year: two new instructors join ARRL Teachers Institute; LB Cebik, W4RNL, Silent Key; Merle Glunt, W3OKN, Silent Key; ARRL President Joel Harrison, W5ZN, appointed to Board of Directors of Arkansas Science & Technology Authority; Field Day Exhibit Kits available; Kansas adopts PRB-1; Communications Academy held in Seattle in April; Dennis Dura, K2DCD, at 30th Annual National Hurricane Conference in Orlando; 27th ARRL/TAPR Digital Communications Conference: Dick Jansson, KD1D, March QST Cover Plague Award winner; approved for DXCC: 5X1NH, SØ5A, 9UXEV, YK9G, HZ1PS; World Amateur Radio Day April 18; 2008-2009 Repeater Directory and VE Manual available; ARRL online courses beginning May 16: Jun, 12
- Dayton Hamvention; ARRL vs FCC BPL; Sichuan Province, China earthquake; Special Event stations for 2008 Beijing Olympic Games; Ronald A. Parise, WA4SIR, Silent Key; FCC denies Petitions;

Military/Amateur Radio Crossband Communications Test May 10; Dallas-area BPL provider selling; Jim Oberhofer, KN6PR, April QST Cover Plaque winner; YA/LY1Y approved for DXCC; 10 satellites reach orbit; May conventions; Online courses: Jul, 12

ARRL Field Day; Martin fire near Santa Cruz; Firedrake intruder signals on 20 m; "We Do That! with Amateur Radio"; Extra Class Manual and Extra Q&A available; Jim Veatch, WA2EUH, May 2008 QST Cover Plaque winner; Yubileiny Amateur Radio satellite (Sputnik 30 [RS 30]; ARRL book translated to Chinese; Colorado ARES District 10 activated; Notes from Contest Branch blog; June conventions; TI9KK approved for DXCC; June VHF QSO Party; ARRL online courses; Fausto Minardi, I4EAT, DXCC Challenge DeSoto Cup winner; Yeasu principal sponsor of Logbook of The World Web site; Goldfarb scholarship to Austin Evans Wilmot, KD5QKS; ARRL Contest Rate Sheet becomes ARRL Contest Update: Aug, 12

ARRL Board of Directors July 18-19; Air Force PAVE PAWS; US Court of Appeals regarding broadband over power lines (BPL); Dr Cesar Pio Santos A., HR2P, appointed IARU Region 2 Emergency Communicaitons Coordinator; Edward Thomas, KCØTIG, and son, electrocuted; Order for FCC to reimburse ARRL for docketing fee re BPL; W1AW/KL7 Special Event Station; ARES in Sacramento Vally Section; Riley Hollingsworth, K4ZDH, retires; ARRL concerns over Red Cross background checks; HAM RADIO 2008 Friedrichshafen, Germany; IARU Annual Meeting; ARRL 2007 Annual Report available; Tom Sowden, KØGKD, June *QST* Cover Plaque Award winner; IARU HF World Championship: Sep, 12

Ed Hare, W1RFI, chairs technical session at IEEE International Symposium on Electromagnetic Compatibility; Bangladesh Amateur Radio League to issue ham licenses; ARRL Teachers Institutes; Carolyn, NØLAL and Steve Baily, NØUS, Silent Keys; Special Event stations for Beijing Olympic Games; National Conference of Volunteer Examiner Coordinators; Glenn P. Swanson, KB1GW, Silent Key; Special Event 4U1WED, for UN World Environment Day; vanity call sign cost increases; July 2008 cover plaque award to Jack B. Morgan, KF6T; August conventions; ARRL HF Contest; ARRL 10 GHz and Up Contest; ARRL online courses: Oct, 12

3 hurricanes/tropical storms; 3rd ARRL On-Line Auction; Brennan Price, N4QX, Technical Relations Manager; members access PDFs of *QST* articles; Army MARS operators in Iraq; IARU EC Region 2 meeting; American Red Cross policy clarification; 500 kHz experimental license WD2XSH expansion requested; Steven Weber, KD1JV, August *QST* Cover Plaque winner; September Conventions; September ARRL contests; ARRL online courses: Nov, 12; *Feedback: Dec, 98* 

