



# K4NAB News



Serving Aiken County and Surrounding Areas



## Field Day June 27 – 28, 2009 *Always the fourth full weekend in June*

### Field Day... For the Fun of It!

We all became hams for our own reasons. Some of us were interested in public service and helping others in times of need. Many discovered the hobby as an outlet to their curiosity about electronics and communications. Still others joined our ranks because of the quest to meet new people and expand their own personal bank of knowledge.

Whatever the reason you became an amateur, there is one compelling thread that brought us all together in this fraternity of amateur radio. It is as simple as can be:

**We became hams for the FUN of the hobby!** And while it serves a wide array of interests and purposes, there is no greater FUN-damental goal for Field Day than to HAVE FUN! While it encompasses a broad range of amateur radio interests – CW, Phone, Digital, emergency preparedness, public service, satellites, recruitment, antennas, new and vintage equipment, and so many more – Field Day is, above all else, a chance for us to have some fun with our hobby. After all, while it is a regulated service and there are serious aspects to our use of the bands, the true “amateur spirit” of our hobby (defined by Paul Segal, W9EEA, back in 1928 in “The Amateur’s Code”) is found in “slow and patient operating when requested; friendly advice and

counsel to the beginner; kindly assistance, cooperation and consideration for the interests of others.” Fun is where YOU find it in this hobby. Some will discover the fun by operating overnight building up their club’s total number of QSOs. Others will never make a single Field Day contact but will derive their fun by helping set-up antennas and generators.

The joy of sharing your radio knowledge to a newcomer will be fun for many old-timers while other old-timers will experience the “Field Day high” when they make their very first QSO using a new digital mode or via one of the amateur radio satellites. The camaraderie of the annual club Field Day picnic covered dish supper will be a fun highlight for many, while still others will find the joy in the hobby by simply being able to spend a couple of hours from home on an otherwise busy weekend tuning the bands and making a few contacts.

Now is the time to start preparing. There are no significant rule changes for Field Day 2009. So no matter how you choose to participate, let the planning and adventure begin. Try something new! Get newcomers involved! Test your skills and limits. But whatever you do, remember the first and most important element of Field Day is --- HAVE SOME FUN!

See you on the air June 27th and 28th. 73!



## Crossword Puzzler

By H. Ward Silver, N0AX

March 15, 2005

"You've Got Mail!"

Can you imagine the days before email when we had to use a machine to strike a cloth soaked in waxy ink, forcing it against a sheet of paper? Or worse, laboriously drag a writing instrument across the paper, character by lonely character? Oh, the inhumanity? Life is different these days, by far, with email connecting us electronically. How much do you know about email? Puzzle on!

**Across**

1. Hostile angry email content
5. Simplest text format
8. Unusual
11. Transfer a program to memory to run
13. Send a copy also
14. Person applying a program
15. Open and look at
17. Roger's companion
19. Next door to Latvia (prefix)
20. Angular distance from the horizon (abbr.)
21. Mark or change
23. Connected
26. Fi or Max
27. Smallest of the 48 (abbr.)
28. Occupied
29. And so on (abbr.)
31. Put together to send
34. Go ahead only (CW prosign)
35. Between VT and ME (abbr.)
37. Two components of RF
38. Email replaced these
40. Characters that make up the message
42. From (CW prosign)
43. Our continent (abbr.)
45. Net master (abbr.)
47. Send on
51. Prevent or stop
53. Where a receiver's gain stages lie (abbr.)
54. Prototype program for show
56. Closing identification
59. You're shouting in this case
62. Non-volatile data storage (abbr.)
63. Skyhook (abbr.)
64. One of the Maritime provinces (abbr.)
65. Soft, conductive metal (chemical symbol)
66. Type of malware
68. Reproduce
70. Used in the old days with ink
72. Store
76. Respond to
77. Metal that rusts (chemical symbol)
78. Unwanted email

**Down**

1. Device or program that protects a computer
2. Chicken or mode
3. Person that approves content
4. Spanish prefix
6. Your identity at a bank or data service
7. Symbols that represent data or programs
8. Program that runs the computer (abbr.)
9. Removed
10. Not wet
12. Don't drink or else you'll be cited for this (abbr.)
14. Prefix meaning single
16. Top-notch or highly trained
18. The network and computer department (abbr.)
22. Cubical random number generator
24. This cat was an early Web surfer
25. The most easterly US ARRL Division (abbr.)
28. Break (CW prosign)
30. Spelling and call sign testers
32. That (CW abbr.)
33. Between a minute and a day (abbr.)
36. Language that defines Web pages
39. Measure of signal versus noise (abbr.)
41. Example (abbr.)
44. Destination
46. Type of company (abbr.)
48. Non-profit company email suffix
49. Australian peer to ARRL (abbr.)
50. When Jill came tumbling
51. Rejection of email
52. The key to get out
55. Computer designers (abbr.)
57. Not doing anything
58. Month of Sweepstakes (abbr.)
60. Oscillator tuned with inductor core (abbr.)
61. One of the Hudson Division sections (abbr.)
67. Where you get on the Internet
69. Type of email server (abbr.)
71. Number (abbr.)
73. One of the armed services (abbr.)
74. Canadian prefix
75. In charge of a section (abbr.)





