



July 7, 2014



Meeting Agenda

- Welcome-Visitors and Members
 - Introductions
- Recognition
 - Hospital Drill
 - Repeater
 - Test Session
 - KB9ZBO equipment
 - Field Day!
- New Business/ Announcements/ Calendar-
 - Boy Scout Counselors
 - Saint to Saint
- ARRL Quiz
- Next Meeting- Aug 4



Recognition

2014 Earthquake Drill

Thanks to:

PCRMC EOC:

Gary KF0TW

Jeff KD0JLM

Mass Cal Trailer:

Ron NA0Q

Steve N6RHQ

Pictured: Wendy
Squires CERT leader,
Steve N6RHQ, Gary
KF0TW





Recognition

2014 Earthquake Drill



Field Deployable Mass
Casualty Trailer

First Aid/ Surgical Supplies
Triage Operating Tent
Generator

Coms:

Ham Radio

MOSWIN

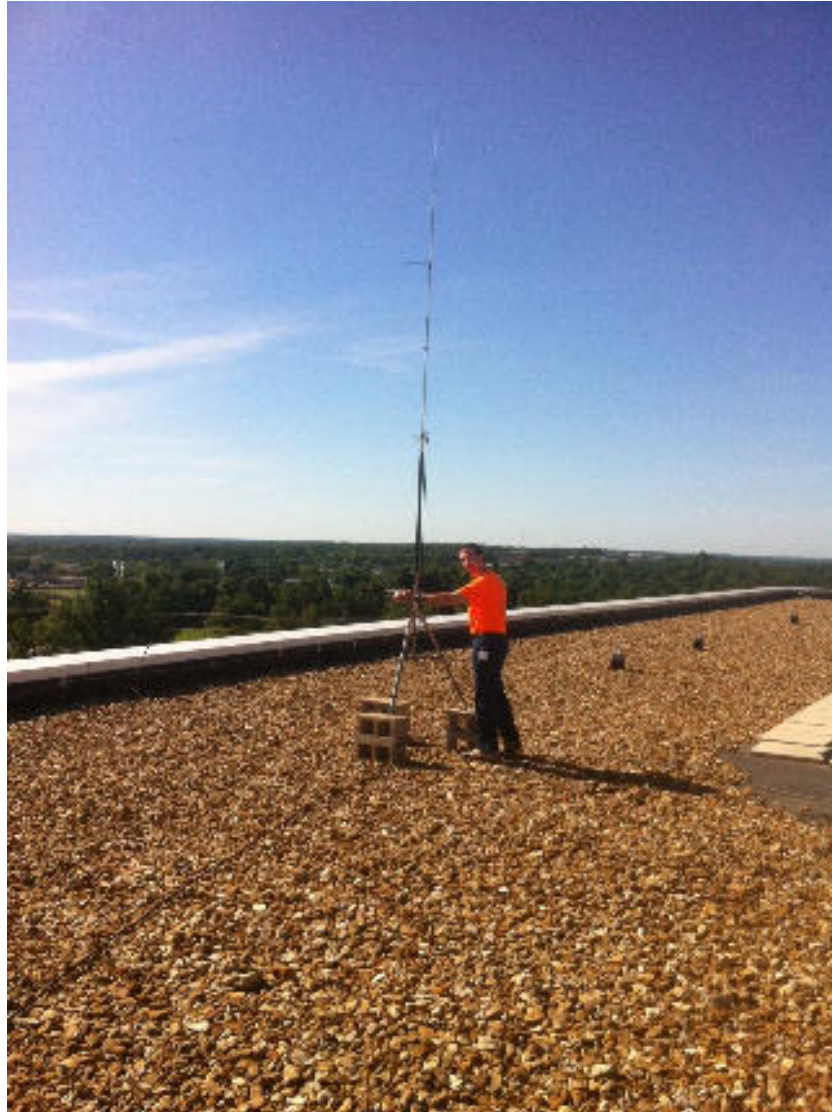
Sat Phone

Sat Internet

Wireless hotspot



Recognition Hospital Repeater



Jeff KD0JLM
hugging temporary
mounted Ringo
Ranger prior to
relocating



Recognition Hospital Repeater



Ron NA0Q, Steve
N6RHQ and Joe
K0OG 6 stories up at
the Hospital MOB
repeater site.