Woolweaver, K5RAV, appointed to Council of the Dept of State Health Services; Ethics and Operating Procedures for the Radio Amateur available from the ARRL Web site; Richard Garriott, W5KWQ, contacts from ISS; Manassas, Virginia City Council assumes control of BPL service; Paolo Cortese, I2UIY, Silent Key; 3rd ARRL On-Line Auction; September *QST* Cover Plaque Award to Jim Weit, KI8BV; JOTA Oct 18-19; Gov Ed Rendell (PA) signs "right to erect antenna support structures" bill; US Fish and Wildlife Service okays DXpedition to Desecheo Island, KP5, early 2009; 2009 ARRL Handbook and Calendar available; Korean Amateur Radio League hosted Amateur Radio Direction Finding World Championships in September; ARRL online courses; ARRL International EME Competition: Dec, 12

#### Inside HQ (Kramer)

ARRL Lab Upgrades Its Test Facilities: Jun, 13
ARRL.org Improvements: Dec, 13
DXCC: Meeting the Challenges: Apr, 13
Emergency Communications Issue of *QST*: Sep, 13
How *QST* Gets to Your Mailbox: Aug, 13
Keeping Ourselves Fit: May, 13
New Licensing Materials: Jul, 13 *QST*'s New and Improved Radiosport Section: Feb, 13
Ready to Rumble? Try Radiosport!: Oct, 13
Special Antenna Issue: Mar, 13
Survey Says...We're Listening!: Nov, 13
The Annual Vintage Issue: Jan, 13

#### Media Hits (Pitts)

Marine Corps Marathon; Boston Marathon; Hofstra Chronicle (Hempstead, NY); The Daily Astorian (Astoria, OR); Forbes (NY); KOMO-TV (Everett, WA); Commercial Appeal (Memphis, TN); Star Tribune (Minneapolis, MN); Bonner County Daily Bee (Sandpoint, ID); The Los Angeles Times (Pitts): Jan, 12 News Tribune (LaSalle, IL); KPTV; NOIN News 6; KATU-TV; The Daily Astorian (Astoria, OR); BroadbandReports.com; Slashdot.com; ComputerWorld; KPLU; The Oregonian (Portland, OR); NNB Radio: Feb, 12

Jeopardy!; Guidon (Lebanon, MO); Bridgeport Index (TX); Kitsap Sun (WA); Reporter-Times (Martinsville, IN); San Leandro Times (CA); The Enquirer (Cincinnati, OH); Contra Costa Times (CA): Mar, 12

2008 Swiss Army Knife CD available; Boys Life; WANE-TV, Fort Wayne, IN, Alyssa Ivanson, 2007 Bill Leonard Award; Northwest Arkansas Times; University of South Carolina's Center for Public Health Preparedness annual report; American Profile (Franklin, TN); Journal and Courier (Lafayette, IN); Boston Globe; KY3-TV Springfield; Daily Press (Newport News, VA); Comcast cable television; Daily Astorian (WA); New Tribune (Tacoma, WA); WDIO-TX (MN); Daily Comet (LA); Lancaster Eagle Gazette (OH); Countywide News (OK); Washington Post; Cavalier Day (University of VA): Apr, 12

Florida Today; KPLU-PBS Tacoma, WA; The Bank Job (movie); The Wall Street Journal; Radio World; Journal & Courier (Lafayette, IN); MetroPulse.com (Knoxville, TN); News Leader (Ft Sam Houston, TX); Pontoon & Deck Magazine (Pitts): May, 12

KREN-TV (Reno, NV); The Mercury News (San Jose, CA); Southtown Star (Chicago, IL); Gov Jennifer Granholm, MI, issues proclamation for Amateur Radio Awareness Week beginning June 23; ARISS activities; Promote Field Day www.arrl.org/pio; Herald Journal (Logan, UT); KSK-TV (Salt Lake City, UT); Daily Record

