Index to 2002 QST

75, 50 and 25 Years Ago (1927, 1952, 1977) (Brogdon)
Jan, 104; Feb, 108; Mar, 101; Apr, 92; May, 103; Jun, 89; Jul, 84; Aug, 86; Sep, 84; Oct, 84; Nov, 100; Dec, 91

Amateur Radio World (Patton)
Briefs: Amateurs in Panama again have access to 30 meters; Japan Amateur Radio League leadership announced; Deutscher Amateur Radio Club's 5 WPM survey: Aug, 5
Briefs: Radio Amateurs of Canada 2002 convention set; New Zealand simplifies amateur licensing: Apr, 76
IARU Region 1 Executive Committee Meets in San Marino to Plan Triennial Conference (Price): Aug, 58
IARU Region 2 Meets in Guatemala: Feb, 98
IARU Represented at ITU Special Committee Meeting: Nov, 98
JARL Ham Fair 2002 a Success: Nov, 98
New British Foundation License Provides HF Access via "Morse Assessment": Jun, 75
World Amateur Radio Day Celebrates Amateurs' Continuing Innovation in Communication Technology: Apr, 76

Amateur Satellites (Ford)
AMSAT-OSCAR 40—Status Report: Mar, 93
OSCAR 40 Status: Dec, 86
OSCAR 40—Indonesian Style: Dec, 86
OSCAR 7 Lives Again: Sep, 72
Satellites and Field Day 2002: Jun, 74
The End of RS-12/13?: Dec, 86
W1AW on AO-40: Sep, 72

At the Foundation (Lau) (Column)
Contributor's Corner: Jan, 102; Mar, 95; May, 101; Jul, 79; Sep, 78; Nov, 97

Foundation Grant Funds Historical Amateur Radio Exhibit: Mar, 95
Grant Helps the Scouts of KB3BOY Camp Ockanickon (Zajko): May, 100; Feedback: Jul, 39
Grant Lofts High Altitude Balloons and Ham Radio (Broad): Nov, 97
Hall of Science Museum Station Showcases Hands-On Technology (Greenbaum): Jul, 79
Important Change to Scholarship Program: Nov, 97
Junior High School Success Story for Hermann Bearcat ARC (Lionberger): Jan, 102
The Results of Scholarships and Academic Excellence: Sep, 77
Tuning in to Fun for Texas Visually Impaired Students (Bosback): Jul, 79

Coming Conventions/Hamfest Calendar (Iannone)
Jan, 105; Feb, 105; Mar, 98; Apr, 87; May, 97; Jun, 86; Jul, 80 Aug, 81; Sep, 85; Oct, 86; Nov, 95; Dec, 92

Contest Corral (Silver)
Jan, 107; Feb, 109; Mar, 102; Apr, 93; May, 104; Jun, 90; Jul, 85; Aug, 87; Sep, 89; Oct, 89; Nov, 102; Dec, 93

DC Currents (Mansfield)
Adelstein FCC Nomination Again Sidetracked (Lindquist): Dec, 15
ARRL "Takes to the Hill" on CC&R Issue: Apr, 15
ARRL Counsel Speaks out on Proliferation of Unlicensed Devices: Jan, 15
ARRL Gets In Some Prime Face Time at NAB Convention: Jun, 16
ARRL Homeland Security Federal Grant Training Program (Lindquist): Oct, 15
ARRL Officials Upbeat about Removing Potential Monkey Wrench from 5-MHz Band Proposal (Lindquist): Nov, 15
ARRL Part 15 Stance Draws Industry Fire: Aug, 16
ARRL Says FCC is Overstepping its Part 15 Authority: May, 16
Bug Threats Slow License Processing at FCC: Jan, 15
CC&R Bill "the Right and Fair Thing," Sponsor Says: Aug, 15
CC&R Bill HR 4720 Gains Additional Cosponsors: Sep, 16
CC&R Bill, HR 4720, Attracts Additional Cosponsors (Lindquist): Oct, 16
Congress Completes Legislative Business; CC&R Bill Likely Left Behind (Lindquist): Dec, 15
Cosponsor List for CC&R Bill, HR 4720, Continues to Grow (Lindquist): Nov, 16
DoD says More Control Over Bandwidth Needed to Fight High Tech War: Mar, 16
Edmond J. Thomas Appointed OET Chief: Mar, 16
FCC Approves Reorganization Portion of Reform Effort: Mar, 15
FCC Cites Schoenbohm Case in Proposing to Strengthen Repetitious Applications Rules: Jun, 15
FCC Inches Closer to Full Strength as Adelstein Undergoes Senate Grilling: Sep, 16
FCC Okays UWB Despite Opposition: Apr, 15
FCC Proceeding Puts New Pressure on Amateur Microwave Band: Jun, 15
FCC Puts Off Consideration of Ultra-Wideband Rules: Feb, 16
First Half of 107th Congress Over and Second Half Begins: Jan, 15
Ham-Congressman Appointed to Key House Subcommittee (Lindquist): Dec, 15
Landmark Bill Could Provide Relief to Amateurs from Restrictive Covenants: Jul, 15
Lawmakers Trying to Create New Radio HERO: Feb, 16
Meeting Mulls Enhanced Public Safety Role for Amateurs: Sep, 15
Pending CITEL Resolution is a Step Toward Global Ham Ticket (Lindquist): Oct, 16
President Haynie Calls DC Visit "Best Yet" for Ham Radio: May, 15
Science and Technology Mobilization Act: May, 16
Senate "NetGuard" Hearing asks ARRL for Written Testimony: Feb, 15
Senate NETGuard Bill Would Create Volunteer Technology Cadre: Jul, 16
Spectrum Protection Act Among Bills Caught in "Enron Logjam": Jun, 16
Status on House and Senate Amateur Radio Spectrum Bills: Jan, 16
Status on House and Senate Amateur Radio Spectrum Bills: Apr, 16
Steve Mansfield, N1MZA, Silent Key (Lindquist): Oct, 16
"Tauzin Dingell"? What Was All the Fuss About?: Apr, 16
Tauzin Moving Ahead with Spectrum Management Policy: Jul, 16
Update on CC&R Effort: Jan, 16
US Senate Explores the Topic of Spectrum Management: Aug, 15
Voss Senate Testimony Cites Value of ARISS: Sep, 15
White House Greets Amateur Radio Operators: Aug, 16

**Media Hits**
The Valley Independent (Monessen, PA); Pueblo Chieftan (CO); The Chronicle (Chehalis, WA); Internet by MSNBC; Boy's Life magazine; Clarion Ledger (Jackson, MS): Jan, 16; Feedback: Mar, 16
Los Angeles Times; San Diego Union Tribune; Azusa (CA) Herald; Huber Heights Courier Times; Denton Record Chronicle: Feb, 16
Seattle Times (WA); Palos Verdes Peninsula News (CA); The Northwest Navigator, North Kitsap Herald (Navy); Daily Herald (Arlington Heights, IL); Express News (San Antonio, TX): Mar, 16
Wilmington (NC) Morning Star; Los Angeles Times; Boston Globe; CNN Headline News; Wall Street Journal; Associated Press Science Feed: Apr, 16
The Deseret News (UT); Inside San Jose magazine; Land Line magazine; Chattanooga Times Free Press (TN): Jun, 16
"Whole Internet Page-A-Day Calendar"; Mobile Radio Technology; Herald-Mail (Hagerstown, MD); New Era (Lancaster, PA); Hawthorne Press (NJ): Jul, 16
The Hartford Courant, The Advocate, Record-Journal, The Day, WFSB-TV, CT Radio Network, Newington Life, WDRC-FM/AM; Christian Science Monitor (CT); The Post-Standard & Herald-Journal (Syracuse, NY); The Bozeman Daily (MT); Vero Beach Press (FL); KKOB Radio (NM): Oct, 16
The Floyd Press, VA; Erie Times News, PA; Sun City West Independent, AZ; Lynden Tribune, OR; Pioneer, Bemidji, MN: Nov, 16
The Compass Magazine of the The Virginian-Pilot (Norfolk, VA) Dec, 15

**Digital Dimension (Horzepa)**
A Typical Meteor-Scatter QSO Experience (Tipton): Mar, 92
High-Speed Digital and Multimedia Working Group is On: Jun, 76
New APRS Software Uses MapPoint: Jun, 76
Put a Repeater Controller in Your Computer: Jan, 99
Testing the Precision of APRS for Aircraft Emergencies: Sep, 79
VHF Propagation Software: Dec, 87
Why I Like the Internet (Part 2): Jun, 76
Will D-STAR be the Next Big Star in the Digital Dimension?: Dec, 87

DXCC Honor Roll (Moore)
DXCC Honor Roll: Aug, 98

Exam Info (Jahnke)
New Extra Class Question Pool Effective July 1;
FCC Says Date of Birth Not Required: Jul, 75
QPC Releases Revised Amateur Extra Class Question Pool; FCC Again Collects Dates of Birth and Begins FRN Collection: Jan, 101

Feedback (Pre-2002)
Oops! (DC Currents: Terrorism Bugs Capitol Hill (December 2001 QST, p 15): Jan, 16
Updating the W1FB 80-Meter "Sardine Sender" (QST, November 2001, 54-56) (Westgard): Mar, 42

Feedback (2002)
9-11-01: A Dedication to Public Service (April 2002 QST, pp 28-33): May, 78
A CW Generator and Audio Distribution System for Students (QST, February 2002, pp 62-64) (Rynone): Mar, 42
A Quality Sound Card Interface for ICOM Rigs (March 2002 QST, pp 31-37) (Lewis): May, 78
A Simple and Portable HF Vertical Travel Antenna (July 2002 QST, pp 28-31): Aug, 58
At the Foundation: Grant Helps the Scouts of KB3BOY Camp Ockanickon (May 2002 QST, pp 100-101): Jul, 39
Correspondence: ARES Needs Help (March 2002 QST, p 24) (Lee): May, 78;
Digital Voice: An Update and Forecast (February 2002 QST, pp 38-41) (Smith): Mar, 42
QRP Power: Lust at First Sight (June 2002 QST, p 84): Aug, 58

Strays: QST congratulates..."VC" Angell, KC0EM (June 2002 QST p 50): Jul, 39
Technical Correspondence: Test Your Filter Knowledge—Again! (October 2002 QST, pp 69-70): Nov, 47
Technical Correspondence: The ICOM 756PRO—A Cure for the Rumble (June 2002 QST, pp 68-69) (Gibbs): Jul, 39
Technical Correspondence: Vocoder Revived (October 2002 QST, p 69): Dec, 73
Test Your Knowledge: Filtering and Tuning (February 2002 QST, p 65) (Silver/Knadle Jr): Oct, 69
The "No Fibbin" RF Field Strength Meter (August 2002 QST, p 28-29) (Noakes): Sep, 88
The Doctor is IN (Jul 2002 QST, pp 46-47): Sep, 88
The World Above 50 MHz: On the Bands (June 2002 QST, pp 82-83) (Pocock): Aug, 76
Up Front: Ben Franklin Flag (September 2002 QST, p 20): Oct, 39