Recognition

Hospital Repeater

Ron NA0Q and Joe K0OG
lifting Ringo Ranger back
to old home.

Jeff KD0JLM serves as
safety officer.





Recognition Hospital Repeater

Ron NA0Q adjusting the
flux capacitor on the Ringo
Ranger's new/old home.





Recognition Hospital Repeater

Special thanks to Peter
WB9KHR for use of his
resonator cans.

Thanks:

Ron NA0Q

Jeff KD0JLM

Joe K0OG

Steve N6RHQ

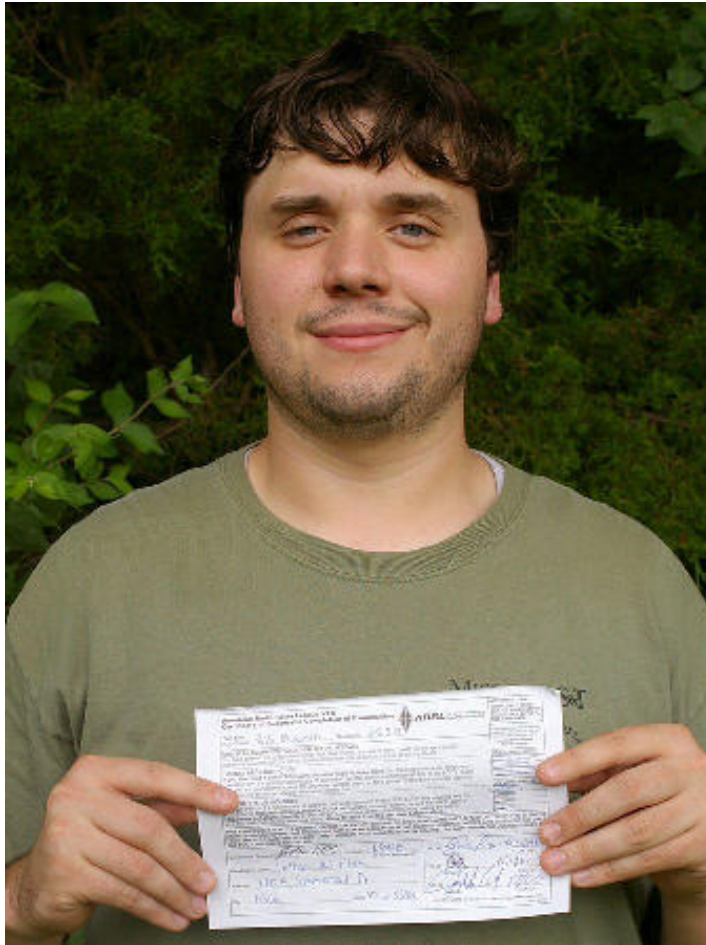


Joe K0OG tuning repeater
resonator cavities.



Recognition

Field Day Test Session- New Techs!