(Ohio); We Do That — Radio Campaign; The Morning Herald (Hagerstown, MD); The Walker County Messenger (LaFayette, GA); The Appleton Post-Crescent (WI): Jun, 12

CNN News; Cnet.com; Ars Technica (Boston); RCR Wireless News (Golden, CO); Radio World (Alexandria, VA); MRT magazine (Chicago); 60 Minutes; CBS Early Show; Daily Record (Morristown, NJ); Star-Ledger (Newark, NJ); Independent Press (New Providence, NJ); local Seattle Channel; KMBC-TV (Kansas City); WOWT (Omaha); KSWO-TV (Lawton, OK); The Star (Shelby, NC); Messenger (Ft Dodge, IA); Gazette (Salon, IA); Record Chronicle (Denton, TX); The Huntsville Times (AL); Atlanta Journal (GA); (Pitts): Jul, 12

Amateur Radio Week proclamations (Pitts): Aug, 12 Philidelphia NBC News TV 10; Austin — Fox 7 News, KVUE 24 News and News 8; San Diego ABC Ch 10 News and Ch 6 Fox News; state proclamations; MSN.com; Electronic Engineering Times; Electric Design; more at www.arrl.org/pio/2008mediaHits.pdf. (Pitts): Sep, 12

The Expeditionary Times; WBCQ's QSO show; Amateur Radio Week in Oregon; Walletpop.com; Electronic Design; KSTP-TV Channel 5 St Paul MN; Associated Press; NASA Communication From Space Inspires Young Minds; Post-Standard (Syracuse, NY); Rocky Mountain News (Denver, CO); Charlottesville Daily Progress: Oct, 12

ABC, NBC, CBS and Telemundo; BBC-America; GovernmentExecutive.com; The Baptist Press News (Nashville, TN); KOAT-TV Channel 7 and KOB-TV Channel 4 (Albuquerque, NM); WTNH-TV News Channel 8 (New Haven, CT); WEYI-TV25 (Clio, MI); WSFA TV12 (Montgomery, AL); KATU-TV2 (Portland, OR; Democrat-Herald (Albany, OR); Aiken Standard (Aiken, SC); WACV radio call-in show (Taylorsville, NC; The Rock Hill Herald (Rock Hill, SC); Bethany Beach Wave (Bethany Beach, DE); WTST-TV Tampabays10 (St Petersburg, FL) (Pitts): Nov, 12

The Daily Reveille (Baton Rouge, LA); Florida Baptist Witness (Graceville, FL); The Eagle (Bryan, TX); Foster Folly News (Washington County, FL); Galveston Daily News; Houston Community Newspapers; The Herald (Everett, WA); KTVB-TV (Boise, ID); Clarkson University News (Potsdam, NY); JNCI (Journal of the National Cancer Institute): Dec, 12

#### **Up Front**

70 cm J-Pole walking cane (Schlieper): Sep, 21 A Window Blind Antenna (Lytle): Jul, 20

Alaska's Arctic Circle Terminator — Gray Line (Balzarini): Aug, 21

All together now...let's stand on our heads (VT license plate artwork) (Makul): Aug. 21

Amateur Radio at the dawn of the Broadcasting Age (Lay Jr): Jan, 20

Amateur Radio cake by Georgia Galus, Vashon-Maury Island (WA) Radio Club: Jan, 21

Apostle Island Sled Dog Race check points (Walsh): Apr, 21

ARRL Board Meets in Houston (Hobart): Mar, 20

ARRL Field Day 2008: May, 21
Balneario Ten Ten sign (Minard): May, 20
Bedford ARC Helps Out Santa (Knox): Dec, 21
Bugged: wasp on "bug" (Buchanan): Apr, 21
Building a Budget Semi-Automatic Bug (Otten): Aug, 20
CB/HAM on Pizza Box (Stack): May, 21
Collage Honors Family's Hams (Deppe): Oct, 20
Diablo Bravo 08 (Gutierrez): Dec, 21
Edison the Railroad Telegrapher (Van Voorhis): Sep, 21
EmComm System Serves Medical Needs in Sri Lanka