Feature/General Interest
2001 USA Direction Finding Championships (Boyd): Mar, 46
2001 USA Direction Finding Championships (Mileshosky): Mar, 46
50 Years of OMIK (Phillips): Nov, 53
9-11-01: A Dedication to Emergency Service (Lindquist): Apr, 28; Feedback: May, 78
A 1930s TRF-Autodyne Receiver (sidebar to The Age of the Autodyne) (Klase): Jan, 44
A DXpedition to Niger (Cortese): May, 49
A Ham Radio Fishing DXpedition in the Wilds of Quebec (Abraczinskas): Feb, 57
A Novice Contester Gets His (Phillips): May, 53
A Place Signed with Honor (Turner): Dec, 57
Amateur Radio at the 2001 New York Marathon: Hams Again Provide Superb Communications to the NY Marathon (Bennett): Feb, 53
Amateur Radio at the 2001 New York Marathon: Race Day Starts at 4 AM (Hirsh): Feb, 53
Amateur Radio Education & Technology Program in Full Swing (sidebar to Amateur Radio—A Powerful Voice in Education) (Hill): Dec, 54
Amateur Radio Hits the Big Screen (White): Jul, 43
Amateur Radio—A Powerful Voice in Education (Hill): Dec, 52
An Island Sprouts Its First Amateur Inhabitants (Green): Feb, 42
And the Call Sign is… (sidebar to WRTC 2002—In the Land of the Midnight Sauna) (Silver): Oct, 41
Announcing the Eleventh Annual Philip J. McMan Memorial Silver Antenna Award (Hagy): Feb, 52
Antennas Used at VP8THU and VP8GEO (sidebar to The 2002 South Sandwich/South Georgia Micro-Lite DXpedition) (Craig): Aug, 43
ARRL Donor Reception Features Nobel Laureate Joe Taylor, K1JT (sidebar to The Dayton 2002 Experience): Aug, 46
Birth of the Southern Appalachian Radio Museum (Henderson): Jan, 46
CQ 6 Meters from the Galapagos (Silver): Apr, 51
DXing with Polar Bears (Reisenauer Jr): May, 55
Gold Medalists by Event and Age Category (sidebar to 2001 USA Direction Finding Championships) (Moell): Mar, 48
Hams and the Rodeo-Chediski Fire (Unangst): Nov, 50
Hams Fly High at Oshkosh (White): Nov, 55
Help Keep the Amateur Satellites in Orbit (sidebar to The Legacy of AMSAT-OSCAR 6) (Curtis): Oct, 50
Interview with Toni Myers, Producer of IMAX 3D Film Space Station (sidebar to Amateur Radio Hits the Big Screen) (Bauer): Jul, 45
Just Where are We? (sidebar to DXing with Polar Bears) (Reisenauer Jr): May, 56
Lighting Up the Airways from a Lightship (Arnold): Aug, 49
Linked Repeater Systems: The Missing Links (Cox): Dec, 49
Major New Gear Less Abundant (sidebar to The Dayton 2002 Experience): Aug, 47
Making the Media Work for You (Slater): Feb, 48
More ARDF Action in 2002—USA and World Championships (sidebar to 2001 USA Direction Finding Championships) (Moell): Mar, 48
OSCAR 40 on 24 GHz (Seguin): Dec, 55
Postscript (sidebar to A Place Signed with Honor) (Turner): Dec, 58
Public Relations vs Public Service (sidebar to Announcing the Eleventh Annual Philip J. McMan Memorial Silver Antenna Award) (Hagy): Feb, 52
Real-Time Scoreboard—At Last! (sidebar to WRTC 2002—In the Land of the Midnight Sauna) (Silver): Oct, 43
Satellite DXing "To Go" (Rosenthal): Jun, 40
Satellites Oversimplified (sidebar to Satellite DXing "To Go") (Rosenthal): Jun, 42
Somewhere There's a Good Home for a Boat Anchor (Harper): May, 58
South Georgia and South Sandwich Islands (sidebar to The 2002 South Sandwich/South Georgia Micro-Lite DXpedition) (Craig): Aug, 41
Straight Key Night: A New Beginning (Russell): Apr, 54
The 2002 South Sandwich/South Georgia Micro-Lite DXpedition (Craig): Aug, 45
The Digital Escapades of ST0P in the Sudan (Hambleton): Mar, 43
The Drake TR-22: An FM Classic (Ford): Jan, 48
The Evolution of the World Radiosport Team Championships (Patton): May, 60
The First Field Day (Bergren): Jun, 44
The Largest Nation in Africa (sidebar to The Digital Escapades of ST0P in the Sudan) (Hambleton): Mar, 43
The Legacy of AMSAT-OSCAR 6 (Curtis): Oct, 48
The Thrill of it All (Schuster): Sep, 44
Tokyo Ham Fair 2001 (Patton): Jan, 39
Where is that Ham Radio Guy? (sidebar to Amateur Radio at the 2001 New York Marathon) (Prescott): Feb, 55
Why Has 6 Been So Good? (sidebar to CQ 6 Meters from the Galapagos) (Jones): Apr, 52
WRTC 2002—In the Land of the Midnight Sauna (Silver): Oct, 40
You Can Do It, Too (sidebar to Making the Press Work for You) (Slater): Feb, 50

Feature/Technical
A "One-Masted Sloop" for 40, 20, 15 and 10 Meters (Rogers): Apr, 44
A 6-Meter Quad-Turnstile (Cebik): May, 42
A Balanced, Everyday Approach to All-Band Bliss (Kleinschmidt): Apr, 47
A Compact, Direct-Digital VFO (Hagerty): Jan, 35
A Continuing Legacy of Innovation (sidebar to Digital Voice: The Next New Mode?) (Harrison): Jan, 32
A Ham Radio Public Utility HF Station (Wyatt/Schretter/Lamonica): Nov, 39
A High Performance, Low Cost 1.8 to 54 MHz Low Pass Filter (Jones): Nov, 34
A Horizontal Loop for 80-Meter DX (Belrose): Aug, 30
A Microphone Adapter for the IC-706 (Davidson): May, 39
A Portable Twin-Lead 20-Meter Dipole (Wadsworth): Feb, 36
A Quality Sound Card Interface for ICOM Rigs (Lewis): Mar, 31; Feedback: May, 78
A Simple and Portable HF Vertical Travel Antenna (Salas): Jul, 28; Feedback: Aug 58
AirMail Makes it Easy! (sidebar to Introduction to Winlink 2000) (Poor): Jun, 32
AMRAD Low Frequency Upconverter (Gentges/Ratzlaff): Apr, 34; Feedback: Oct, 39
ARRL's Active Role in Software Radio (sidebar to Linux, Software Radio and the Radio Amateur) (Smith): Oct, 34
BEACONet*31 (sidebar to Collecting Propagation Data on 10 Meters using BEACONet*31) (Tupis): Jun, 37
Build an APRS Encoder Tracker (Carter): Feb, 28
Build the "No Excuses" QRP Transceiver (Metzger): Dec, 28
Building the St Louis Switcher (sidebar to The St Louis Switcher) (Heron): May, 36
Collecting Propagation Data on 10 Meters using BEACONet*31 (Sack): Jun, 37
Digital Voice: An Update and Forecast (Smith): Feb, 38; Feedback: Mar, 42
Digital Voice: The Next New Mode? (Smith): Jan, 28; Feedback: Mar, 42
Glossary of Solar Index Terms (sidebar to Understanding Solar Indices) (Poole): Sep, 40
How Do I Sound? (sidebar to Digital Voice: The Next New Mode?) (Smith): Jan, 29
How it Works (sidebar to The EQ5+ Microphone Equalizer) (Wheeler): Dec, 45
I-Link, the .WAV of the Future (Millner): Mar, 38
Introduction to Winlink 2000 (Poor): Jun, 31
K8SYL's 75 and 10-Meter Dipole (Hutchinson): Jul, 32
Linux, Software Radio and the Radio Amateur (Marcus): Oct, 33
Matching Network Capacitor Values (sidebar to A Horizontal Loop for 80 M DX) (Belrose): Aug, 33
One Stealthy Delta (Ford): May, 47
Practical High Performance HF Log Periodic Antennas (Jones): Sep, 31
Put the "No Excuses" on 30 (sidebar to Build the "No Excuses" QRP Transceiver) (Metzger): Dec, 32
Six Meters from Your Easy Chair (Stroud): Jan, 33
Taming the Trap Dipole (Benson): Mar, 28
Telescoping Shields—How do they Work? (sidebar to A Quality Sound Card Interface for ICOM Rigs) (Lewis): Mar, 35
The "No Fibbin" RF Field Strength Meter (Noakes): Aug, 28; Feedback: Sep, 88
The Brendan Trophies: Insights for the New Millennium (Tupis): Aug, 36
The EQ5+ Microphone Equalizer (Wheeler): Dec, 39
The EZ-Tuner, Part 1 (Garland): Apr, 40; Part 2: May, 28; Part 3: Jun, 33
The Gamma Match—An Overview (Silver): Dec, 35
The Journey to EME on 24 GHz, Part 1 (Ward/Malowanchuk): Oct, 28
The Journey to EME on 24 GHz, Part 2 (Ward/Malowanchuk): Nov, 43
The N0GSG DSP Radio Direction Finder (Wheeler): Nov, 28
The N4GG Array (Kennedy): Jul, 35
The Noise Bridge (sidebar to Taming the Trap Dipole) (Benson): Mar, 29
The NVIS—A Low Antenna for Regional Communications (Pion): Jun, 28
The Return of the Slide Rule Dial (Wood): Feb, 33
The Slowly Swirling Sargasso Sea (sidebar to The Brendan Trophies: Insights for the New Millennium) (Tupis): Aug, 37
The St Louis Switcher (Kastigar): May, 35
The Very Small Array (Shuch): Sep, 28
Try Copper for 2 Meters—The Cu Loop (Stroud): Dec, 46
Understanding Solar Indices (Poole): Sep, 38
VE4MA Bio (sidebar to The Journey to EME on 24 GHz, Part 1) (Malowanchuk): Oct, 32
W5LU Bio (sidebar to The Journey to EME on 24 GHz, Part 1) (Ward): Oct, 31
W8ZR's Homebrewing Hints (sidebar to The EZ-Tuner, Part 3) (Garland): Jun, 36
What about Phase Noise? (Sidebar to AMRAD Low Frequency Upconverter): Apr, 39
Technical Correspondence

Aluminum-Foil Antennas: The "Catfish" Yagi (Williams): Jun, 69
Another Cheaper, Automatically "Safe" Charger (Karras): Dec, 72
Matching Electrically Small Antennas (Bingeman): Feb, 79
On "Selectivity and Hearing" (Tijmsma): Feb, 81
Re: Get on 222 MHz with a Ten-Tec 1210 Transverter! (Bloom): Apr, 71
Re: Get on 222 MHz with a Ten-Tec 1210 Transverter! (reply) (Botts): Apr, 71
The ICOM-756PRO—A Cure for the Rumble (Brock-Fisher/Jarvis): Jun, 68; Feedback: Jul, 39
Test Your Filter Knowledge—Again! (Knadle/Silver): Oct, 69; Feedback: Nov, 47
UNBVC—Ultra Narrow Band Voice Communications (Weisman): Aug, 65
UNBVC Discussion (Karras): Oct, 69
UNBVC Discussion (Weisman): Oct, 69
Unexpected Long-Term Resistance Increases in Resistors (Karty): Apr, 70
Vocoder Revived (MacLean/Hirsch, Jr): Oct, 69; Feedback: Dec, 73