Nathan Eloie –
new Technician

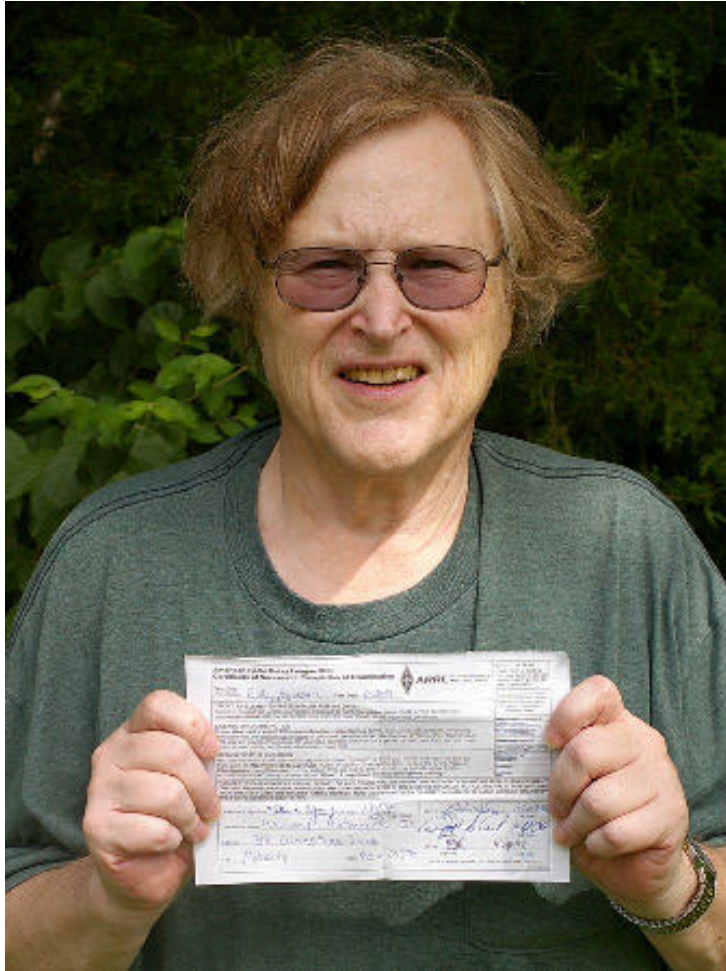


Vickie Ngala –
new Technician

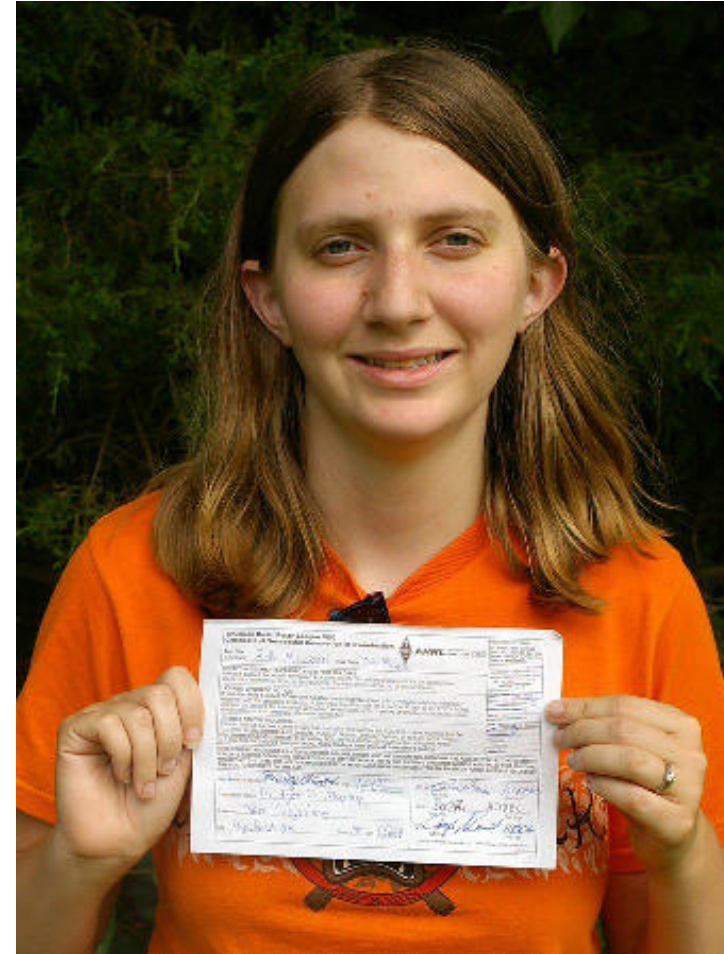


Recognition

Field Day Test Session- New Techs!