## How to Succeed in Field Day By Really, REALLY Trying!

### Helpful Field Day Tips

Here are some helpful hints that ought to help you plan and set up for your Field Day operation. Although every Field Day setup is different, and everyone has a different way of doing things, these tips should at least point you in the right direction.

#### Safety Tips

**Safety First!** Follow the ARRL safety code as you set up. Appoint one person "safety officer" and charge them with making sure no accidents happen.

More people are killed by contact with regular 120-V line service than by any other voltage. The voltages in many power supplies can be lethal! **Don't take any chances! Ground anything and everything.** Never use "three-prong" adapters to connect your equipment to your power source. **Remember, the power coming out of your generator is as lethal as the AC plugs at home!**

**Have someone always on hand that is qualified in First Aid and CPR.** This is a good idea for a club project to train all your members in these valuable skills before they are needed. Contact your local American Red Cross chapter for more information in your area.

**Always kill all power circuits completely before opening up a piece of equipment** and trying to troubleshoot it. Never allow anyone else to switch the power on and off for you while you're working on something. Never try to fix something while you're tired or sleepy. If you're working on older tube-type gear, or an amplifier, always unplug the unit from the AC mains and wait at least 5 minutes before you begin. When troubleshooting this kind of equipment, always keep one hand in your pocket, as a precaution against accidental shock. Never wear watches or jewelry when you're working on gear.

**Do not climb any tower without the proper equipment:** a hard hat and a climbing belt are musts. **NEVER** climb an un-guyed tower. **NEVER** work on a tower alone. **Always** have someone on the ground to watch you. **Always** make certain that all mechanical connections are tight and secure before erecting a tower or an antenna. What may be easy to fix on the ground could be dangerous in the air. When erecting a tower, take your time and be safe! It's far too easy for someone to get caught on something, or have fingers or toes in the wrong place at the wrong time. Make certain any "spectators" are a safe distance away should anything untoward happen. **Alcohol and towers do not mix! If you drink, don't climb! If you climb, don't drink!**

**Always make sure your guys are securely anchored**, and that the guys themselves are sufficiently taut. Tying flags to guy wires in strategic spots will help prevent people from walking into them (especially visitors!). Make certain that the tower bases are secure and unlikely to shift in high winds.

**Watch out for overhead power lines!** Make certain they are at least twice the height of any antenna's height in distance away: an antenna 50' high should be at least 100' from any overhead line, for example.

Make certain that your group has enough fire extinguishers, and that everyone knows where they are. **Always keep a multi-purpose fire extinguisher by the generator. Never fuel a running generator.** Never smoke around a generator. Keep the fuel in a separate place. Charge one or two people with the responsibility of monitoring the generators.

**Generators should always be kept outdoors in an area with good air circulation.** This will prevent the possibility of exhaust and gas fumes building up.

**Check all your extension cords** prior to setup for signs of wear or fraying. Discard any that show even the slightest wear. Guard all outlets from any water. Make sure the wire sizes are adequate enough to handle the load.

**Watch out for lightning!** Storms can develop and move quickly. At the first sign of a storm, disconnect all antennas from the rigs, shut down the generators, and head for shelter. You don't have to take a direct hit in order to sustain damage, or electrical shock. Summer thunderstorms are accompanied by high winds and rain. **Play it safe!**

During an overnight operation, **make sure that there is adequate security for those involved.** More than one Field Day operation has discovered too late that equipment has been permanently "borrowed" from an operating position left unattended during the wee-hours of the morning.

#### Setup

Check out your operating site ahead of time. **Avoid confusion on Field Day by preparing a work plan.** You'll want to determine where antenna, power sources, and operating positions should be placed. Coordinate in advance the order for each task. Make sure that all essential items will be on hand when they are needed. Don't forget the essential creature comforts, such as trash cans, toilet paper, flashlights, bug spray, first aid kit, etc.

Nothing can kill the Field Day enthusiasm faster than not having sufficient help to set-up and tear-down the site.

**Volunteers need to sign up early.**



Upcoming hamfests and events.