Hints and Kinks

A Compression Capacitor for QRP Transmitters, (Smith): Feb, 67
A Computer Interference Cure, (Wheelock): Nov, 69
A DX-Beacon Clock, (Goshay): Apr, 63
A Homebrew PTT Hand Switch, (Kinney): Nov, 68
A Solder-Spool Holder, (Malara Jr): Mar, 57
A Source of Monel Wire, (McCarthy): Nov, 68
A Sticky Pad Keeps Equipment from Walking, (Inness-Brown): Dec, 64
About Hints and Kinks, (Schetgen): Feb, 69
Add Safety and Comfort for Tower Climbing, (Mollentine): Jan, 67
Add Safety and Comfort for Tower Climbing?, (Castellano): Feb, 69
An Antenna Thrust Backup, (Mollentine): Jan, 67
An Ashtray Speaker Mount, (Gruber): Nov, 69
An Inexpensive Coaxial Cable Source, (Kempter): Nov, 68
An LED VU-Meter, (Moller): Feb, 68
Circuitworks Tool for Circuit Repair, (Schetgen): Dec, 64
Coiling Wire or Rope without Kinks, (Melton): May, 70
Cure a Common HP Counter Problem, (McKenzie): Nov, 68
Cure IC-707/FL-53A Audio Hum, (Schmid): Mar, 57
CW is Alive and On the Move, (Allison): Dec, 63
Easy Custom Meter Faces at Home, (Jones): Oct, 63
Front-Panel Labels, (Yoshida): Jun, 62
Guy Wire Safety, (Malara, Jr): Jan, 69
Honey Saves Small Parts, (Gosnell): Dec, 63
Hum Cured, (Beene): Dec, 64
Improved Audio—At the Other End, (Spies): Jul, 53
Inexpensive Project Boxes and Cell-Phone Belt Clip, (Yoshida): Jun, 62
Installing a Hy-Gain Tiltwister Rotator in Rohn 25, (Mollentine): Jan, 68

Feature/Workbench

A CW Generator and Audio Distribution System for Students (Rynone): Feb, 62; Feedback: Mar, 42
A Lightning Detector for the Shack (Radmore): Apr, 59
A Vintage Crossword (Silver): Jan, 62
Build the Badger (Heron): Sep, 49
Build Your Next Computer—A DIY Guide to Today's PC Technology (Kleinschmidt): Jan, 53
Construction Tips (sidebar to The Rotormapic) (Monroe): Nov, 64
Enhance Your PSK31 Warbling Experience (Skelton): Mar, 52
Features of the Badger (sidebar to Build the Badger) (Heron): Sep, 49
Filtering and Tuning (Silver/Knadle Jr): Feb, 65; Feedback: Oct, 69
Lightning Protection for the Amateur Radio Station, Part 1 (Block): Jun, 56; Part 2: Jul, 48; Part 3: Aug, 53
Never Test a Transistor with an Ohmmeter (McElroy): Jan, 63
Panel Layout with Microsoft PowerPoint (Sepulveda): Dec, 61
PIC Programmers (sidebar to The Rotormapic) (Monroe): Nov, 66

Resources (sidebar to Build Your Next Computer—A DIY Guide to Today's PC Technology) (Kleinschmidt): Jan, 54
The Rotormapic (Monroe): Nov, 62
The Triple-Play Transmit-Receive Switch (D'Antuono): Oct, 60
Traffic/Emergency Communications Crossword (Silver): Mar, 56
What Can You Do with a Dip Meter? (Bradley): May, 65; Feedback: Jun, 69
Who Really Invented the Transistor (sidebar to Never Test a Transistor with an Ohmmeter) (McElroy): Jan, 64

Hints and Kinks
Is Your TNC Driving You Crazy?, (Rexroad): Oct, 64
Long Life for Permanent Push-Masts, (Mollentine): Jan, 67
Making an LED Audible, (Covington): Jul, 54
Measuring an Unknown AF Impedance—Think Again!, (Kaune/Stanley): Jan, 69
Modifying the Yaesu FT-1000/1000D for Digital Mode USB/LSB Operation, (McLellan): May, 71
More on "Goo Removers," (Yoshida): Feb, 68
More on an Antenna Thrust Backup, (Schetgen): Feb, 69
More on Determining Transistor and Diode Leads with an Ohmmeter, (Long): Feb, 68
More on the Astatic D-104, (Heidelman): Jun, 61
RadioShack HTX202 and HTX404 Rechargeable-Battery Replacement, (McDaniel): Feb, 68
Raise Your Push-Up Mast Safely, (Roessler): Jan, 67
Reducing Hiss in the LM-386, (Graves): Mar, 57
Rotating Pegboard Storage, (Malara Jr): Sep, 55
Rotator Gear Protection, (Mollentine): Jan, 68
Salvaging Parts from PC Boards, (Kimber): Nov, 69
Soldering-Iron Controller, (Houbre, Jr): Sep, 56
Stealthy Antenna Wire, (Riley): Jan, 68
Stealthy Ladderline, (Rolek): Jan, 68
Techniques for Weatherproofing Connectors, (Diefenbach): Aug, 56
Techniques for Weatherproofing Connectors, (Ringel/Denton): Aug, 57
TM-D700 (and Others) Mike Extension, (Thomson): Jul, 54
Use a Drip Loop to Keep Water Out, (Karras): Aug, 56
Use Kenwood TS-570 Optional Filters for PSK31, (Kaune): Apr, 64
Using Surplus Meters, (Mitchell): Oct, 63
Winter Antenna Hint, (Rahmel): Jan, 67

Ham Ads
Jan, 156; Feb, 154; Mar, 156; Apr, 132; May, 156; Jun, 140; Jul, 134; Aug, 140; Sep, 144; Oct, 142; Nov, 160; Dec, 154

Hamfest Calendar (Iannone)
Jan, 105; Feb, 105; Mar, 98; Apr, 88; May, 98; Jun, 86; Jul, 81; Aug, 82; Sep, 85; Oct, 87; Nov, 95; Dec, 92

Happenings (Lindquist)
A Win in Kinderhook: ARRL, PRB-1 Credited in Antenna Battle: Aug, 69
Amateur Radio Poised to Gain Two New Bands!: Jul, 61
AMSAT-NA Symposium Draws a Crowd: Jan, 82
Another All-Ham Crew Settles in Aboard the ISS: Sep, 65
ARISS Contract Marks Marconi Anniversary: Mar, 69
ARISS Success Story Continues: Feb, 85
ARISS, Canadian Space Agency Agree to Cooperate: Jul, 62
ARRL Advises FCC to Just Say "No" to Commercial Users at 230-2400 MHz: Jan, 80
ARRL Announces "Big Project" Logo Winner (Chris Cieslak, KC9L): Apr, 75
ARRL Asks FCC to Drop RFID Rules Proposed for 425-435 MHz: Apr, 72
ARRL Asks FCC to Eliminate, "Reform" Novice CW Bands: May, 79
ARRL Field & Educational Services Announces Changes: May, 81
ARRL Honors Its Own for Long Service: Feb, 86
ARRL Hosting Power-Line Interference Workshop: Aug, 70
ARRL Joins American Association of Radio Enthusiasts: Jul, 64
ARRL Legislative and Public Affairs Manager Steve Mansfield, N1MZA, Silent Key: Oct, 71
ARRL Premiers HF Ditital Communications Course: Jun, 73
ARRL President Notes September 11 Anniversary: Nov, 77
ARRL Responds to Implied 222-225 MHz Threat: Dec, 74
ARRL Section Managers "Class of 2002" Complete Workshop: Dec, 75
ARRL VEC Loses Key Team Member to Retirement (Wayne Irwin, W1KI): Sep, 65
ARRL VEC Welcomes Perry Green, WY1O: Dec, 76
ARRL Welcomes New Staff Members (Chuck Skolaut, K0BOG; Howard Robins, W1HSR; Jerry Ellis, WS1K; Debra Johnson): Oct, 73
ARRL Welcomes Stu Cohen, N1SC, to Headquarters Staff: Nov, 80
ARRL, IARU Continue Push for Limits to 70-cm Spaceborne Radars: Dec, 74
ARRL, United Technologies Announce Emergency Communications Initiative: Aug, 67
Big Response to "Big Project" Campaign: Aug, 67
Comments Due February 12 in "Band Threat" Proceeding: Feb, 83
Comments in SAVI Proceeding Bolster ARRL Position: Jun, 70
Dayton Hamvention Picks Emergency Communications Theme: Jan, 82
Dennis Motschenbacher, K7BV, Joins HQ Staff: Jun, 73
Director, Vice Director Races Set in Four Divisions: Nov, 77
E. Laird Cambell, W1HQ, Silent Key: Jul, 63
FCC Gathers Comments on Amateur Radio-Related Petitions: Mar, 67
Final Two Ham Antennas Installed Aboard Space Station: Nov, 80
Florida Man Convicted of Deliberate Interference, Unlicensed Operation: Sep, 64
Georgia to Host 2002 USA ARDF/Radio-Orienteering Championships: Jan, 83
Ham-Sailor Completes the Big Round Trip: Feb, 84
Hiram Percy Maxim Award Presented in California: Dec, 76
"Hollingsworth Era" of Amateur Enforcement Enters Fourth Year: Feb, 82
Incumbent Virginia Section Manager Wins in High-Profile Election: Apr, 73
ISS Crew Chief Adds Some Spice to JOTA: Jan, 84
ISS Gets Two New Amateur Radio Antennas: Apr, 73
League Eyes Congressional Action on CC&Rs: Mar, 67
Michael "Father Mike" Mullen, WB2GQW, Silent Key: Nov, 79
Murphy G. "Murph" Ratterree, W4WMQ, Silent Key: Nov, 79
NASA Extends All-Ham ISS Crew's Duty Tour: Jun, 72
NCVEC Endorses Testing-Via-Videconferencing Trial: Oct, 73
New Hampshire Supreme Court Antenna Decision Boosts PRB-1: Mar, 67
New Mexico, West Virginia Adopt Antenna Legislation: May, 80
New Section Managers Take Office July 1 in Four Sections: Jul, 64
New Southeastern, Southwestern Division Vice Directors Elected: Jan, 79
New York Ham Wins Antenna Lawsuit: Feb, 83
Nominees Sought for ARRL Board of Directors (Sumner): Jul, 65; Aug, 71
Power Line Interference Workshop a Hit: Nov, 80
President Bush Addresses Florida ARES Net: Apr, 72
Professional Media Award Nominations Open: Nov, 81
Repeat Nominating Solicitation (White): Oct, 74; Nov, 82
Rhode Island SM Armand Lambert, K1FLD, Silent Key: Mar, 70
RLAN Spectrum Petition "Fatally Flawed," ARRL Says: Jun, 71
Robert E. Baird, W9NN, Silent Key: Nov, 79
Robert W. Denniston, W0DX/VP2VI, Silent Key: Jul, 63
Section Manager Election Notice (White): Jan, 84; Feb, 87; Apr, 75; May, 82; Jul, 84; Aug, 70; Oct, 74; Nov, 82
Section Manager Election Results: Jan, 81
Shuttleworth Enjoys Busy Week in Space: Jul, 61
Spark Gap Signal Heard for Hundreds of Miles: Mar, 70
Statement of Riley Hollingsworth on Enforcement Anniversary: Feb, 82
"The Big Project" Seeks Additional Pilot Schools: Jan, 78
Three Section Managers Appointed to Fill Vacancies: Feb, 87
United Parcel Service Shifts into Neutral on SAVI 70-cm Proposals: Oct, 71
Vanity Processing May Be Back on Track: May, 81
Vice Director Gauzens Receives Prestigious Award: Jan, 79
W3ZZ to Become New "World Above 50 MHz" Editor: Nov, 81
Wisconsin Governor Signs Amateur Antenna Bill: Jun, 70