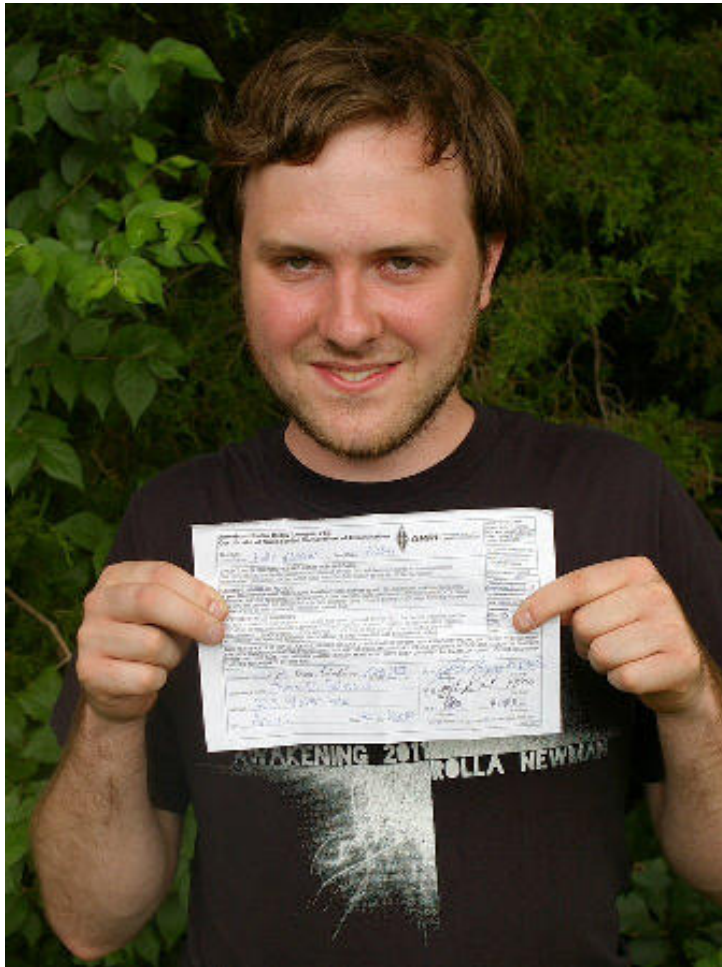
William Hofmeister - new
Technician



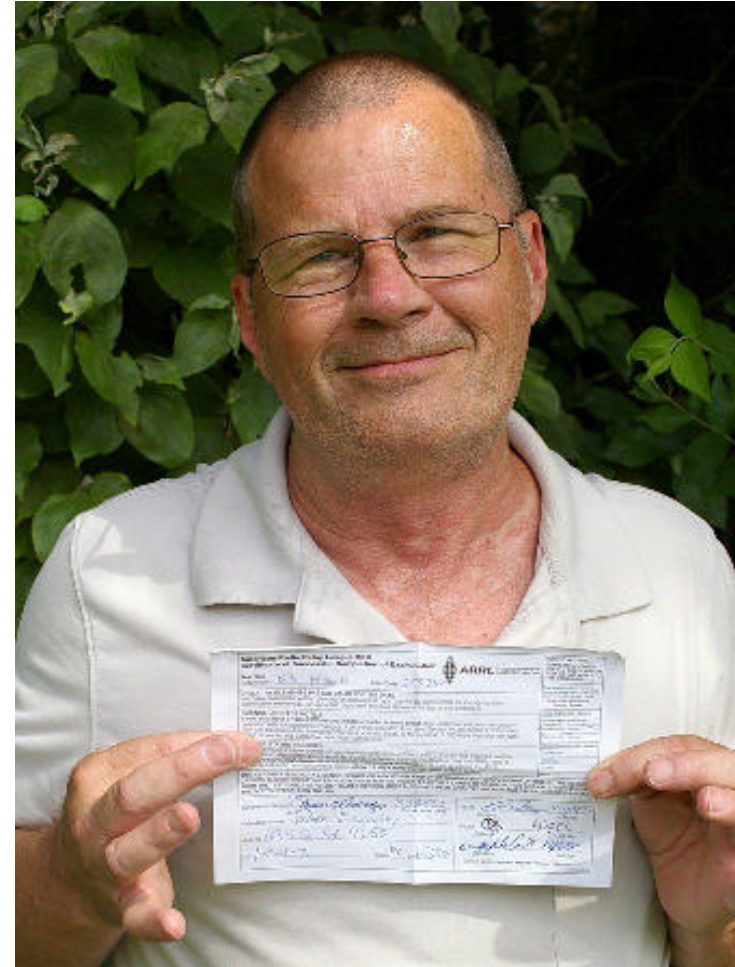
Bridget Mooney - new
Technician



Recognition Field Day Test Session- Generals!



