



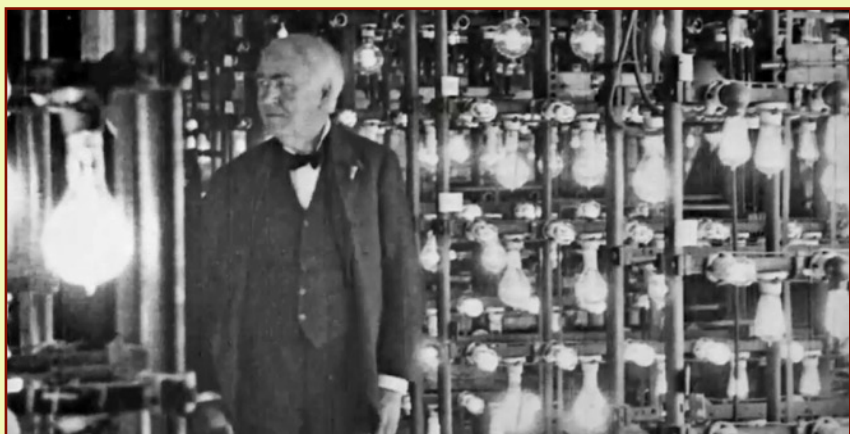
# July - August 2016

# Invention of the Light Bulb | How We Got to Now: Light

Thurs Aug 11th at the  
Salvation Army  
8354 W Foster Av  
Norridge - 7:30PM

**A PBS Series presentation by Steve Johnson**

Though we often credit Thomas Edison with the invention of the light bulb, he and his team built on more than 40 years of research by other inventors and engineers. In 1878, Edison bought up an existing Canadian patent for an early light bulb, brought together a team of engineers—setting up the world’s first research and development lab—and worked with them for two years before unveiling a light bulb that could burn for more than 1,000 hours.



## **SRO Notes for June 9, 2016 (Or: The silence of early recordings)** *By Jim Hawes AA9DT*



TONIGHT'S MEETING opens to the clarion call of the trumpet. Six horsemen enter the Citadel parking lot at a gallop, slow to a trot, and circle once. Then in a flourish, they raise their brass instruments and articulate the world-famous SRO melody: Dit-dit-dit, and dit-dah-dit. And then of course, the final dah-dah-dah. We merrily sing along, clapping to the perky beat. Music to the ears!

SRO CHIMES. Next, the Salvation Army's excelsior clock tower chimes 7:30 p.m. Now, you might wonder how a mere chime can signal "p.m." Why, of course and eureka: We have a bell just for the evening hour! This is why our tower is an excelsior installation: The only one of its kind east of the Clock Tower Museum in Rockford, Illinois. (And the museum has the only such clock east of the NIST transmitter WWV in Fort Collins, Colorado. Don't ask it to "play Nisty for me." Them's fightin' words.) Tonight our p.m. chime is a bit flat, indicating that we're flat on time this evening.

TREASURER'S REPORT. The club remains solvent. Details of our financial status are strictly for club members. A verbal report will be available to members at the next general meeting. Our next meeting will be in August. Secretary of the Treasury Mike Brost paid the club's insurance today. He's a little lighter in the wallet area, but still standing. The April auction earned an incidental sum. Earnings accrue to the holiday party fund. We're proud to announce that the auction will provide one extra glass of water. Still, the auction's entertainment value greatly enriched us all.

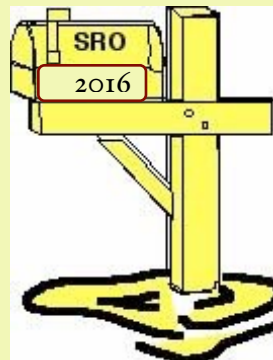
BUSINESS. Are we out of business? No, but members didn't introduce any new or old business tonight.

TONIGHT'S PROGRAM is a history of sound reproduction with host Steven Johnson. This program is an episode of the "How we Got to Now" series. The show presented recordings by Édouard-Léon Scott de Martinville. Unlike Edison's later phonograph, Scott never designed a playback mechanism. Computer analysis allows us to listen to Scott's recordings for the first time. (They aren't good.) Besides these two esteemed inventors, the program detailed work by Bell, Berliner, and more recent inventors. A fascinating highlight: Hedy Lamarr's invention of spread spectrum technology with composer George Antheil.