FCC News
Broadcast, Utility Asked to Help Cure Weird Interference: Mar, 68
Copps Says FCC Has "A Larger Job" To Do: Jan, 80
FCC Affirms $10,000 Fine in Amateur-Band Pirate Case (David Edwin Merrell): Apr, 74
FCC audit continues into W5YI-VEC California test session: Nov, 78
FCC Chairman Launches "FCC University": Nov, 78
FCC Dismisses EMP Shielding Proposal: Aug, 68
FCC Names Homeland Security Panel: Jan, 80
FCC Nixes FRS Calling Channel Proposal: Apr, 74
FCC Opens Proceedings to Mitigate Orbital Debris: Jun, 71
FCC Opt for Status Quo at 2300 to 2305 MHz: Dec, 75
FCC Proposes Vanity Fee Increase: Jun, 71
FCC Redesigns Amateur Service Web Site: May, 80
FCC Still Singing the Postal Blues: Feb, 84
FCC Takes Tougher Stance Toward Offending Utilities: Oct, 72
FCC to Allow Higher-Power Part 15 Devices at 24 GHz: Mar, 68
FCC Won't Require Date of Birth After All: Jul, 62
Former Ohio ham sentenced in police radio jamming case (Kenneth Kelly, ex-WT2FBI): Apr, 75
Good News, Bad News About Archived Licensing Records: Apr, 74
Higher Amateur Vanity Call Sign Fee Effective September 9: Sep, 64
Kenwood "Sky Command" Petition Put on Public Notice: Jan, 80
Petition for Reconsideration Follows FCC's Denial: Sep, 64
Reallocation Spares 219-220 MHz Amateur Slot: Mar, 68
FCC WRC-03 Advisory Panel Recommends Phased-In Worldwide 7-MHz Band: Sep, 63

**FCC News: Amateur Enforcement**
Amplifiers case highlights certification rules: Jan, 81
FCC completes Georgia ARRL VEC exam session audit: May, 80
FCC initiates inquiry into Tennessee ARRL-VEC exam session: Sep, 64
FCC says band plans do matter: Jan, 81
Enforcement Bureau supports granting Schoenbohm's return bid: Oct, 72
FCC bumps back privileges following exam session audit: Jul, 62
FCC chastises feuding 75-meter occupants: Feb, 85
FCC lets deliberate interference Warning Notice stand (Joseph Brue Jr, K3MN): Feb, 84
FCC modifies sanction in California repeater case: Apr, 75
FCC notification leads to shutdown of uncoordinated repeater (NY4X): Jun, 71
Florida man imprisoned, fined for deliberate interference: Nov, 78
Out-of-the-Ordinary Interference Case Resolved; FCC cites "enforcement issue" in short-term license grant (Sam W. Jacobs, K3SAM): Aug, 68
Repeater? Remote base? FCC orders California system shut down: Dec, 75
Schoenbohm, Mitnick applications designated for hearings: Mar, 69

**In Brief**
FAR announces 2002 scholarships; Vote on QST Cover Plaque Award (October, Nick Powell, NH6ON): Nominations sought for ARRL instructor, recruiter, educators awards: Jan, 83
Vote on QST Cover Plaque Award (November, Paul Shuch, N6TX): FCC only accepting newer Forn 159; G3AQC spans the Atlantic on 73 kHz; Amateur Radio Trader calls it quits: Feb, 87
Vote on QST Cover Plaque Award (December 2001 to Joe Taylor, K1JT): DARA announces 2002 scholarships; ARRL reminds FCC of "legacy" amateur microwave allocation: Mar, 70
W6DPD appointed San Joaquin Valley SM; Body of amateur lost in World Trade Center collapse located (Robert D. Cirri Sr, KA2OTD, Silent Key): Vote on QST Cover Plaque Award (Jan 2002, Dick Stroud, W9SR, "Six Meters from Your Easy Chair," Vote on QST Cover Plaque Award (Feb 2002, Brian Wood, W0DZ, "The Return of the Slide Rule Dial"); YHOTY nominations are open: May, 82
N9SH is Illinois' once and future Section Manager; K8OCL to chair ARRL's High-Speed Digital and Multimedia Working Group; ARRL represented at annual NVOAD conference: Jun, 73
2003 ARRL National Convention set for Texas; Dayton Hamvention attendance dips again in 2002; Vote on QST Cover plaque Award (April winner James C. Garland, W8ZR; May winner Matt Kastigar, W0XEU; June winner Ron Block, KB2UYT); ARRL offering satellite communications course; ARRL Outgoing QSL Service tops one million cards for 2002; Antarctic ledge named after amateur (Larry Skilton, K11ED); ARRL 2001 Annual Report is available: Sep, 66
ARRL technical relations manager participites in FCC workshop; New Sacramento Valley SM announced (Jettie Hill, W6RFF); Vote on QST Cover Plaque Award (July, Hal Kennedy, N4GG, August Declan Craig, EI6FR); The end of the line for Radio Amateur Callbook; W1HQ assigned to HQ Operators Club: Nov, 82
Vote on QST Cover Plaque Award—September to Ian Poole, G3YWX; Vintage 1AW QSL brings record price; Corporate award winner donates award scholarship to ARRL; New West Texas Section Manager named—John Dyer, AE5B; NASA names Whitson first ISS science officer; KB5HAV appointed assistant manager of Hurricane Watch Net: Dec, 77
How's DX? (McClenny, Jr)
A Micronesian Adventure—The Story of T88ZZ/V63RF (Buscaglia): Jul, 69
Afghanistan: Feb, 92
ARRL Web Site: May, 88
Ducie Island: Feb, 92
Ducie Island: The Birth of a New DXCC Entity and the ARRL DX Advisory Committee: Mar, 80
DX Cluster Network: Nov, 85
DX News from Around the Globe (3X—Guinea): Jan, 89
DX News From Around the Globe (3W—Vietnam; 7Q-Malawi; 9L-Sierra Leone): Feb, 93
DX News from Around the Globe: Apr, 86
DX News from Around the Globe (DU—Philippines; F—France; KH1—Howland Island; Northern Europe; P5—North Korea; TN—Congo): May, 88
DX News from Around the Globe: Jun, 80
DX News from Around the Globe (9M6—East Malaysia; African Tour; Carribean DXpedition; DU—Philippines; HK0—San Andres and Providencia; GJ—Jersey; HP—Panama; JT—Mongolia; LU—Argentina; RSGB International HF and IOTA Convention 2002; South Pacific Tour; TK—Corsica; V6—Micronesia; W9DXCC; WRTC; ZK1—Cook Islands; ZL7—Chatham Islands): Sep, 70
DX News From Around the Globe: Oct, 77
DX News from Around the Globe: Nov, 85
DXpeditions and Manners: Apr, 85
DXtravaganza II (McCleny, Jr): Jun, 80
First Time Activation of a DXCC Entity: Dec, 80
Ham-Com DXravaganza II: Sep, 70
Jawboning: Feb, 92
Low Band Frequencies: May, 88
More on the Pileups and Behavior: May, 87
New DXCC Entity—Ducie Island: Jan, 89
North Korea Now on the Air: Feb, 91
Out of the Band? (Richards): Oct, 77; Feedback: Dec, 73
PIARA Annoucnces Ducie Island DXpedition (Christian): Feb, 93
Safari DXpedition (McCleny, Jr): Jun, 79
Some Thoughts from the Other Side of the Pile-Up (Sawyer): Jan, 88
Those Blank QSL Cards (Burger): Oct, 77
XW1HS Lao-Thai Friendship DXpedition April 10-19, 2002 (Muangamphun): Aug, 78

Index of Advertisers
Jan, 174; Feb, 174; Mar, 174; Apr, 158; May, 174; Jun, 158; Jul, 158; Aug, 158; Sep, 158; Oct, 158; Nov, 174; Dec, 174

It Seems to Us (Sumner)
2002: A Challenging, Exciting Year: Dec, 9
A Season To Remember: Apr, 9
Development for the Future: Feb, 9
Ever Upward: May, 9
Field Day 2002: Jun, 9
Forty Meter Update: Jan, 9
Off-the-Air Amateur Radio: Nov, 9
Progress on 40 Meters: Jul, 9
Radio Smog: Oct, 9
The Maxim Memorial Station, W1AW: Sep, 9
The Right Program at the Right Time: Aug, 9
What Belongs in QST?: Mar, 9

Microwavelengths (Williams)
Getting on the Microwave Bands: Sep, 80
Gunplexers: Mar, 96
Low Power, Great Signals: Nov, 90
Microwave Antennas: Jul, 76
Microwave Organizations (sidebar to Microwavelengths: Getting on the Microwave Bands): Sep, 81
The Transverter (Williams): May, 93
Welcome to the first "Microwavelengths" column: Jan, 94

Old Radio (Dilks)
A 1927 TGTP Transmitter: Jan, 96
August Hamfest: Aug, 77
Comment from January 1949 QST (sidebar to Old Radio: The Black Box): Nov, 94
Displaying Your Collections: Mar, 88
"The Flight of the Century": Jun, 85
Ham TV in 1930: Oct, 82
Hamfest Season: Mar, 89
It's a Heathkit Time of the Year: Dec, 85
Learning the Code: Feb, 100
The 1937 Haynes RSR Clipper: Aug, 77
The Black Box: Nov, 94
The First "YL" (Marion Adaire Garmhausen, 3BCK): Sep, 76
The Harvey-Wells Bandmaster: Jul, 78
The National NC-81X: Apr, 90
Tube Lore: Ludwell Sibley, KB2E VN: May, 92
Tube Lore: The Famous 813: May, 92
Tube Lore: Tube Collectors Association: May, 92
Op-Ed
A Solution to HF Digital Chaos? (Teller): Sep, 53
Defeating Covenants Requires Positive Strategy
(Alderman): Mar, 94
In Search of Amateur Innovation (Lapin): Nov, 101
The Day QST Lost Some Magic (Samuelson): Dec, 89

Operating (Henderson)
2001 ARRL 10 GHz and Up Cumulative Contest
Results: Mar, 115
2001 ARRL August UHF Contest Results: Feb, 111
2001 ARRL International EME Competition Results:
May, 106
2001 ARRL June VHF QSO Party Results: Jan, 109
2001 ARRL November Phone Sweepstakes Results
(Taylor): Jul, 91
2001 IARU HF World Championship Results: Mar,
104
2001 Simulated Emergency Test Results (Ewald):
Jul, 87; Oct, 76
2002 ARRL 10 GHz and Up Cumulative Contest
Rules: Jul, 96
2002 ARRL 10-Meter Contest Announcement: Nov,
114
2002 ARRL 160-Meter Contest Announcement: Nov,
114
2002 ARRL International DX Contest Phone Results
(Silver): Nov, 106
2002 ARRL International DX CW Contest Results
(Robbins): Oct, 92
2002 ARRL International EME Competition Rules
(Ewald): Sep, 104
2002 ARRL International EME Competition Rules:
Sep, 103
2002 ARRL June VHF QSO Party Rules: May, 110
2002 ARRL November Sweepstakes Rules: Oct, 100
2002 ARRL RTTY Roundup Results (Townsend):
Sep, 90
2002 ARRL September VHF QSO Party Rules: Aug, 94
2002 IARU HF World Championship Rules: Apr, 96
2002 January VHF Sweepstakes Results (Hoffman):
Aug, 90
2002 January VHF Sweepstakes Results (Ach): Aug, 90
2003 ARRL International DX Contest
Announcement: Dec, 95
2003 ARRL RTTY Roundup Announcement: Dec, 94
ARRL Field Day 2002 Rules: May, 108