6 June 2009  
 Georgia State Convention  
 Atlanta Radio Club (W4DOC)  
 Jim Miller Park  
 2245 Callaway Road  
 Marietta, GA  
<http://www.atlantahamfest.com>  
 Talk-In: 146.820 (PL 146.2)

13 Jun 2009  
 Winston-Salem Classic Hamfest  
 Forsyth Amateur Radio Club  
<http://w4nc.com>  
 Winston-Salem, NC  
 Dixie Classic Fairgrounds (Home & Garden Building)  
 421 West 27th Street  
 North Carolina

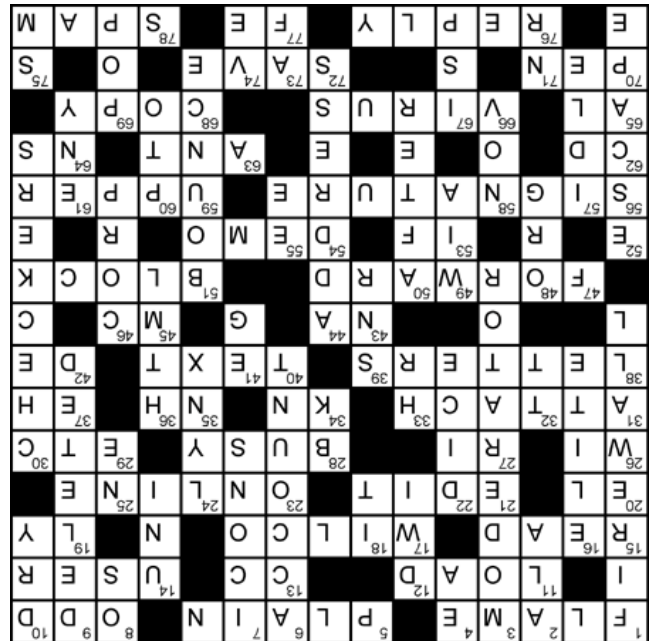


Field Day June 27 & 28, 2009

8 Aug 2009  
 Ellijay Amateur Radio Society (EARS)  
<http://www.ngamtn.com/w4hhh/>  
**Talk-In:** 145.170 -600 kHz (PL 100)  
 Ellijay Lions Club  
 1729 South Main Street  
 Ellijay, Georgia 30536

Contests 2009

- June 13-14 ARRL June VHF QSO Party
- June 20 Kids Day
- June 27-28 ARRL Field Day
- July 11-12 IARU HF World Championships
- Aug 1-2 ARRL UHF Contest
- Aug 15-16 ARRL 10 GHz and Up Contest
- Sep 12-13 ARRL September VHF QSO Party
- Sep 19-20 ARRL 10 GHz and Up Contest
- Nov 7-8 ARRL November Sweepstakes (CW)
- Nov 21-22 ARRL November Sweepstakes (Phone)
- Dec 4-6 ARRL 160 Meter Contest
- Dec 12-13 ARRL 10 Meter Contest





# Local Repeaters and nets

|                                  |         |          |                 |
|----------------------------------|---------|----------|-----------------|
| 6 Meter Freq.                    | PL:     | Callsign | QTH             |
| ☉ 53.030-                        |         | W4WTA    | Augusta         |
| 2 Meter                          |         |          |                 |
| ☉ 144.390                        |         | KR4XN-2  | Augusta digi    |
| ☉ 145.110-                       |         | KK4HL    | Augusta         |
| ☉ 145.130-                       |         | W4JAK    | Greenwood       |
| ☉ 145.170-                       |         | KY4S     | Aiken           |
| ☉ 145.290-                       |         | W4DV     | Augusta Echo-   |
| link node: KI4NFJ-R Node #325847 |         |          |                 |
| ☉ 145.350-                       | (100.0) | N2ZZ     | Aiken           |
| ☉ 145.410-                       |         | K4KNS    | Augusta         |
| c 145.450-                       | (123.0) | W4ZKM    | Sav. River Site |
| ☉ 145.490-                       |         | W4DV     | Augusta         |
| ☉ 146.730-                       |         | K4NAB    | N. Augusta      |
| x 146.835-                       |         | KC4GSS   | Thomson         |
| ☉ 146.985-                       |         | K4KNS    | Evans           |
| c 147.120+                       |         | KT4N     | Wrens           |
| ☉ 147.285+                       |         | N4ADM    | Aiken           |

