



20/9 Amateur Radio Club News



October 2009

Established September, 1952

From the V P's Pen

Once again it's election time. If you don't check in and don't vote, don't complain about how things are done.

All offices are open as always. Call and talk with the candidates about their direction for the club to proceed.

So far, your choices are Richard Hamaker KB8YHC, Allan Avnet AB8AA, and David Mellott KE8KT for President. For VP so far are George Meleski KC8RJS and Bill Egan KD8HCQ. Running for Treasurer is George Bennett N8XKP, and for Secretary Jan Hamaker KC8PUO. We will be accepting nominations from the floor in October, also.

You can reach these folks as follows

Rich Hamaker KB8YHC (330) 792-4019

Al Avnet AB8AA (330) 549-3051

Dave Mellott KE8K (330) 793-0816

George Meleski KC8RJS (330) 651-3833

Bill Egan KD8HCQ (330) (330) 549-5754

Jan Hamaker KC8PUO (330) 792-4019

Voting will be at the November meeting, at the Red Cross building, Tod Avenue, Boardman, the second Tuesday of November. We will meet at 7:00 p.m. Remember to Call, attend, and vote. It's your club, and your program. It will be what you choose to make it.

73s de KC8HSD

Amateur Radio Classes

Technician class started at the EMA 700 Industrial Road on Wednesday's at 7:00 PM, the class began on Sept 16, 2009, with testing on October 21, 2009. This will be followed by a General class starting on November 4, 2009, with testing on December 16, 2009. There will be an Extra class starting on February 24, 2010, with testing on April 21, 2010. Anyone needing books can contact Allan Avnet, AB8AA at 330-549-3051 or W5YI at w5yi.org or 1-800-669-9594

[20/9 Website](http://www.qsl.net/20over9/)

<http://www.qsl.net/20over9/>

Upcoming Monthly Events:

Tuesday October 6th: Officers Meeting at EMA Bldg 700 Industrial Rd.

Tuesday October 13th: Monthly Club Meeting American Red Cross, Tod Ave, Boardman

Community Get-Together

(these events are not organized by the Club, they are just to get together and open to anyone who wishes to attend)

1. The First Saturday of every month meet at the Korner Restaurant in North Jackson at 9:20 AM for breakfast.
2. **The Second Tuesday**** of every month meet at the Eat N Park Restaurant in Boardman for breakfast.
3. **The Fourth Tuesday **** of every month meet at the Eat N Park Restaurant in Boardman for breakfast.

**** Please note the NEW day for the breakfasts****

Remember

Please listen to the weekly nets for any changes to meeting locations, upcoming events, hamfests or operational needs. The Friday night net is a weekly resource to update club information.



[CHECK IN ON THE](#)
[FRIDAY NIGHT NET](#)
[EVERY FRIDAY NIGHT AT 9:20PM on](#)
[145.270 \(-600khz\)](#)
[\(PL 110.9\)](#)

From the Sidelines

Hello, again. Sorry I missed last month, but with the Fair and all, I had no time. Just want to say what a great job everyone is doing on their projects.

The Corn Roast was a lot of fun out there at Lake Milton, with lots of good food and good weather. We had a pretty decent turnout, but could always use more. Rich KC8YHC and Jan KC8PUO, George N8XKP and Steve KC8SOY were the mainstays, with the planning, carrying, and cooking. Good job!

Rich KB8YHC and Jan KC8PUO Hamaker handled the Canfield Fair Special Events station so smoothly...but we could have used a few more folks checking in. Right next door was the big tent, where the trains were running and kids were gathering. Joan KB8UCZ and Jack KB8VRF Twaddle were in the thick of things there, but still got over to the trailer frequently. Many of our number did check in, and even the newer folks were on the air.

Steve KC8SOY Fabry organized a booth at the Columbiana Street Fair just the next weekend, and manned it daily, with the help of Sue Neff KD8CDW, Al AB8AA and Jan K8JAA Avnet, and Bill N8GOB and Dave N8MNE from the SARA club in Salem. Other hams also came by to help and give them a break from time to time, so they could get out and grab a bite and get some fresh air. Many contacts were made for the good of both clubs.

The summer has been a good one, and the coming year will be even better. See you in October. Remember, elections are in November.

Wanda KC8VCT

UPCOMING HAMFESTS

1 Nov 2009

Massillon Amateur Radio Club

<http://www.marcradio.org>

Talk-In: 147.18/.78

Massillon, OH

Massillon Boys and Girls Club Complex

[730 Duncan Street SW](#)

Div: Great Lakes

Sect: Ohio

Amateur Radio Quiz

Taken From the ARRL website

By H. Ward Silver, N0AX
ARRL Contributing Editor
n0ax@arrrl.org

1) What electrical function was performed by a "slop jar"?

- a. Accumulate grid leaks
- b. Rectify ac
- c. Artificial ground
- d. Transient clamping

2) Poulsen invented what device used in early transmitters?

- a. Multiplier
- b. Transformer
- c. Arc
- d. Tuner

3) What type of device was the "audion"?

- a. Vacuum tube
- b. Speaker
- c. Headphones
- d. Detector

4) To what was the nickname "Old Betsy" given?