ARRL January VHF Sweepstakes Announcement:
Dec, 95
ARRL Straight Key Night 2003 Announcement: Dec,
94
Be Ready to Respond (sidebar to Test Emergency
Skills in SET) (Dorn): Sep, 104
Changes to the 2002-2003 ARRL General Contest
Rules: Nov, 105
Expanded 2002 International DX CW Contest
Results Available on ARRLWeb (sidebar to 2002
ARRL International DX CW Contest Results):
Oct, 92
Expanded ARRL Contest Results Now On-Line
/sidebar to Results, 2001 ARRL November CW
Sweepstakes): Jun, 94
GOTA: The Get On The Air Station (sidebar to
IARU Region 2 Invited to Participate Fully in Field
Day 2002 (sidebar to ARRL Field Day 2002
Rules): May, 109
Jamboree on the Air 2002 (Wolfgang): Sep, 100
Kid's Day Rules (Wolfgang): Dec, 96
Results, 2001 ARRL 10-Meter Contest: Sep, 93
Results, 2001 ARRL November CW Sweepstakes
(Thompson): Jun, 92
RTTY Roundup Plaque Program (sidebar to 2002
ARRL RTTY Roundup Results) (Townsend): Sep,
91
School Club Roundup 2002 (Malchick): Sep, 101
September 2001 VHF QSO Party Results: Mar, 110
Straight Key Night 2002: Apr, 95
The 15th Annual School Club Roundup: 2002
(Wolfgang): Jan, 115
The 2001 ARRL 160 Meter Contest Results
(Roberts): Aug, 95
The Best Kid's Day Ever! (Wolfgang): Dec, 96
The New Look of ARRL Contest Results: Nov, 104
Welcome to the ARRL Field Day Online Soapbox
/sidebar to Welcome to the Field Day Zone—
ARRL Field Day 2002): Dec, 97
Welcome to the Field Day Zone—ARRL Field Day
2002: Dec, 97
Worldwide Scout Frequencies (sidebar to Jamboree
on the Air 2002) (Wolfgang): Sep, 100

Organizational
2001 ARRL International Humanitarian Award
Winner (Jim Hirschman, K4TCV) (Wolfgang):
Jun, 46
2001 Award Winners (Ford/Wolfgang): Oct, 45
Amateurs Visit Cocaeli Club—TA2KI—Izmit,
Turkey (sidebar to World Telecommunication
Development Conference 2002 and Amateur Radio) (Price): Jun, 49
ARRL 2002 Technical Awards Call for Nominations (sidebar to 2001 Award Winners) (Wolfgang): Oct, 47
ARRL Humanitarian Award (Dr Jim C. Hirschman, K4TCV) (sidebar to The 2002 Annual Meeting of the Board of Directors) (Patton): Mar, 60
ARRL Presents…The Diamond Club (Hobart): Nov, 48
Awards Conveyed (sidebar to The 2002 Second Meeting of the Board of Directors) (Patton): Sep, 42
Board-Approved Novice Spectrum Proposal (sidebar to The 2002 Annual Meeting of the Board of Directors) (Patton): Mar, 61
Circulation Statement, Statement of Ownership, Management, and Circulation: Nov, 164
FCC Commissioner Martin Addresses WTDC-02 (sidebar to World Telecommunication Development Conference 2002 and Amateur Radio) (Price): Jun, 48
Great Lakes Division Leadership Changes (sidebar to The 2002 Second Meeting of the Board of Directors) (Patton): Sep, 43
Moved & Seconded: 2002 Annual Meeting of the ARRL Board of Directors, January 18-19, 2002 (Sumner): Mar, 63
Season's Greetings: Dec, 62
Section News: Hot Off the Press and Close to Home (Ford/Ewald): Jun, 51
Summary of Major Board Actions (sidebar to The 2002 Annual Meeting of the Board of Directors) (Patton): Mar, 60
Summary of Major Board Actions (sidebar to The 2002 Second Meeting of the Board of Directors) (Patton): Sep, 42
The 2001 Bill Leonard, W2SKE, Professional Media Award (Michaelangelo Conte) (sidebar to The 2002 Annual Meeting of the Board of Directors) (Patton): Mar, 61
The 2002 Annual Meeting of the Board of Directors (Patton): Mar, 59
The 2002 Second Meeting of the Board of Directors (Patton): Sep, 41
The ARRL Frequency Measuring Tests (Silver): Oct, 51
What the Heck is Zero-Beat? (sidebar to The ARRL Frequency Measuring Tests) (Silver): Oct, 53
World Telecommunication Development Conference 2002 and Amateur Radio (Price/Siverling): Jun, 47

Our Cover
"Micro-Lite" visit to South Sandwich and South Georgia Islands (Grolleman): Aug, 5
6-meter season: Apr, 5
Cross-country bike tip; fishing adventure; expedition to a remote Maryland island (Smith Island); easy-to-build 20-m antenna: Feb, 5
Field Day Fun: Jun, 5
Hams congregate at Oshkosh—the "Dayton" of private aviation: Nov, 5
Log Periodic Antennas (Jones): Sep, 5
Montana's Big Sky (Shive): Jul, 5
The W8ZK EZ-Tuner: May, 5
USA Direction Finding Championships (Dave D'Epagnier, K0QE): Mar, 5
Vintage Radio (Dilks/Klase): Jan, 5
World Radiosport Team Championship: Oct, 5

Product Review
ACOM 1000 HF + 6-Meter Linear Amplifier (Wilson): Nov, 70
Alinco DJ-296T 222 MHz VHF FM Transceiver (Henderson): Nov, 72
Alinco DJ-596T Dual-Band FM/Digital Hand-Held Transceiver (Horzepa): Jun, 63
Alinco DJ-X2000 Wide Range Scanning Receiver (Price): Apr, 65
Force 12 Sigma-5 Five-Band Vertical Dipole Antenna (Bottiglieri): Oct, 67
ICOM IC-746PRO HF/VHF Transceiver: May, 72
ICOM IC-756PROII HF/6-Meter Transceiver: Feb, 70
ICOM IC-V8000 VHF FM Transceiver (Ford): Jul, 55
ICOM PS-125 Power Supply (Ford): Sep, 62
Kenwood UT-20 1.2 GHz Module for the TS-2000 (Williams): Sep, 57
Low-Pass Filter Roundup: Gold Line 1089; Gold Line 1089S; Vectronics LP-30; Vectronics LP-2500; Nye-Viking 020-001; Kenwood LF-30A; MFJ-704; Bencher YA-1 (Ford): Aug, 62
M 23CM22EZA 1.2 GHz Antenna (Jansson): Sep, 59
Maha MH-C777 and MH-C777PLUS Battery Chargers (Stuart): Mar, 75
MFJ-1275 Sound Card Radio Interface (Ford): Jun, 67
MFJ-890 DX Beacon Monitor (Price): Dec, 70
Palstar R30 Shortwave Receiver (Price): Nov, 74
QST Compares HF/VHF Wattmeters (Diamond SX-200; Diamond SX-20C; Palstar WM150; Daiwa
CN-101L; Daiwa CN-410M; Vectronics PM-30; MFJ Enterprises MFJ-860) (Ford): Jul, 57
RadioShack HTX-420 Dual-Band Handheld Transceiver (Henderson): Dec, 68
Ranger Communications RCI-5054DX 6-Meter Transceiver (Bottiglieri): Mar, 71
Solicitation for Product Review Equipment Bids:
Ameritron ALS-600; AOR TDF-370; ICOM IC-V8; Ranger Communications RCI-2970DX; Ten-Tec Model 416 Titan II; Ten-Tec Model 526 6N2; W2IHY Technologies 8-band audio equalizer; Yaesu FT-7100M): Jan, 77
WiNRADiO WR-1550i Computer-Based Communications Receiver (Arland): Jan, 70
Yaesu FT-1000MP Mark-V Field HF Transceiver: Aug, 59
Yaesu FT-8900R Quad Band FM Transceiver (Carcia): Dec, 65
Yaesu FTV-1000 6-Meter Transverter (Patton): Feb, 76
Yaesu VL-1000 Quadra Linear Amplifier (Wilson): Jan, 74
Yaesu VX-7R Handheld Transceiver (Price): Oct, 65

Product Review: Going Once, Going Twice, Solicitation for Product Review Equipment Bids
ICOM IC-756PROII; ICOM IC-R3; Kantronics KAM XL; Kenwood TH-F6A; WiNRADiO WR-1550i; Yaesu FTV-1000; Yaesu MARK-V FT-1000MP; Yaesu VL-1000; Yaesu VR-5000): Apr, 69
Alinco DJ-X2000; ICOM IC-V8000;Yaesu FT-7100M; ICOM PS-125; Kenwood TS-2000 with UT-20; Palstar R30; Yaesu VX-7R; Alinco DJ-296T; ICOM IC-746PRO; ACOM 1000; Ranger RCI-2970DX: Nov, 76

Public Service (Ewald)
50th Anniversary of RACES: Sep, 68
A New Season for Public Service Honor Roll: Apr, 77
A Thanksgiving to Remember (Hathaway): Mar, 77
Additions to 2001 SET Results: Oct, 76
Amateur Radio and the Hayman Fire (Ryan): Dec, 78
Amateur Radio at the National Hurricane Conference: Jun, 77
Amateur Radio on Scene in Maryland: Jul, 68
Amateur Radio Operations during Hurricane Michelle (sidebar to CARMEN) (Ripoll): Jan, 87
ARES/RACES and Wildland Communications (Hall): Sep, 67

ARES/RACES Respond to New Mexico Fires (Sohl): Jun, 77
BPL Qualification Clarification: Mar, 78
CARMEN (McHugh): Jan, 85
Communications Academy 2002: Mar, 78
Coordination by Council: Sharing Ideas to Strengthen Emergency Response (Jeffers): Aug, 72
EMCOMM 2002: Apr, 77
EMCOMM 2002 a Success (Boyd): Jul, 67
Hams Support Relief Efforts in New York City Airline Crash: Feb, 89
Hardrock 100 Mountain Run (Hine): May, 83
National Weather Association's Walter J. Bennett Public Service Award winners: Bill Read, KB5FYA; Jim Robinson, K5PNV; Mike Fleifel; Robert Timmons, KDSHCR: Mar, 79
NTS Messages and Field Day: Jun, 78
NYSSPTEN's 50th Anniversary: May, 85
OF Hounds and Hams (Ratchford): Oct, 75
Public Service Honor Roll Criteria: May, 85
SCCA Pro-Rally—Northwest Style (Chambers): Jul, 66
The Walk for Hunger Boston (DeMattia): May, 84
Xtreme! In More Ways Than One (Niemuth): Feb, 88

QRP Power (Arland)
Any Day You're Vertical is a Good Day!: Jul, 74
Atlanticon 2002: Aug, 80
Camaraderie in North Georgia: May, 96
Lust at First Sight: Jun, 84; Feedback: Aug, 58
My Mistress, the FT-817: Nov, 92
NCJ: May, 96
New Multiband HF Antenna: Sep, 82
Photo: NJ QRP Club PSK Warbler/Bird House (Kevin McCauley, KB3EJM): Oct, 81
Potpourri: Passive CW Filters; QRP Awards—QRP DXCC/QRPp 300 Award; QRP Contest Program: May, 95; Feedback: Aug, 58
Prolog (Thoughts): Mar, 83
PSK31: HF Fun and Excitement!: Feb, 103
QRP Philosophy: Oct, 81
QRP Power Vintage QRP: Apr, 84
Testing, Testing…: Dec, 88
The Elecraft K1 Transceiver Kit: Jan, 100
Tropical Storm Barry Proves "Minimalist Radio" Works in Emergencies, Too: Mar, 82