Field Day Dreams Do Come True (Spoon): Jun, 21 Field Day Fun! Sunset over the Williamson County (TN) ARES Field Day (Lamb): Dec, 20

Field Day Fun! The Bands are a Zoo — Literally! (Octagon Wildlife Sanctuary, W8OWS) (Burik): Dec, 20

Field Day Fun! Two sergeants do FD from Iraq (Sgts Nathan Cummings and Owen Fuller) (Hammer): Dec, 20 Field Day Group Encourages Drop-Ins (Bender and Robinson): Oct, 20

Field Day Group Encourages Drop-Ins): Oct, 20 First Ham in Space (Marthens): Sep, 20 Floating VE Session (Crothers, Finkelstein and Mack):

Apr, 21

Forty-Two Years to a QSO (Rose): Feb, 20 Ham Radio and the American Red Cross in San Antonio (Tangrady): Jan, 20

Hams are Friendly in Transylvania (Tiritilli): Feb, 21 Hams in the Faculty Senate at Iowa State (Walter): Sep, 21

Have a Good Photo?: Nov, 21

(Gamage): Jul, 21

Hawk Prefers Horizontal Polarization (Creed): Oct, 20 History Channel Goes Underground For Upcoming Tesla Program (Lobenstein): May, 21

Homebrew Transceiver (Mendelsohn): Dec, 21 HOT-HOGS Presents ARRL Service Awards (Melcer): Sep, 13

How's your gas mileage, OM? (Salmi): Nov, 21 Hurricane response prep: Florida's Turnpike Enterprise's Field Day (Mack): Jun, 21

Incoming QSL Cards Cause for Flight (Karvonen): Jul, 21 It's a bird, it's a plane, it's a ham (Sweet): Mar, 21 It's the 3rd Annual Photo Contest!: Apr, 20

K1SS: A Ham for 78 Years (Rubin): Oct, 21

Katie Besley, KI4LSZ, advancing Amateur Radio (Besley): Oct, 21

Lance Armstrong meets Ansel Adams (Rubio): Aug, 20 Mock disaster prep (Sweigert): Nov, 21 N6BOP Ham Radio Ambassador (Sutorus): Jan, 21 National Simplex Coal Hopper (RR Car/146.520) (Johnson): Jul, 20

New Ham Radio Station aboard the Coast Guard Cutter Mackinaw (Scott): Jul, 20

New Hams Get Same-Day SKYWARN Demo (Conklin): Mar. 20

New JA Tech (Yoshiki, KHØUA) (Nakada): Nov, 21 No peanut-whistles here (Duffy): Feb, 20

Not Doctored But Not Unplanned, Either (Waters): Feb, 21 Not Just Another Pretty Face (Nakita Livermore) (Livermore): May, 21

Not Yet Licensed...But on her way to WAS! (Jackson): Oct, 21

One-Tube CW Transceiver (Guretzky): Mar, 20

Presenting: The Winner (and Near Winners) of the 2008 ARRL Photo Contest:

KI5FJ Antennas in the New Mexico Sunrise (Ostrowski): Nov. 20

Quite the sunset (Higgins): Nov, 20

Solitude (Brown Jr): Nov. 20

The Winner - Snowy up and down link, OM! (Johnson): Nov. 20

Things are looking up at W1AW (Wojcik): Nov. 20

Productive KP Visit (Santana): Sep, 20

QRO Kayaking (Quick): Apr. 20

QSL Card Finds Its Way Home...After 55 Years (Nash): Jun, 20

Rail Riding Special Event Honors Troops (Kutter): Mar, 21 Rebuilding the Shack (Weed Jr): May, 20