John Peterson (KD0SBI) –
upgrade to General



Jim Crowley (KB0PSI) –
upgrade to General



Recognition Field Day Test Session- Generals!



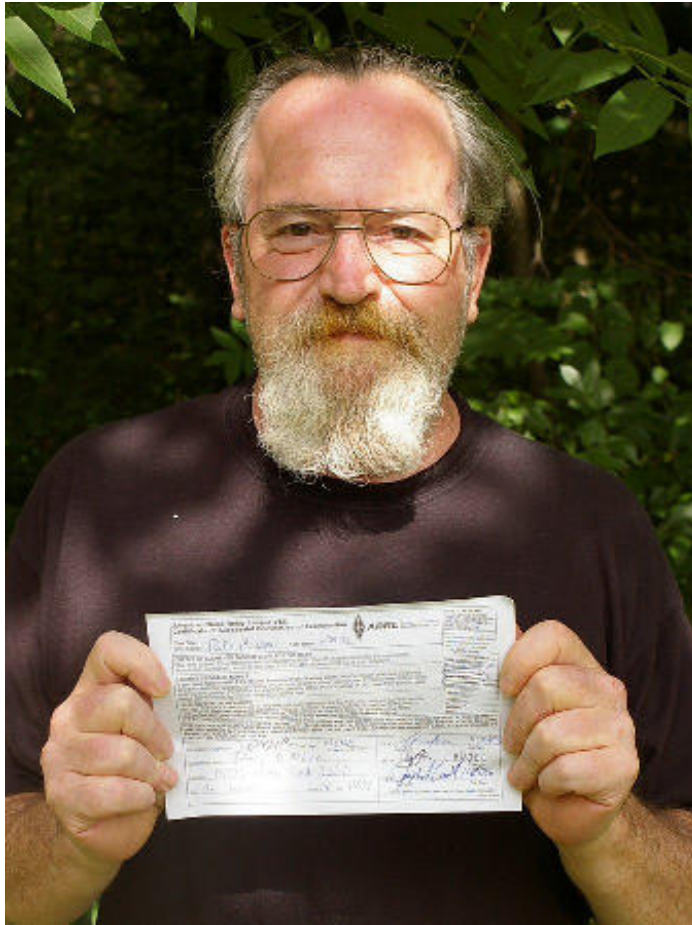
James Poucher (N0TQC)-
upgrade to General





Recognition

Field Day Test Session- EXTRA!



Congratulations to Jeff Miller -
passed all three elements for Extra-

A Grand Slam- Tech, General,
Extra all in one session!!



Recognition Field Day Test



THANK YOU VEC's
Joe K0OG
Dave KC0AES
Doug AD0EC



Recognition

KB9ZBO sk Estate Sale

- Thanks to the efforts of Peter N0XZN, Dave KC0AES and Joe K0OG, we have raised over \$1,400 for SK KB9ZBO's family from the sale of his radio equipment (including 11 meter items, his specialty)!
- Remaining items on RRARS web site