- a. Transmitter
- b. Receiver
- c. This was the term for "Murphy" before [Murphy's Law](#) was popularized.
- d. QRN

5) Who is most widely credited with first describing vacuum-tube rectification?

- a. Hertz
- b. Maxwell
- c. Armstrong
- d. Fleming

6) Who invented the "single-signal" crystal filter?

- a. Armstrong
- b. Lamb
- c. de Broglie
- d. Marconi

7) A "TRF" is a type of what?

- a. Antenna
- b. Battery
- c. Early coaxial connector family
- d. Receiver

8) In a spark transmitter, what determined the strongest wavelength of the transmission?

- a. Antenna system
- b. Rotational speed
- c. Gap spacing
- d. All wavelengths were of equal strength

9) What was the original name for radio waves?

- a. Cathode rays
- b. Ethereal waves
- c. Alpha particles
- d. Hertz or Hertzian waves

10) Who discovered the electron and in what year?

- a. J J Thomson (later, Lord Kelvin) in 1897
- b. Dimitri Mendeleev in 1859
- c. Ernest Rutherford in 1915
- d. Albert Einstein in 1904

Bonus: What was the first solid-state device used in wireless communication?

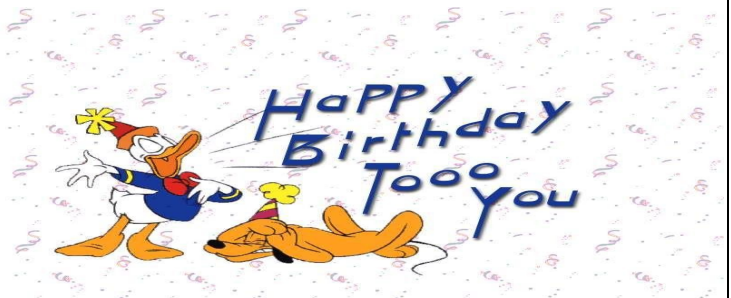
CHECK YOUR ANSWERS:

- 1. b -- Consisting of strips of dissimilar metals in a caustic lye solution, you can see where the rectifier got its name.
- 2. c -- A Poulsen arc, also called an arc converter, converted dc into RF.
- 3. a -- A triode amplifier, manufactured by Lee DeForest.
- 4. a -- Old Betsy was Hiram Percy Maxim's rotary spark-gap transmitter, [on display at W1AW](#).
- 5. c -- Fleming made use of the Edison Effect to create the first electronic device, the thermionic diode.
- 6. b -- Lamb applied the quartz crystal as a filter to limit receiver bandwidth.
- 7. d -- Tuned Radio Frequency receivers preceded the superheterodyne.
- 8. a -- The combination of the antenna's natural resonance and the coupling circuit from the spark gap acted formed a low-Q tuned circuit.
- 9. d -- For the physicist Hertz who conducted the first

experiments with electromagnetic waves in 1887.

10. a -- Only four years later, Marconi spanned the Atlantic, 14 years before the discovery of the atomic nucleus!

Bonus: The Branly coherer consisted of an insulating tube filled with fine metallic particles -- usually iron filings -- squeezed between an electrode at each end. When a radio wave passed through the filings, their conductivity increased, allowing an external circuit to respond, creating a radio wave detector. Interestingly, vacuum tubes quickly replaced the coherer as a detector, delaying an understanding of the physics of its operation until 2005! The full story is told in the September 2009 issue of *IEEE Communications Magazine* by Jean-Marie Dilhac.



October's Birthday's

- Jane Avnet K8JAA 2nd
- Gary Patterson N8IIV 4th
- Chris Monske KD8ELY 9th
- John Davison W8ZI 13th
- Don Hatala AB8GW 18th
- Lucas Vega N8VL 18th
- William Egan KD8HCQ 23rd
- Nancy Carlson N8YFA 30th
- Doug Sage KB8TPG 31st

Happy Birthday To ALL!

Have an Idea for a Fundraiser

Let the Officers know.

We need to have a fundraiser soon, can you help participate? Maybe coordinate? Let us know.

Want another Pancake Breakfast or Spaghetti Dinner? Is there one you prefer more?

Special Thanks to Our Printer:

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27 E Broad St, Newton Falls, Oh 44444

This is the K8TKA's News for October

NEWSLETTER EMAIL ADDRESS

K8TKAnews@hotmail.com

****Have an idea for an article or activity or want to write your own article? Let us know. Only requirement is the article or activity be of a positive nature.****

SEE YOU NEXT MONTH!

*******Don't Forget nominations will open this month and will close in October with elections in November. Come out and join in and VOTE!**

Remember it is YOUR club and your vote counts and matters how your club is run.*****

Come out and Join Us!

Bring a friend or your family. No one is too young to get involved in Amateur Radio.

We look forward to seeing you.

Watch next month for the nominees for elections and don't forget absentee ballots are always available.

YOUR VOTE COUNTS! One vote can make a difference

Club Officers

President: Allan Avnet (AB8AA)
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Treasurer: Rich Hamaker (KB8YHC)
KB8YHC@zoominternet.net 330-792-4019

Secretary: Jan Hamaker (KC8PUO)
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