Regional Science Fair Winner KCØYQJ is Nothing if Not Prescient (Gill): Jun, 21

Remember the Old Saw...? (Schaffer): Feb, 20

Run for the Mullet 5K random number assigned, 73 (Keller): Jan. 21

Same Place, Same Hams — A Field Day Reunion (Jackson): Jun, 20

Smart car with ICOM ID-800H D-STAR Transceiver (Tiritilli): Jul, 21

Some collect radios...(Collins Radio repair building) (Davis): Jan, 20

Special Postal Cancellation JOTA stamp, Bangalore, India (Ajoy): Jan, 20

Specially Engraved Key (Salas): Mar, 21

Spreading the Word (Azalea Coast ARC donating ARRL materials to libraries) (Morine): Apr. 21

Stanford U Tower... (Gillmore): Sep. 20

Station "W" Still Intact (Way) Down Under (Johnson): May,

Summertime - Thunder Storms (Fisher): Nov, 21

Texas Tower at Sunrise (Oakes): Sep, 21

Under the Rainbow (Stokes): Mar, 20

Unique CW and Keys Display Goes On World Tour (Ingram): Aug, 21

Wavelengths Surf: Gives new meaning to "surfing the bands" (Hill): Jun, 20

Web site - "Spiderham" (Fisher): Nov, 21

Western light fixture with unique branding irons (Allen): Aug, 21

What do you do with 2541 QSL cards? (Freeman): Aug,

Where she is now...Zane Woods, W2YL (Wruble): Jan, 21 Where you'll find Joe Taylor, Walter Cronkite and Joe Walsh? Mike's Famous Ham Place (Ross): Jan, 21 Wilson Lamb, W4BOH, takes his turn at the key; Durham

FM Association FD site, 2007 (Wallace): Jun, 21

# ARRL VEC Volunteer Examiner Honor Roll

Jun, 38; Sep, 100

### VHF/UHF Century Club Awards (More)

Feb, 100; Apr, 67; Jun, 93; Aug, 88; Oct, 102; Dec, 80

## **W1AW Schedule**

Jan, 94; Feb, 99; Mar, 97; Apr, 100; May, 100; Jun, 102; Jul, 102; Aug, 102; Sep, 102; Oct, 98; Nov, 100; Dec, 99

#### Workbench

A Shower Head Microphone (Holdeman): Oct. 76 A Wireless PTT Switch for Mobile Operations (Haines):

Nov. 73; Feedback: Dec. 98

A Word About RF Safety (sidebar to Through the Glass HF Antenna and Tuner at K7ZX/MM) (Combs): Oct, 69

All Those Connectors! (Hallas): Jan, 64

An All Band HF Dipole Antenna (Weit): Sep. 62

An Easy to Make Desk Microphone (Haines): Jun, 79

An Electronic Turns Counting Dial (Lam): May. 67

Baluns — What's the Story? (Arnold): Jun, 76

Easy Upgrade to an Amplifier Controller (Salas): May, 69 External Full Break-In Transmit-Receive Switch for HF Amplifiers (Salas): Feb, 76

Feeding that Zepp with Coax (Cornell): Oct, 70

First North America Blind ARDF Competition (Frey): Feb,

Getting that Antenna Cable Into the House (Hallas): Mar,

Hendricks QRP Kits Long Wire Antenna Tuner (Ford):

Picking a Microphone for that New Station (Hallas): May,

Pocket dBm RF Power Meter (Whiteside): Aug, 65; Feedback: Sep, 51

Power to the People with a DC Distribution System (Hallas): Sep. 67

Repair and Upgrade Low Cost Geiger Counters (Kitchin): Apr, 72

Some Thoughts on Solar Trackers (Olberg, Ryan and Zimmermann): Nov. 78

Switch to Safety (sidebar to Updating the Drake AC-4 High Voltage Power Supply) (Bryce): Jan, 61