Radios To Go (Burch)
An RFI Odyssey: May, 86
And So It Goes…: May, 86
Bolts To Go: May, 86
Keeping Your Distance (Frank): May, 86
Mobile Installation: May, 86
Prepared. A state of readiness : Jan, 98
TSB or not TSB: May, 86

Section News
Jan, 117; Feb, 113; Mar, 117; Apr, 97; May, 111;
       Jun, 97; Jul, 97; Aug, 103; Sep, 105; Oct, 101;
       Nov, 115; Dec, 107

Short Takes (Ford)
ACE-HF: Nov, 67
Electric Radio Antenna Tuning Meter: Apr, 58
Gowin: Sep, 52
Honda EU2000i Generator (Perrin): Nov, 61
KAM XL Multimode Communications Processor:
       Mar, 55
NuMorse Professional version 1.20: Sep, 54
The RIGrunner: Oct, 59
Timewave Technology PK-232/PSK Upgrade
       (Mayfield): May, 64
Two from IZ8BLY: Stream and VOX Recorder: Jan,
       65
UI-View: Feb, 66
WIRES: The New Vertex Standard Repeater
       Interlink (West): Jun, 55

Silent Keys
Jan, 103; Feb, 107; Mar, 100; Apr, 91; May, 102;
       Jun, 88; Jul, 83; Aug, 85; Sep, 83; Oct, 83; Nov,
       99; Dec, 90

Special Events
Jan, 108; Feb, 110; Mar, 103; Apr, 94; May, 105;
       Jun, 91; Jul, 86; Aug, 88; Sep, 87; Oct, 91; Nov,
       103; Dec, 92

The Doctor is IN
Jan, 51; Feb, 60; Mar, 50; Apr, 56; May, 62; Jun, 53;
       Jul, 46 Feedback: Sep, 88; Aug, 51; Sep, 47; Oct,
       57; Nov, 59; Dec, 59

Help Desk (Column)
ARRL Incoming DX QSL Bureau Addresses (sidebar
to The ARRL Incoming QSL Bureau System):
       Mar, 58
The ARRL Incoming QSL Bureau System: Mar, 58
The ARRL Outgoing QSL Service: Apr, 62
The Considerate Operator's Frequency Guide: Jan, 66
US Amateur Bands: Jun, 60

The World Above 50 MHz (Pocock)
135 cm—The Neglected Band: Aug, 74; Feedback:
       Oct, 80
144-MHz Standings: Jun, 82
222-MHz Standings: Aug, 76
432-MHz Standings: Sep, 75
50-MHz Standings (Zimmerman): Dec, 84
6-Meter Black Holes Fill In: Mar, 84
A Day in the Life of 6 Meters: Feb, 94
Cycle 23 Resurges: Jan, 90
EME Annual Standings: Mar, 87
Entering a Golden Age of VHF (Zimmerman): Dec,
       82
Fall Prospects: Oct, 79
Four Microwave Records in 2001: Apr, 81
Here and There (September VHF Contest; New 24
       GHz North American Record) (Zimmerman): Dec,
       84
JT44: New Digital Mode for Weak Signals (Taylor):
       Jun, 81
Microwave News: Initials at 241 and 322; 47-GHz
       Record in England: Mar, 87
Microwave Standings: Jan, 92
Record Keeping: Jul, 72
The Future of the World Above 50 MHz: Nov, 87
The Problem with DX Records: May, 89
What is a Contact?: Sep, 73

Notes from All Over
New Beacons; Grid Chase on the Web: Jan, 93
New North American 47-GHz Distance; World 75-
       GHz Record: Feb, 97
Pacific Northwest VHF Conference; First W/K 6-
       meter WAJA Award?; SWOT Bulletin: Aug, 76
Weekend Moon Data: Mar, 87

On the Bands
Aurora; Tropo; Six Meters; Microwave Perseverance
       (Zimmerman): Dec, 83
Leonids Storm; Aurora: Feb, 96
Six Meter DX; K6LMN Escapes from a Black Hole; KG0VL Revels in the Subarctic; Everything Else: Apr, 81
Six Meters from the US; Six Meters from Europe and Elsewhere; 144 MHz Sporadic E; Auroral and Auroral E; Meteor Scatter; Tropospheric Ducting into the Microwave Region: Nov, 88
Six Meters; 144 MHz and Higher; Activity Nights: Aug, 75
Six Meters; 432-MHz Meteor Scatter: Mar, 85; Feedback: Apr, 83
Six Meters; Expedition Results: Oct, 80
Six Meters; Six-Meter DX; Two Meter Sporadic E; Microwaves: Sep, 74
Six-Meter DX; Aurora; More 24-GHz EME Tests: Jan, 90
Six-Meter DX; JT44 Digital Activity; 24 GHz EME; CQ World Wide VHF Contest: Jul, 73
Six-Meter DX; Microwaves: May, 90; Feedback: Aug, 76
Six-Meter DX; WSJT Activity; Microwaves: Jun, 82; Feedback: Aug, 76

VHF/UHF/Microwave News
Central States VHF Society Call for Papers; Welcome back, CQ VHF; Italian EME Contest; Transatlantic 2-Meter Beacon: May, 91
Leonids Meter Storm: Nov, 89
European Worldwide EME Contest; East Tennessee DX Association VHF/UHF Sprints; Southeastern VHF Society Conference: Apr, 83
New Microwave Column; Winter Contest: Jan, 93
SETI Technical Symposium: Mar, 87
SMIRK 6-Meter Contest; 1296-MHz EME Beacon; International EME Conference: Jun, 83

VHF/UHF Century Club Awards
Feb, 97; Apr, 46; Jun, 83; Aug, 76; Oct, 78; Dec, 56

W1AW Schedule
Jan, 104; Feb, 108; Mar, 101; Apr, 92; May, 103; Jun, 89; Jul, 84; Aug, 86; Sep, 84; Oct, 84; Nov, 100; Dec, 91

Washington Mailbox
A Tale of Two Preemption Policies (Price): Mar, 90

Test Your Knowledge!
Tests Test (Silver): May, 69

YL News (Ortiz)
2002 YLRL Convention: Apr, 79
Hey, YLs—Look at This!: Oct, 85
Indiana YL Brings Ham Radio to her Eighth Grade Classroom (Amanda Rudicel, W9JOY): Feb, 102
The 33 Award: Feb, 102
What is the YLRL?: Apr, 80
YLE Contests: Oct, 85
YL DX expeditions: Oct, 85
YLEs in YK (Luetzelschwab): Jul, 71

Correspondence
10 Times Better! (Rosson): Apr, 24
60 Years and Counting (Pittman): Nov, 24
67 Years and Counting (McIntyre): Oct, 25
A Case for 5-2 (Shaw): Jul, 24
A Time to Reconnect (Cain): Oct, 25
Accessible Gear (Rothermel): Jul, 25
Alive and Well (Dell): Jul, 25
Americanism at Work (Elder): Jun, 24
Antenna Restrictions (Loflin): Dec, 24
ARES Needs Help (Piper): Mar, 24; Feedback: May 2002, 78
Bandwidth Conflict to Come? (Martinez): Jun, 24
Best 73s (Witkowski): Aug, 25
Bravo to the Micro-Lite Group (Tinker): Nov, 24
CC&Rs: Your Results May Vary (Ringer): Apr, 25
Closure (Califf, Sr): Aug, 24
Cops (Hunt): Jun, 24
CORES Made Easy (Harding & Tavan): Jan, 24
Covenants—Fait Accompli (Cohen): Jun, 24
Crustacean Airs His Views (Raney): Sep, 25
CW = Fun (Seyboldt): Nov, 25
CW Ops Enjoy Ham Radio (Hall): Apr, 24
CW—Digital Protocol (Beeman): Apr, 25
Do We Need CW? (Nash & Hicks): Feb, 25
Doing Our Part (Yahn): Jun, 25
Easing the Learning Process (Hoitt): Jul, 24
Engraving Gear (Shryne): Apr, 24
Everyone Should Help Advertise (Levin): Oct, 24
Excellent Work (Huff): Feb, 24
Eye Bank Net (Lehman): Dec, 90
FCC Site Works! (Geisel & Novy): Mar, 25
Field Day Proposal (Hamel): Apr, 25
Finding Meteors (Northcott): Aug, 25
First Field Day (Hart): Oct, 25
Further on Winlink 2000 (Waterman): Nov, 24
Furthering the Radio Art (Funderburk): Mar, 24
GOTA Stations Work! (Botkin): Sep, 24
Hang in There, Steve (Applegate & Bleue & Field & Poskus): Jan, 24
Happy Anniversary, OMIK (Kelly): Dec, 24
Have We Lost "The Basics"? (Brown): May, 24
He's Back (Doenges): Dec, 24
HF E-Mail Alternative (Huenemann): Aug, 25
How About Software for Macs, Linus? (Neimers):
   Oct, 24
I'm Guilty (Danzer): Dec, 24
It Pays to be an ARRL Member (Grider): Jun, 25
It's What's Inside that Counts (Lott): Feb, 25
Keep CW Alive! (McAleer): Nov, 25
Keep Learning (Home): Nov, 24
Keep the Code (Bertram): Jan, 24
Kudos (Masson): Mar, 25
Kudos to the Fire Fighters (Piper): Nov, 25
Learn About DX Via the Web (Moore, Sr): Sep, 25
Let Our Good Works Be Known (Lippitt): Sep, 24
Let's Go Back to the Fun (West): Feb, 24
Let's Have More Brute-Force Pileups (Scheinberg):
   Nov, 24
Lifetime of Learning (Kuwahara): Jul, 25
Lightning Detector Passes Muster (Minchen): Oct, 25
Messed Up (Gordon & Leclere): Jan, 25
More on the NVIS (Picard): Dec, 25
Moxon Rectangle—Keep it Quiet (Jibouleau): Oct, 25
Older is Better (Kolinsky): May, 24
On Loops (Williams): Sep, 24
Poor Image (Brown): Feb, 24
Progress? (Hannon): May, 25
Progress? (Jones Jr): May, 25
QPR DXCC (Richardson): Sep, 25
Radio Row Renaissance (Westgard): Mar, 25
Radio Smog (Lewis): Dec, 25
Resolving RFI (Deluca): Oct, 24
Right to Bar Antennas? (Abbott) (reply Cohen): Aug,
   24
Shame! (Thunman): Mar, 24
Software Radio (Bross & Erbaugh & Leggett): Dec,
   24
Special Events Woes (Anderson): Mar, 25
Tears of Joy and Pride (Cote & Pittman): Jan, 24
Temporal Mechanics? (Taylor): Mar, 25
Terminally Shy? (Rippey): Feb, 24
Thanks (Battle & Troyer): Sep, 25
Thanks! (Lett & Little): Jun, 24
The Dark Side of the Moon (Wingstedt): Dec, 25
The Heartbreak of RFI (Deluca & Dujenski): Aug, 24
The NVIS Antenna (Craske & Erdman): Oct, 24
Those Dirty Deeds (Maynard): Jul, 24
Time to Upsize (Gruteke): Feb, 24
TNX L1AR (Bird & Rossmiller): May, 25

To Code or Not to Code (Hamlin & Hiller): May, 24
TR-22 Memories (Bedore): Mar, 24
Virtual Larger Riggs (Wilson): Apr, 24
Warm Reception (Kamman): Apr, 24
What is a Contact? (Brenner): Nov, 24
ZZ is Tops (Vandermay): Feb, 24