Recognition

FIELD DAY June 28, 29





Recognition

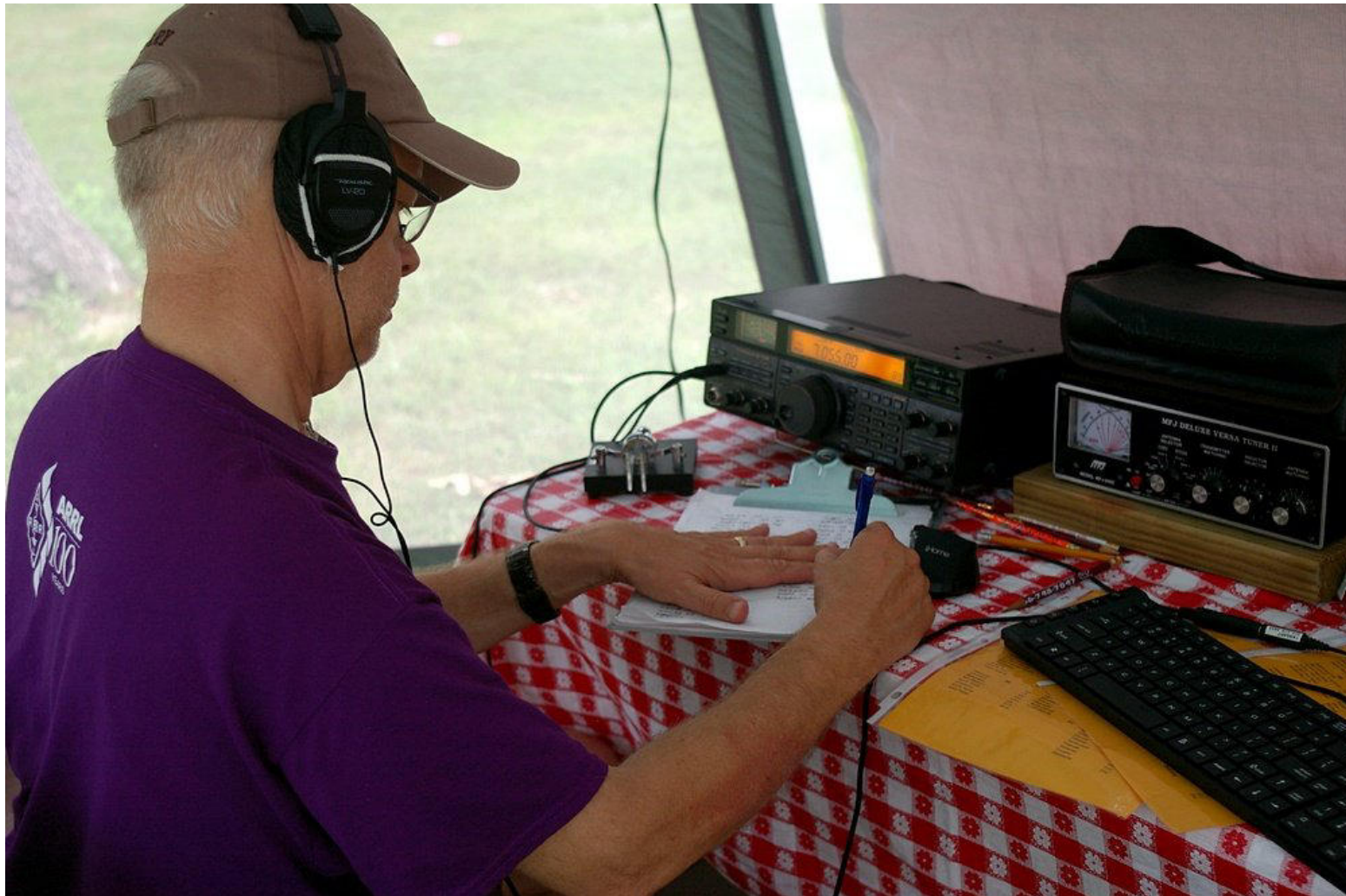
FIELD DAY June 28, 29





Recognition

FIELD DAY June 28, 29





Recognition

FIELD DAY June 28, 29





Recognition

FIELD DAY June 28, 29





Recognition

FIELD DAY June 28, 29





Recognition

FIELD DAY June 28, 29

Thanks to all the operators who spent time at the radios, as well as those who helped set up and take down the equipment and tents.