The Pileup Buster (Badger): Oct, 73

The Switcher (Hamblin): Apr. 75; Feedback: Jun. 80

Those Type N Connectors (Hallas): Apr, 69

Through the Glass HF Antenna and Tuner at K7ZX/MM (Combs): Oct, 68

Time to Tune Up that Straight Key! (Hallas): Dec, 61 To the Moon and Back — Via the Caribbean (de Graaf and Hasper): Feb. 63

Transform Your Vibroplex Bug into a Keyer Paddle (Hart): Feb. 73

Updating the Drake AC-4 High Voltage Power Supply (Bryce): Jan, 58

## Getting On the Air (Hallas)

How About a Software Defined Radio?: Sep, 68 Making that DC Distribution System Uninterruptible: Nov,

Selecting Your First HF Transceiver: May, 71; Feedback:

Storage Battery 101 (sidebar to Making that DC Distribution System Uninterruptible): Nov, 77

That First Contact!: Mar. 69

Your First HF or 6 Meter Antenna: Jan, 65

Your Second HF Antenna: Jul, 69

## Hands-On Radio (Silver)

Experiment #60 — Smith Chart Fun #2: Jan, 62 Experiment #61 — Smith Chart Fun III: Feb, 74

Experiment #62 — About Resistors: Mar, 66

Experiment #63 — About Capacitors: Apr, 70

Experiment #64 — Waveforms and Harmonics: May, 74; Feedback: Jul, 38

Experiment #65 — Spectrum Modification: Jun, 77

Experiment #66 — Mixer Basics: Jul, 71

Experiment #67 — The Return of the Kit: Aug, 69

Experiment #68 — Phased Locked Loops, the Basics: Sep. 71

Experiment #69 — Phased-Locked Loops, Applications:

Oct. 71

Experiment #70 — Three-Terminal Regulators: Nov, 80

Experiment #71 — Circuit Layout: Dec, 62

## Hints and Kinks (Sant Andrea)

A 5 Minute Surface Mount Device Holder (Ellis): Nov, 82 A Solid, Well-Grounded HF Antenna Mount (Augusteijn):

Adding 60 Meters to the MFJ-207 SWR Analyzer (Koh): Mar, 72

An Old Trick — The "Gimmick" Capacitor (McAlister): Feb,

Another Use for Paper Towel Rolls (Crown): Apr, 79 Another Way to Boost Transceiver Audio in Your Car (Kenealy): Jan, 67

Auxiliary 9.6 V Battery for the Yaesu FT-50 (Angel): Jul,

Battery Pack Voltage Control (Arnold): Jul, 73 Care of Soldering Iron Tips (Murphy): Oct, 79

Corroded Connections Make Mobiles Malfunction (Vavra): Dec, 64

Counting Turns on Very Small Toroids Made Easy! (Olson): Aug. 71

Determining Characteristic Impedance of Unknown Coax Using an Antenna Analyzer (Ellis): Feb, 81

Dress Up Your HF Antenna Mount (Haines): Apr. 77

Easy Mobile Transceiver Audio Punch (Casper): Jan, 67 Emergency Batteries (Karras): May, 77

Ferrite Core Resource (Brock): Jul. 75

Fly-Tying Vise as "Third Hand" (Hoskinson): Apr, 77 FT-817 Power Conditioner Kit Construction Modifications (Falkof): Oct, 79

Go Portable with an MFJ-1775 Rotatable Mini-Dipole (Portune): Oct, 78

Got Corroded Connectors? (Meckley): Apr. 77 Hearing Aids as Headphones (Hall): Nov, 83

Homemade Oscilloscope Probes (Anderson): Jun, 81 Improved Cooling for the MFJ-267 Dummy

Load/Wattmeter (Salas): Jan, 67

Indoor Antennas and Fire Safety (Crutchfield): Apr, 77

Inexpensive Project Enclosures (Stark): Jun, 82

Keeping Power Supplies Cool (Klocksin): Nov. 83

Labeling Your Coax Cables (Stokes): Apr., 78

Lurking Behind the Gray Door (Coffman): Mar, 71

Making a Homebrew RF Enclosure (Richardson): Jan, 68 Matching Meters to the Measurement (McCann): Nov. 83

More on Data Switches (Wyer): Jul, 73

Mouse Pad Project Box Feet (Risser): Feb, 81

"Navy Tech" Method to Prepare PL-259 UHF Connectors (Jennings): May, 77

NN8R "Minitenna" System (Grob): Apr., 78

Paper Towel Tube Cord Covers (Fairfield): Apr, 79

Planning for Shack During New Construction (Ciufo): Apr.