New Books
Independent Energy Guide—Electrical Power for
   Home, Boat & RV (Kevin Jeffrey): Nov, 76
Kentucky Farmer Invents Wireless Telephone! But
   was it Radio? Facts and Folklore about Nathan
   Stubblefield (Bob Lochte): Feb, 51
Power Supply Cookbook (Marty Brown): May, 52
The Hannibal Files (Bryan A. Bisley, VE7FH): Jan,
   47
Wireless: From Marconi's Black-Box to the Audion
   (Sungook Hong): Sep, 37

New Products
2002 Catalog from Antique Electronic Supply: Jan,
   114
30-MHz Locking Programmable Oscillator from
   Novatech (LP030): Nov, 96
A Tiny QRP Keyer Paddle from MFJ (Model 561): 
   Jun, 88
A Window-Mount "Apartment Antenna" from MFJ
   (Model 1622): Nov, 93
Alinco's DJ-596 Dual-Band Hand-held Supports
   Digital Voice Communication: Feb, 107
Atomic Clocks from MFJ (121, 122, 124, 130RC):
   May, 110
Cellmate EX Antenna Analyzer: Nov, 96
Compact 30-A Switching Power Supply from
   DAIWA (SS-330W): May, 46
Compact Zerobeat Indicator Kit from Jackson Harbor
   Press (Son of Zeroheat): Sep, 83
Custom Radio Covers: Mar, 49
Deluxe Cleartone Communications Speaker from
   MFJ (Model 385): Sep, 46
Digital-Mode Sound Card Interface from MFJ (MFJ-
   1275): May, 78
Digital-Mode Sound Card Software from MFJ
   (RadioCom 4): Jun, 54
Elecraft EC1 and EC2 Custom Project Enclosures:
   Jan, 114
Emergency/Net Logging Software from N3FJP: Nov,
   96
Ethernet Opto Input Module from J-Works (JNT-
   36XX): Feb, 64
Extech's True RMS Autoranging Multimeter (Model 22-816): Nov, 103
Field Service Tool Kit from Xuron (TK2100): May, 34
"Final Mile" Self-Supporting Tower Series from Rohn: Oct, 62
Finger Tip Tapper Iambic Key: Apr, 55
Flexible, Miniature Triaxial Video Cable from Nemal (model 1839): Feb, 107
Fluidmotion Introduces SteppiR Adjustable Vertical: Sep, 43
Fluidmotion SteppIR Remotely Adjustable Antennas: Jan, 116
Four-Band Module for the Elecraft K1 Transceivers (KFL1-4): Jan, 77
General-Purpose, Two-Channel Amplifier/Attenuator from TDL Technology (Model 439): Nov, 93
Ham Radio Wristwatches from MFJ (Models 182, 184): Jul, 39
HAMCALC Version 58 (Murphy): Jul, 39
HamCall DX Spots: Nov, 96
Handmade Keyer Paddles from I2RTF (Begali): Oct, 54
Handy Mini Compressor from Campbell Hausfeld (model FP2003): Sep, 43
High-Performance Microphone Preamp from TDL Technologies (401): May, 68
High-Performance Microphone Preamp from TDL Technologies (Model 401): Jun, 39
High-Voltage Can Capacitors from CE Manufacturing (twist-lock): Nov, 93
Improved LC Meter from Antennex (LC Meter IIB): Jan, 114
Indoor 2.4-GHz Antenna from Antennex: Feb, 32
Internet-Based Ham Radio Instruction: Nov, 38
K1BV's DX Awards Directory—Printed or Online (Melinosky): Feb, 32
Klingenfuss Frequency Guides for 2002: Apr, 46
Lightweight Vertical Antenna from MDJ (Model 1795): Aug, 39
Lineman Telephone Line Simulator from Digital Products Company (LM-001F): Aug, 35
Log Windows to Support ARRL's "Logbook of the World" System: Jun, 88
Log-Periodic Dual-Band Antenna from Elk Antennas: Dec, 34
Long-Lasting Contact Cleaner from CAIG Labs (DeoxIT): May, 34
Low-Resistance Trench Power MOSFETs from IXYS (IXUC100N055; IXUC200N055; IXUC160N075): May, 59
LPT-2250 Spectrum Analyzer: Mar, 89
Maha MH-C777PLUS-II Digital Battery Charger, Analyzer and Conditioner: Aug, 35
MFJ's "DX Beacon" Real-Time Propagation Monitor (Model 890): Nov, 38
MFJ's New Boom Mike (288 Neckset): Jul, 39
MFJ's Pocket-Size Code Reader Needs No Cables (Model 461): Apr, 43
Midland's F-10 FRS Mini Radio: Feb, 64
Midland's F-12 FRS Mini Hand-Held: Jan, 61
"Mini Bugcatcher" Mobile Whip from MFJ (model 1624): Sep, 83
Miniature Switching Power Supply for FT-817 and Other QRP Rigs (4103): May, 68
Miniature Trimmer Capacitors from Voltronics (A4-series): Sep, 46
Minuteman 20 Portable HF Antenna: Sep, 40
Motron IRX-1 Infrared Relay Remote Control: Aug, 35
Multiband Antennas for the FT-817 (Walkabout 1899T): May, 59
NCS Offers Accessory Switcher, Patch Panel (models 3240 and 3400): Sep, 75
New 50-ohm Coax from Cable X-perts (CXP1318FX): Oct, 39
New Am-Com Automatic Screwdriver Antenna Controller: Mar, 49
New IIX Equipment Catalog (Y-17 Millennium Catalog): May, 104
New PKTerm Supports PSK31 and Timewave PK-232 (PKTerm '99 v1.5): Jan, 114
Newnes Dictionary of Electronics: Jul, 39
North American QSO Party Logging Software from N3FJP: Nov, 105
NuTest Exam Software for Windows: Nov, 102
On Air Illumination Sign: Mar, 103
OptiBeam Antennas Introduces the OB6-3M: Aug, 29
PathFINDER Digital Automatic Antenna Tuner: Apr, 61
Plasma Discharge Lightning Arrestor from Nemal (NE9960 series): Nov, 66
PM Components to Distribute Svetlana Vacuum Tubes: May, 59
Pocket-Size Travel Keyers from MFJ (Model 403): Jun, 39
Portable Ground-Coupled Antenna Mount from MFJ (Model 4004): Oct, 35
Power Port "Radio Glove" for Yaesu's VX-7R Hand-Held Tribander: Oct, 62
Professional Audio Tools from NTI (Digilyzer DL1; MiniSPL; RT-2M Multi-Tone Broadcast Line Analyzer): Apr, 91
PSK31 Kit Radios for 30 and 40 Meters from Small Wonder Labs (PSK-30; PSK-40): Feb, 107
QFile by Radiowarehouse: Dec, 34
Repeater Controller for GE MVP Mobiles and Base Station Radios (NHRC-4/MVP): May, 101
RIGrunner DC Power Panel: May, 38
Rubidium Frequency Standard (Model 2955 AR): Nov, 105
Scan-A-Mix BX1 Audio Combiner from B&D: Dec, 48
SiteSage 4.0 Free to Ham Clubs: Nov, 103
SOF8 Signal Generator Control Software from Novatech: Feb, 101
Stabilant 22 Contact Enhancer from DW Electrochemicals (Gordon): Feb, 35
TDL's Model 803 Programmer for ISD25-Series Record-Playback Chips: Apr, 55
The Art and Skill of Radio-Telegraphy (William G. Pierpont, N0HFF): Apr, 43
The DJ-X3 Hand-Held Scanning Receiver from Alinco: Jan, 77
The IXTH 10P60 P-Channel Power MOSFET: Apr, 46
The IXTH 24P20P-Channel Power MOSFET: Feb, 102
The K2/100 High-Performance HF Transceiver Kit from Elecraft: Oct, 39
The NHRC-10 Advanced Repeater Controller: Mar, 54
The Zap Checker: Apr, 91
Tiny VFO Kit from DATAK Manufacturing (Model 80-1410): Nov, 38
Tri-Band H-T Antenna from Maldol (MH-610): Jun, 59
USB Relay Module from J-Works: Apr, 61
Versatile Spiral Saw from RotoZip (Rebel): Aug, 39
Weather Alert 2000 is First Satellite-Based "Digital Weather Radio": Mar, 103

And the winner is…Kinetic Sculpture Race, Arcata, CA (Abell): Oct, 20
Atlantic Division Awards (Edgar/Fuller): Aug, 85
Attention MARS Operators and Users (Gorgman): Oct, 59
Call for Papers—Digital Communications Conference 2002: Apr, 87; Jun, 50; Jul, 96; Aug, 89
Cartoon: Look, Jeeves..A Solid-State Beam… (from January 1965 QST): Jan, 93
Cartoon: Jeeves, are you sure our new ham neighbor is just a 40-meter rag-chew man? (April 1965 QST): May, 99
Chess, Anyone? (Dutton): Dec, 94; Feedback: Feb 2003, 76
Club Providing Reimbursements for ARRL Emergency Communications Course: Jul, 83
Club Station HB9AA setting up for April's (2002) H26 Contest (Gutierrez): Sep, 103
Collins Radio Association (Knepper): Nov, 96
Department of State Station QRV (Anderson): Aug, 39
DL Weather Group Event: Nov, 99
Don't Leave Your Equipment Unprotected: Jun, 90
Friends for Life (Craig Larson, W3MS, and Steve Sauer, WA9ASZ): Jan, 108
Greg Griffith, KB3EJX, hosts Reading Radio Club's Meeting on the Air (Griffith): Nov, 96
Ham Radio Equipment Insurance… The Next Addition to Your Station: Oct, 90
Handi-Hams Promotional Tape: Aug, 94
Hard to believe…but "They all work well!” (Keller): Jun, 50
ICOM IC-PCR1000 Helps in Fight Against Terrorism: Dec, 48
Illinois Vets Discover Amateur Radio (Tokarz): Jan, 108
International Museums Weekend 2002 (Bloomfield): Mar, 100
It's All Relative (Hauff): Jan, 108
Jacket with a plethora of patches from years of International DX Conventions (Bostrom): Apr, 43
Jurassic Certificate (Donner): Aug, 94
Landmarks May Be Coming Down (Stinger): Jul, 42
Life Members Elected March 2, 2002: Jun, 50
Lighthouse Operation (Pensacola, FL) (Weikert): Jan, 108
Looking for DD-1 Components (Williams): May, 97
Michigan Amateur Radio license plates (Mcray): Apr, 69
Military Radio Collectors to Meet (Hamersma): Sep, 88

Strays
2002 North American Meteor Scatter Rally: May, 38
3905 Century Club Celebrates 25 Years (Burkhart): Jul, 96
40 Years of Government Service Certificate to Gary Hendrickson, W3DTN: Apr, 55
50th Annual OMIK Convention: Apr, 94
78 Years and Counting (Bob, W9NN, and Al, K4FW): Mar, 116
80 years of hamming between father and son (Patton Jr): Jun, 50
Abbreviations and Glossary on ARRL Web Site: Nov, 99
N3FJP's IARU HF Contest Log: Apr, 96
Need Wallpaper? Take a WAC at this One: Mar, 100
New ARRL Extra Class Certificate: Feb, 65; Oct, 90
New ARRL W6 Incoming QSL Bureau Address and Manager (Arlette, KO6IS, and Chuck, KD6WP, Marshall): Mar, 116
New Award from the Lighthouse Society: Mar, 100
New Digital WAS: Jan, 103
Old Timers Club certificate: Dec, 94
Olympics Special Event Station W7U (Cain): May, 102
Photo: Aubrianna Keith, KG4LTB, VA QSO Party High Single Operator Novice/Technician plaque: Sep, 78
Photo: William J. Lazenby, KC4CBY, and R. Duren Johnson Mr, KG4NYV (Yow): Sep, 78
Photos: Antenna Farm (Felizardo): Sep, 71
QRP DXCC Award: Aug, 39
Rag Chewers Club: Are you a Member?: Nov, 99
Roanoke Division Service Award to Tom Gregory, N4NW (Pearce): May, 99
Spring Lites QSO Party: Apr, 55
Swan Jamboree 2002 (Singleton): Jul, 83
The Penn-Ohio DX Society Digital Prefix Awards Program (Mills): Mar, 76
The Worked All Bands Award: Dec, 90
Two of Three Authors are Hams (Benham): Aug, 85
USVE Reflector Provides Forum for Volunteer Examiners (Wonoski): Nov, 96
Videoconferencing Skills (John Champa, K8OCL): Oct, 39
Vintage Field Day June 8-9, 2002 (Dilks): Jun, 50
VUCC: May, 102
W3UU Special Event—Rockville Bridge 100 Years (Grenier): Nov, 54
WHAM AM 1180 (Lambertz): Mar, 19
WRTC2002 Update: Jul, 90