## Meeting Attendance



Mike WA9FTS	Mike WA9EVF
Wanda KC9LRZ	Pete WV9P
George W9GFH	Jean KB9FXL
Len N9LEN	Jim AA9DT



**If you move, let the Editor know your new mailing and email addresses. It is our way of getting Mike Shy to you each time.**

## Foxhunt Report



CFAR 2M Foxhunt - June 4th, 2016 by Mike WA9FTS

Tony suggested that we start further south in the parking lot away from parked cars. Marty showed off his mod to his antenna mount putting the antenna higher up in the air. The fox was John WD9EXW who's first transmissions were not heard. After several minutes, a weak but hearable signal could be heard and the 5 hunt teams were off. Tony and Tom took off south on Rt 83 with Marty, Don and Matt's team heading west on North Ave. Tony took St. Charles to 355 south to 88 and west to County Farm Rd north. Marty and Don went past 355 and Matt's team headed south to Roosevelt Rd and west to County Farm. We spotted the DuPage County facility where Janet (John's wife) works. We headed up to Jewel and east. John was directly south so we went to a road just east of the DuPage Co Fairgrounds. The Six Meter Club will have their hamfest there on June 19th. Tony was driving ahead of us and went into the county facility parking lot. Matt and I got out on foot and separated. Matt noted that in the past someone hid on the elevated walking path. I took that and Matt stayed on the ground. I travelled the entire elevated path and found that John was close to the path but on the ground. Coming back I met Matt and Patty and they told me they found John for 1st. John was running about 30W to a tape-measure beam up 6 ft in a tree pointed at the start. I headed back with Jacob and Mac to about where John was hiding and Tony arrived to find John for 2nd. Tom was at the north end of Graf Park looking into the woods. Don called in to DNF and shortly Marty called in to quit due to technical problems. His antenna was too hard to turn. He will work on that for the next hunt. Sometime later, Tom arrived to end the hunt. We met at Giordano's on North at Lambert for munchies. Carol KB9FYL and Kelsey KA9KDC joined us. Results:

1. Matt KC9SEM, Patty N9PLS, Mike WA9FTS, Jacob, Mac - 8:47 PM
  2. Tony AA9CC, Joan KC9QQY - 9:01 PM
  3. Tom N9CBA - 9:15 PM
- DNF Don W9RA  
DNF Marty N9LTE





## Foxhunt Report



CFAR 2M Foxhunt - July 2nd, 2016 by Mike WA9FTS with Carol

This was another great night for a hunt. It was a clear sky with temps in the low 70s. Carol and I headed out to Addison. I got out in a parking lot off Lake St just west of Villa Av and 290. I found a spot in the woods north and east of the Salt Creek. I crossed a bridge and found a tree to prop a J-Pole which was on top of a 5 ft pole. I used a Yaesu VX-6 running 0.3W. Don K9VGJ and Jo were conversing with the hunters at the starting point. Only two hunters showed up as the hunt started at 8:05PM. It was a strong signal as the hunters headed north. Don turned around at Foster on Rt 83 and Tom went up to Thorndale before going south and west. At 8:54 I spotted a hunter walk past me on the bike path. At 8:56, Don gave up and at 8:57, Tom went off the path to find me for the win. The hunt was over. Carol came back from SunMist to pick me up. Tom's sister, Marsha, visiting from CT, joined us. Don and Jo also arrived at the SunMist.

I. Tom N9CBA,  
Marsha  
DNF Don W9RA



## MINING ASTEROIDS

Are there asteroids rich with stores of precious and rare metals: Not just gold, but say iridium, osmium, palladium, platinum, ruthenium, and rhodium? Could we find diamonds in space? Possibly yes! Researchers think that perhaps mining asteroids could be one answer for finding such unusual and useful substances. Of course, in some ways, rarity is an advantage. If rare commodities become common, the market could disappear. (Example: Note the recent shutdown of many fracking operations. Layoffs ensued after these operations succeeded in drastically reducing the price of oil.) What if every girl has a diamond? Then maybe a diamond really isn't a girl's best friend. Common substances would also be in demand. For example, water for other space missions. Why return to earth when you can find water in space?

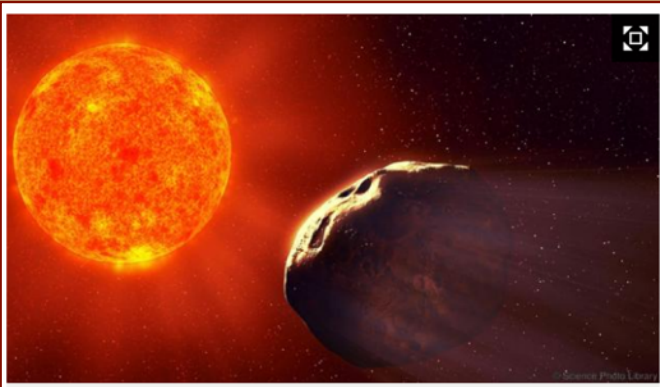
HOW WOULD WE DO IT? With robots: A spacecraft that would land 3D printers on the target asteroid. These printers would build robots that would traverse and mine the asteroid. How would we keep the payload of the delivery rocket light? The printers and robots would use locally available materials. The robots would also erect a base that would process cargo for transport to the earth. A priority would be shelter from solar and cosmic radiation that can damage microcircuits.

For more information on asteroid mining, see my references at BBC and Space.com...