Plastic Pipe Wire Tray for Back of Console (Roessler): Mar, 71

Poor Man's Wind Sock (Mollentine): Oct, 79

Portable Lightweight Antenna Support (Stiebel): Dec, 64

Powering Your radio in an Emergency (Karras): Sep. 73

Programmable Temperature-Monitoring Set Points (Schlegel): Apr. 78

Protecting Your Ladder Line from Abrasion (Weatherley): Sep. 74

Radio Display Protector (Garb, Knief): Dec, 65

Recycled Disk Cases as QSL Card Holders (Pantazes): Jan, 67

Remoting a Wireless Speaker (Mollan): Feb. 81

Removing Coax-Seal (Truchinski): Feb. 80

Repairing 3-Ring Binder Manual Pages (Craner): Jul, 75

Restoring Rotary Switches (Webb): May, 77

RF Computer Hash Solved (Gerhold): Aug, 72

Riveted Chassis Mount Coax Connectors (Burgan): Apr,

Scratch-Proof the IC-706/703 Flip Stand (Salas): Apr. 77

Securing Thin Wire Leads (Whiting): Feb, 80

Six Screw-Starting Tips (Cabot): Sep, 74

Solar QRP (Arnold): Sep, 74

Soldering RG-8X to a PL-259 (Radford): Aug, 71

Sound Card Caveat (Karras): Dec, 65

Textured Paint Finish for Radio Cabinets (Davis): Dec, 65

Tip on Installing a PL-259 Connector (Tracy): Jan, 68

Transceiver Support Shelf (Salas): Oct, 79

Two Speed Soldering Iron (Nelson): Feb. 80; Feedback: Mar. 80

USB to ICOM Transceiver Interface (Keith): Oct. 78 Use Your MP3 Player for Code Practice (Yoksh): Feb, 80 Using Powerpole Connectors to Ground Ladder Line (Wagner): Sep, 74

Using Surplus: Avoid Reinventing the Wheel (Yoshida): May, 78

Water Vapor Condensation in Air Dielectric 9913 Coax (Bosbach): Jun, 81

Weatherproof Shrink Tubing (Hall): Jul, 75

Windows Sounds on Digital Frequencies (Kriss): Dec, 65 Yaesu VX-5R Tips and Tricks (Yoksh): Jul, 73

#### Short Takes (Ford)

Amateur Radio//Video News Digital Voice for Amateur Radio: Aug. 64

Antennas.us 70-cm Satellite Antenna: Nov, 72

Byonics TinyTrak4 APRS Position Encoder: Sep. 61

CommCat 3: Jun, 73

MFJ-868 HF Wattmeter: Feb, 72

MFJ-927 Remote Automatic Antenna Tuner: Sep. 70 Nec2Go by Nova Plus Software (Van Wyckhouse): Jan.

QSL Maker (Rabin): Jul, 68

QSO Wizard: Mac OS X Amateur Radio Visual Aid

(Horzepa): Mar, 65

The Arrow II 146-4BP Antenna (Gruber): Dec. 60

TigerTronics SignaLink USB Interface (Van Wyckhouse): Apr. 68

TransWorld Adventurer Antenna (Hallas): Nov, 79

# The Doctor is IN

Jan, 55; *Feedback: Apr, 58*; Feb, 70; Mar, 63; Apr, 66; May, 64; Jun, 71; Jul, 66; Aug, 62; Sep, 59; Oct, 66; Nov, 70; Dec, 58