I would like to get in touch with…
…anyone who plays chess on the air (Dutton): Nov, 96
…anyone who worked or used the Amateur Radio station at O'Reilly (military) Hospital, Springfield, MO, 1941-1955. (Moore): May, 97
…anyone with certificate for Mighty Midget Transmitter contest from Feb 1966 QST (Freeberg): Sep, 48
…circuit diagram for the DigiMax D612/D1200 (Fishback): Jan, 108
…hams who are pharmacists (Pagliula): Sep, 48
…Heathkit HO-10 Monitor Scope (Godwin): Jan, 108
…information on the Ramsey Electronic HR-1 receiver (Anderson): May, 97
…NYC area hams with ANSI IEEE 802.11b based computer subnets (Bitetto): Jan, 38
…old-style Mororola heavy-duty, cast-iron ballmounts (Applegate): Aug, 58
…Titanic enthusiasts net: May, 97

QST Congratulates
…50 Year Members: Feb, 112
…60 Year Members: Jun, 112
…70 Year Members: Jun, 112
…75 Year Members: Feb, 112
…Andreas Koenig, KB0KXW: May, 97
…Bernie (Bud) Michaels, KB1OO: Jan, 103
…Chaz Holder, N8FKV: Aug, 85
…Curtis Robb, NT5E: Jun, 50
…Don Keith, N4KC: Aug, 85
…Eric Forslund, N8XT: Oct, 83
…Glen Westbroek, KD7LE: Jan, 103
…Hank Greeb, N8XX: Aug, 89
…J. Frank Brumbaugh, W4LJJD: Mar, 100
…John Cunningham, WB4JUN: Jan, 38
…Mike Hudgens, W6YA: Jan, 103
…Olin Boyer, W5LNK: Oct, 83
…Professor Bill Call, KJ4W: Oct, 83
…Ralph H. Brock, W5MV: Oct, 83
…Thomas Gossett, K4TWG, and Catherine Gossett, KG4TWI: Oct, 83
"VC" Angell, KC0EM: Jun, 50; Feedback: Jul 2002, 39
…William R. Keltner, WA5VVA: Apr, 57

Up Front in QST
14er Radio Event (Witte): Sep, 21
2002 Field Day Pins and T-Shirts: May, 21
6-meter QRO (Jones): Jun, 20
A canned message… (Fleming): Jan, 20
AB 1309 Portable Extended Mast (Giambrone): May, 20
Active on 33 cm? (Labor): Jul, 20
All that DX…DX Communications (Tucci): Mar, 19
Amateur Radio in the classroom (Fenske): Jul, 21
Amateur Radio in the classroom (Roy): Jul, 21
An attractive way to support a rotatable 38-foot antenna (Harris): Nov, 20
AO-40—and no one's the wiser (Spinner): Jun, 21
APRS, Italian-style (Ficara): Mar, 21
ARES patch in display at Stress Center for Police Officers (Hirsh): Sep, 20

2002 QST Index
ARL58 license plate (Buchar): Feb, 20
"Are you a reflector or a radiator?" (Grider): Oct, 20
As you can see, I have a bit of a radio collection (Konop): Jan, 20
"Ben Franklin" Flag (Adkins Jr): Sep, 20; Feedback: Oct 2002, 39:
Bounce Modulation! (White): Jan, 21
Building up the DX (Breneiser): Mar, 21
Culturama Fair (Hammond): Jun, 21
Do you know the way to…QST? (Godolphin): Feb, 19
DX on the road—literally! (Taylor): Nov, 21
"DX was everywhere" (Hamblen): Aug, 20
DXpedition Lite (Allphin): May, 21
Estero Radio Club in Cayucos 4th of July Parade (Palmer): Sep, 21
Field Day 2002: Miami Dade EOC (Scull): Dec, 20:
Field Day 2002: Phil-Mont Mobile ARC (Van Meter): Dec, 21:
Field Day 2002: Pounding [big] brass in Bay City (Mondro): Dec, 20:
Field Day 2002: Sarasota (FL) Emergency Radio Club (Alvord): Dec, 21:
Field Day 2002: Uh-oh! (Van Egmond): Dec, 20:
Flapper foils code key plan (Lee): Feb, 20
Four newly licensed hams/Boy Scouts (Sirois): May, 21
GOTA works! (Blank): Dec, 20
Gravitational Gain experiment goes awry (Beldar): Apr, 21
Great Plains Super Launch (Tews): Jan, 21
Ham Cam in Sarasota (Alvord): Aug, 21
Ham exam souvenir (Brady): Nov, 20
Ham party in JT-land (Claerbout): Mar, 21
Ham Shoot sign (Rauchut): May, 20
Have anything for W0TF, of Leeds, North Dakota? (Budd): Nov, 20
Have weather phenomena? (Venlet): Jan, 20
Having trouble getting out? (Martin): Feb, 21
He knows which way the wind blows (Gillespie): Feb, 19
"Heavenly Ham" (Wasserman): Oct, 20
Helping hands (Faucett): Jun, 21
Is he mobile or is he maritime mobile? (Gustat): Feb, 19
JOTA 2001: Melbourne, FL: Jan, 19:
JOTA 2001: Nobscot Scout Reserve in MA: Jan, 19:
JOTA 2001: Pacificon in Concord, CA (Matzkin): Jan, 19:
JOTA 2001: Pack 1195 of Manassas, VA: Jan, 19:
Look Ma, No Drilling! (Blizzard): Dec, 21
Loop mobile (Aragon): Apr, 21
Marconi memorial (Pearce): Apr, 21
Marking on a Knorr box—W8HLK (Guilherme): Mar, 21
MAXI Mum light, minimum cost—who could argue with that? (Hasbrouck): Jul, 20
Messiest mobile contest winner! (Giambrone): Mar, 19
Mobile DX trip to Kanab Point, Grand Canyon (Rosenthal): Oct, 21
National D-Day Memorial in Virginia (Stanecker): Nov, 20
New take on an HF townhouse antenna (Wilk): Nov, 21
No holes mobile antenna mount (Parr): Mar, 20
No mess here! (Alline): Mar, 20
Now they advertise! "Jammer Lake" (Brakob): Oct, 21
Now they advertise! "Jamming Services" (Schaeffer): Oct, 21
Old Timer's Night, Dallas ARC (Parker): Sep, 21
Oldham Plaza (Powell): Feb, 20
One way to achieve circular polarization? (Dominick): Aug, 20
One way to keep in touch while away from home (Quam): Jul, 20
Painstaking, but worth it (Fischer): Oct, 21
Photo: JonPaul Jones, great grandson of Dave Goggio, W4OGG (Goggio): Sep, 78:
Pilgrimage to Plymouth (Plimoth Plantation) (Beaman): Mar, 20
QRP Construction Contest at Iowa QRP Club State Convention (Swenson): Mar, 21
QST on CU (Kotowski): Sep, 21
QTH here is a Quonset hut. (Mandale): Jan, 21
Racking up the mobile QSOs. (Hargenrader): Jan, 21
Recent Kid's Class (West): Nov, 21
Recycling is Alive and Well at W7UPF (Richards): Feb, 21
Returning to college brings elusive award (Babb): Aug, 21
Scout-O-Rama, Newport Dunes, CA (Tom Walker Jr) (West): Dec, 84
Something to celebrate! (Reginald Hoskin, Sr, W7ROL, 100th Birthday) (Johnson): Mar, 20
Son used QSL cards to study for National Geography Bee (Whatley Jr): Aug, 20
Spacious or specious? (Leidner): Aug, 21
Special Event for the anniversary of the crash of the Airship Hindenburg (Reed): Jul, 21
Still Hamming Together (Ramborger): Oct, 25

2002 QST Index
Sture, OH0JHP, Mariehamn, Aland Island, Finland  
(Kotowski): Jul, 20  
Terri Cresap, KD5NGI, Rusty's Raiders Net (Clark):  
Jul, 20  
Texas Ain't No Place For Amateurs sign  
(Tatsukawa): May, 20  
The flag "got out" better than an antenna would have  
(Dockery): Feb, 19  
The tie that transmits (Arnold): Aug, 21  
They're closed; we're open (QST Energy) (Race): Jun,  
21  
Thought you might want to see some homebrew  
(Waggoner): Feb, 20  
Top This! (CA QSO Party) (Paul): Mar, 19  
Touch Pad Keyer—12-V car door remote control  
battery (Hew): May, 20  
US Air Force Museum "Civilian Supporting  
Agencies" display (Griffith): Aug, 20  
Verticals Three for Urban Living and Vacation  
Cottages (MacAlister): Jul, 21  
W3TKQ/W3AA—50 Years at The Franklin Institute  
(Hoch): Sep, 21  
WAS on 6, in 30 days—from KL7 (Hannigan): Apr,  
21  
What It's All About (Ferrera): Feb, 25  
What's going on here? (letters in coffee) (Hill): May,  
21  
What's this contraption? (slide rule) (Suppan): Oct,  
20  
When is a photograph not a photograph? (McCarty):  
Apr, 20  
Who is the Dummy? (Troster): Sep, 20  
Wonder how long it's been since that thing's been  
lubricated… (Spencer): Nov, 20  
Wouff Hong plant (Nelson): Oct, 21  
WRTC2002 Spawns Ultimate Antenna Party (Laine):  
Aug, 20  
You can find Hammies… (Hertzberg): Feb, 19
QST2 requires two molecule specifications, for the reactant and product, as its input, while QST3 requires three molecule specifications: the reactant, the product, and an initial structure for the transition state, in that order. The order of the atoms must be identical within all molecule specifications. Note that the TS option should not be specified with QST2 or QST3. For example, at the left is an input file which may be used to locate the transition structure for the reaction SiH₄ → SiH₂ + H₂. The title section and molecule specification for the product follows those of the reactant. #T QST is the journal of the American Radio Relay League. The magazine includes articles of interest to radio amateur, including how to build equipment, new technology, pictures of ham shacks, and national and world legislation effecting amateur radio. Of historical importance, the magazine includes schematics of consumer amateur gear, and its many advertisements are a invaluable source of historical information. INTEGRAL SOLUTIONS QPS-1050 QST-2002. Moore Automation Limited. Best Price, High Quality, Professional Service, Fast Delivery, Large in Stock. If you find the same parts from any other suppliers cheaper than us, we will try to match that the same price, or provide you with a further discount. If you have any further questions, please don't hesitate to contact us, we have enough patience and enthusiasm to explain everything to you. If you inquiry more than one piece/item, please let us know, because we can arrange discount for you. looking forward to your inquiries. what are the products: World-renowned brands disconti