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To offer some historical perspective, here is a summary of yearly total scores (including all multipliers and bonus points):

2009 -> 2244

2010 -> 2708

2011 -> 3096

2012 -> 3182

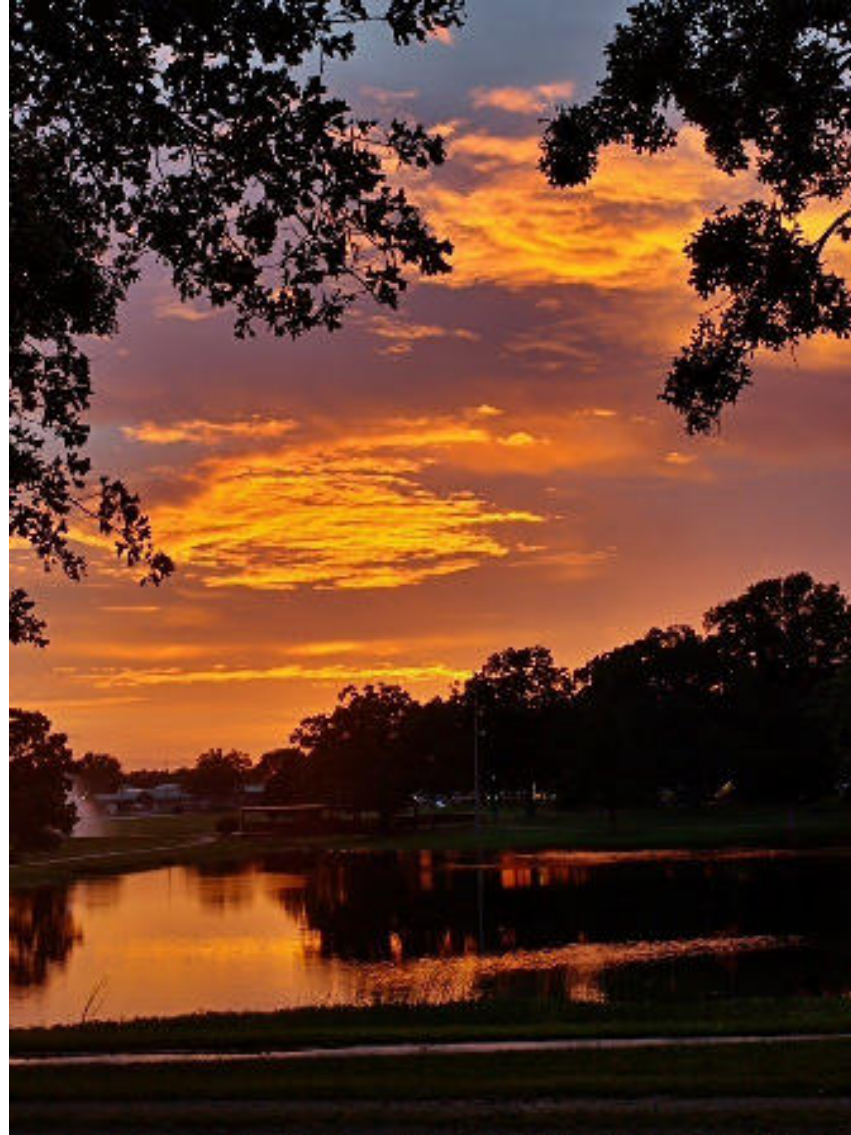
2013 -> 3608

2014 -> 2642



Recognition

FIELD DAY June 28, 29





Recognition

FIELD DAY June 28, 29

- Thank you!
 - Station Stewards
 - Digi- K0OG
 - SSB- KD0OWE
 - CW- KF0XQ,
KF0TW
 - PIO- KD0DMJ
 - BBQ- KD0JNI
 - Pitmaster- KC0OKW
 - Test Session- K0OG
 - Lion's Club for special use of park





Calendar/ Events/ Ideas 2014

January

February

March

Spotter Training (cancelled)

Test Session

April

Joint Mtg w/ LARC MO QSO Party

May

Test Session

June

Hellbender

Field Day

Test Session

July

Rest

August

(possible Fox Hunt- 6 hams expressed interest)

September

Saint to Saint Sep 28

Test Session

October

Repeater work day?, W1AW/0

November

Ozark Trails 100

December

Test Session

Other ideas:

Bryan KDOGYL suggested investigating a digital network that has amateur allocations.