<http://www.bbc.com/future/story/20160103-the-truth-about-asteroid-mining>

<http://www.space.com/30213-asteroid-mining-planetary-resources-2025.html>

Submitted by Jim AA9DT



## Upcoming Hamfests

Hamsters Radio Club Hamfest - Aug 7th at the Will Co Fairgrounds - Peotone IL - Flea Market open at 6AM - Exhibits at 8AM - VE Testing 8AM-10:30AM - For info: [www.hamfesters.com](http://www.hamfesters.com)

Peoria Superfest - Sept 17-18 at the Exposition Gardens, 1601 W Northmoor Rd, Peoria IL - For info: [www.w9uvi.org](http://www.w9uvi.org)

Radio Expo 2016 - Sept 24th at the BooneCounty Fairgrounds - Belvidere IL  
See next page for more information.



DEALERS

FLEA MARKET

FOOD – Breakfast – Lunch

VEC TESTING

9AM – NOON

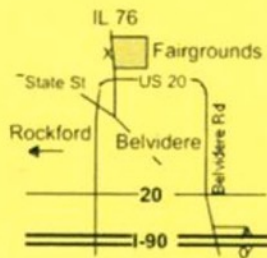
Talk-in Repeaters

147.255+ 114.8PL Rockford

444.725+ 107.2PL Rockford (System Fusion)

146.760– 107.2PL Chicago

443.750+ 114.8PL Chicago



RADIOS!

COMPUTERS!

ELECTRONICS!

Boone County

Fairgrounds

8791 IL 76

US Rt 20 & IL 76

Belvidere, IL

61008

42°28.10' x 87°56.44'

FREE PARKING

RVs or Motor

Homes

Water-Electric \$35.00

No Waste Service

Indoor Market: 8AM – 3PM

Outdoor Flea Market: 6AM – 3PM

## Saturday September 24th, 2016

Advance Tickets - \$8.00 – At the Gate - \$10.00 – Kids under 12 Free – Tickets required with tables

\_\_\_\_\_  
Name & Call                      # of Tickets                      x \$8 = \_\_\_\_\_

\_\_\_\_\_  
Address                      All tables                      x \$15 = \_\_\_\_\_

\_\_\_\_\_  
City, State, Zip

Phone                      Email                      \$10.00 – Inside Electric \_\_\_\_\_                      Outside Electric \_\_\_\_\_

For event questions: Call 773-614-4733

Email [wa9orc@gmail.com](mailto:wa9orc@gmail.com)

Flyer on website <http://www.chicagofmclub.org>

Make Check payable to:

Chicago FM Club

218 S. Fairview Ave

Park Ridge, IL 60068

Total \_\_\_\_\_

CFMC reserves the right to make any necessary changes required

Vendor setup is Friday, September 23 from 9:00 – 5:00PM with security over night.

### SRO Officers

President  
Mike Leibovitz - WA9EVF  
Vice President  
Jean Pressel - KB9FXL  
Secretary  
Jim Hawes - AA9DT  
Treasurer  
Mike Brost - WA9FTS

### SRO Directors

Don Moriarty - W9RA  
Jon Tammen - K9IQF  
Jean Pressel - KB9FXL

### Mike Shy Staff

Editor/Circ. Mgr.  
Mike Brost - WA9FTS  
E-Mail: [mikeb2006@comcast.net](mailto:mikeb2006@comcast.net)  
708.457.0966 Voice

Mike Shy is published 6 times a year by the Society Radio Operators. Deadline is 2 weeks before the meeting. Contributions are welcome & should be sent to the Editor.

### Regular Meeting Place

Salvation Army every even month at 7:30 PM unless other-wise indicated in Mike Shy and SRO web site. Check for exact date & time.

### Standing Committees

Membership - WA9FTS  
Program - AA9DT  
Meeting Refresh. - KB9FXL  
Foxhunting - WA9FTS  
Repeater - K9IQF  
Field Day - WA9EVF  
Education - WA9EVF  
Mike Shy - WA9FTS  
Picnic - WA9FTS  
Christmas / Hanukkah Party - WA9EVF  
Webmaster - WA9FTS

### SRO Web Site

[www.w9sro.org](http://www.w9sro.org)  
Mike Brost - WA9FTS

### SRO Repeaters

	In	Out
CFAR (107.2) PL	147.750	147.150
TOOFAR (110.2) PL	223.260	224.860

### Repeater Personnel

Trustee - To be determined  
CFAR Chairman - K9IQF  
Site Maintenance  
K9IQF, W9RA & W9BEA  
Control Operators  
K9IQF, TBD  
NW Maintenance  
W9JEM  
Northeast Maintenance  
K9IQF & TBD  
Lisle Maintenance  
WA9AEK

**Regular meetings** - Salvation Army  
- 8354 W Foster Av, Norridge

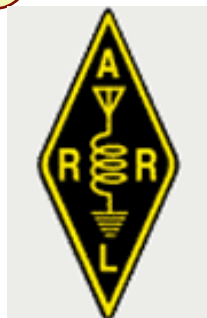
**Board Meetings** - To be announced

## Mike Shy

**Mike Brost - WA9FTS - Editor**  
**5127 N. Monterey Dr.**  
**Norridge IL 60706-3245**



First Class Mail



# Invention of the Light Bulb | How We Got to Now: Light

Thurs Aug 11th at the  
Salvation Army  
Norridge - 7:30PM