|                       |       |                |            |
|-----------------------|-------|----------------|------------|
| 1.5 Meter NOAA Alerts |       |                |            |
| 162.400               | WXJ20 | Columbia, SC   | 1000 Watts |
| 162.425               | WXM88 | Waynesboro, GA | 375 Watts  |
| 162.450               | WNG62 | Aiken, SC      | 300 Watts  |
| 162.475               | WXM93 | Cross, SC      | 100 Watts  |
| 162.500               | KHC29 | Barnwell, SC   | 1000 Watts |
| 162.525               | KHA35 | Orangeburg, SC | 300 Watts  |
| 162.550               | WXK54 | Augusta, GA    | 1000 Watts |

|            |  |        |         |
|------------|--|--------|---------|
| 1.25 Meter |  |        |         |
| x 224.200- |  |        | Augusta |
| c 224.940- |  | WB4KXO | Augusta |
| x 224.960  |  |        | Aiken   |

|                    |        |               |
|--------------------|--------|---------------|
| 70 Centimeter      |        |               |
| x 444.400+         |        | Augusta       |
| c 444.800+         | KE4RAP | North Augusta |
| ☉ 444.900+(100.0?) | W4QK   | CCARC         |
| (closed system)    |        |               |
| c 444.950+(T162.2) | W4DV   | Trenton ARCA  |

x = not coordinated with SERA c = coordinated with SERA  
 ☉ = Full member of SERA  
 SERA = South-Eastern Repeater Association

## SCHEARTS ETV Repeaters Short List

\*70--Conf. Main, \*71--Conf. Backup, 73--Drop Link  
 (L) Link Ready. (A) Antenna installed but repeater not installed yet.

1. .... (L) Link \*31 ..... Charleston-A.....146.7600 123.0
2. .... (L) Link \*51 ..... Charleston-A.....441.7250 123.0
3. .... (A) Link \*33 ..... Charleston-W.....147.1050 123.0
4. .... (L) Link \*53 ..... Charleston-W.....441.5750 123.0
5. .... (L) Link \*32 ..... Columbia.....146.7150 .. 91.5
6. .... (L) Link \*52 ..... Columbia.....441.7250 .. 91.5
7. .... (L) Link \*30 ..... Conway.....146.7150 162.2
8. .... (L) Link \*50 ..... Conway.....441.6750 162.2
9. .... (L) Link \*35 ..... Florence.....146.6850 .. 91.5
10. .. (L) Link \*55 ..... Florence.....441.5750 .. 91.5
11. ... (A)Link \*56 ..... Greenville-C.....443.1250 123.0
12. ... (A)Link \*36 ..... Greenville-C.....123.0
13. ....Link \*37 ..... Greenville-P.....145.3700 .. 91.5
14. .. (L) Link \*57 ..... Greenville-P.....441.6750 .. 91.5
15. ....Link \*41 ..... Lake City.....147.0600 .. 91.5
16. ....Link \*38 ..... North Augusta.....146.8500 .. 91.5
17. ....Link \*58 ..... North Augusta.....441.5250 .. 91.5
18. ....Link \*39 ..... Orangeburg.....146.8800 123.0
19. ....Link \*59 ..... Orangeburg.....441.7500 123.0
20. ....Link \*40 ..... Rock Hill.....123.0
21. ....Link \*60 ..... Rock Hill.....441.5250 123.0
22. .. (L) Link \*34 ..... Walterboro .....146.7150 123.0
23. .. (L) Link \*54 ..... Walterboro .....441.6750 123.0

## NETS

|                           |   |
|---------------------------|---|
| Augusta Radio Club Net    | Daily @ 8:00 PM on 145.490 repeater                       |
| Carolina State Line Net   | Sunday @ 9:00 PM on 146.730 repeater                      |
| Emergency Traffic VHF Net | Sunday @ 4:00 PM EST (5:00 PM DST) on 145.490 repeater    |
| ARCA 10 meter Net         | Friday evenings at 9 PM 28.375 primary / 28.425 alt relay |
| Newcomers Net -           | Thursday @ 9:00 PM on 145.490 repeater                    |
| CSRA ARES Net             | Wednesday @ 8:30 PM On 146.985mhz                         |
| CSRA 2 Meter Net          | Tuesday @ 2100 hrs, 147.120 repeater                      |
| ARCA CW Net               | Monday @ 9:00 PM on 28.170mhz                             |
| SC Single Sideband Net    | Daily @ 1900 hrs, 3915 KHz                                |
| Carolina Net              | Daily @ 1900 hrs and 2200 hrs, 3573 KHz                   |
| Carolina Slow Net         | Daily @ 2000 hrs, 3573 KHz                                |
| SC ARES/RACES Net         | 1st & 3rd Mondays, 1800 hrs, 3990 or 3993.5 KHz           |

Please send additions/ corrections to [AJ4AU@ARRL.NET](mailto:AJ4AU@ARRL.NET)