William KD0NUI- Foxhunt



Announcements

New business, Announcements, Ideas....

W1AW/0 in October requires commitment to detailed logging and being on air at designated time. Contact Joe K0OG to sign up for a time block- earlier the better for preferred time slots.

PS- Need a Tech Talk volunteer for August and Sept.



Amateur Radio Quiz-

Ham Horizons

(answers at end of notes)



Next meeting: Aug 4

(Meeting notes are posted on RRARS.org)



Amateur Radio Quiz-

Amateur Radio Quiz: Ham Horizons

By H. Ward Silver, N0AX

- 1) What amateur-invented AM mode is often heard around 14.230 MHz?
 - a. Fast-scan TV
 - b. Wide-band FM
 - c. Slow-scan TV
 - d. Working split

- 2) Amateurs are credited with the first documented observations of which unusual phenomenon?
 - a. Whistlers
 - b. Growlers
 - c. Long-delayed echoes
 - d. Sprites and jets

- 3) Who was the first ham to transmit from space via Amateur Radio?
 - a. Dave Garroway
 - b. Owen Garriott
 - c. Gary Owens
 - d. Garrett Phillips

- 4) What type of preamplifier, invented by hams, does not include a transistor, tube or other active amplifying device?
 - a. parametric
 - b. supercooled
 - c. negative-feedback
 - d. servo

-From W Silver N0AX



Amateur Radio Quiz-

5) Relegated to these in the early days of radio, hams found them to be prime radio real estate.

- a. Very Low Frequencies
- b. Sub-bands
- c. Quiet zones
- d. Short waves

6) VHF enthusiasts discovered and documented what unusual propagation mode?

- a. Transequatorial skip
- b. D-layer absorption
- c. Tropospheric propagation
- d. Continuous wave

7) Grote Reber (ex-W9GFZ) pioneered what scientific discipline?

- a. Kirilian photography
- b. Telekinesis
- c. Radio astronomy
- d. Quantum mechanics

8) What communication mode pioneered by amateurs has been revolutionized by a Nobel laureate ham's software?

- a. Semaphore
- b. Long-path
- c. Chordal hops
- d. Moonbounce

-From W Silver N0AX



Amateur Radio Quiz-

9) Hams created what worldwide network to distribute e-mail via Amateur Radio?

- a. EMTOR
- b. FEC
- c. WINLINK
- d. FELD-HELL

10) Bob Dennison, W0DX, led the “Gone Waki” team in the first example of what popular activity?

- a. Field Day
- b. Transatlantic DX QSOs
- c. DXCC
- d. DXpeditions

Bonus Question: Which amateur-invented protocol lies at the heart of many commercial location tracking systems?

-From W Silver N0AX



Amateur Radio Quiz-

Answers

1. c -- Invented by Cophorne Macdonald, VE1BFL, in the early 1960s, SSTV is even incorporated in some handheld VHF radios.
2. c -- LDEs are spooky phenomena that are not completely understood, even today.
3. b -- W5LFL transmitted from the space shuttle in 1983.
4. a -- Parametric amplifiers use the nonlinearity of diode junctions to amplify signals.
5. d -- The infamous “200 meters and down” region was supposed to be an exile for amateurs. but it turned out to be quite the opposite!
6. a -- TE was not considered possible at VHF until amateurs found it.
7. c -- Grote combined a love of astronomy and Amateur Radio, creating an entirely new way of “skywatching.”
8. d -- Joe Taylor, K1JT, wrote the *WSJT* software that has brought EME (Earth-Moon-Earth. within reach of amateurs with modest stations.
9. c -- The Winlink system uses a network of “mailbox” stations linked to servers via the Internet to provide e-mail service to traveling hams and for disaster response communications.
10. d -- Bob’s 1948 “Gon-Waki” operation as VP7NG (Bahamas) was the first modern DXpedition.

Bonus Answer: The Automatic Packet Reporting System ([APRS](#)) was invented by Bob Bruninga, WB4APR.

-From W Silver N0AX