



# Mike Shy

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## How We Got To Now - Cold

Thurs Feb 9th - 7:00 PM

Only in the last 200 years have humans learned how to make things cold. Steven Johnson explains how entrepreneur Frederic Tudor made ice delivery one of the biggest export business in the U.S. and where Clarence Birdseye, the father of the frozen food industry, experienced his eureka moment. He also travels to Dubai to see how cold has led to penguins in the desert. From IVF to food, Hollywood to human migration, the unsung heroes of cold have led the way.

### President's Message

Well the New Year is upon us. I have started an archaeological dig in what used to be my "Ham Shack". It is interesting what I have been finding under tons of junk. After buying several dollars of capacitors at the Wheaton Hamfest, I found I had a pile of caps under the junk on my work bench. I have found a concrete floor under piles of wire pieces as well as several missing whip antennas. There is still more digging to do, I expect I will find a Drake 4B line on the operating bench sometime this year.

So in the mean time I have been working with a friend getting his Elecraft K3 working with his computer. This has been an interesting project, making three programs talk to the Elecraft. I have been learning about Virtual USB ports, which I had not heard of before this project. It's been fun. Now a logging program V7CC which monitors who is working DX on what frequency, can automatically set the Elecraft right on the correct band and frequency. While MMTTY program talks to the Elecraft and runs RTTY or other data modes. Next will be N1MM software.

I find I enjoy working on the Hardware more fun than talking on the radio but when I get my station back on the air that might change.

Well that's it for now  
DE WA9EVF Mike

SRO Notes for December 14, 2016 (Or: Park your sleigh just off 83 & Oakton)

By Jim Hawes AA9DT

TONIGHT'S MEETING is our joyous Hanukkah and Christmas party. We queued up at the Hibachi Grill Buffet in Elk Grove Village. As the song goes, "Baby It's Cold Outside". But it's cozy and warm at the Hibachi. Our group intermittently fills two long tables. I say intermittently because several of us frequently return to the buffet to restock.



THE FOOD is plentiful, diversified, and delicious. I don't have room for dessert, but every taste, kind and pleasure is available. Ice cream, cake, and pie concoctions with cookie toppers appear all around me. Load a mound of chocolate, caramel, marshmallow, strawberry, vanilla, and Rocky Road atop that. And to reset the sweet tooth, how about a mug of coffee, tea, or cocoa? Or perhaps something else warm and exquisitely snuffly: Snuffly? Why, yes. In Japanese, that describes a delicacy that is unknown outside of the Elk Grove Orient.

TREASURER'S REPORT. Treasurer Brost-san, WA9FTS reports that we can afford tonight's West suburban junket. Our reserves, plus your gracious dues contributions will allow SRO to celebrate again next December. At the next general meeting, Mike will present details of our club finances.

CLIFF HANGER. Last time, we left our president, Mike Leibovitz, tumbling down a lava chimney in Idaho. Let's retrace our steps and learn how Mike averted catastrophe. (Catastrophe would be the next town there in Butte County.) Actually we can safely assume that Mike survived. Tonight he continues his spelunking at the salad bar.

REVISITING THE EBR-1 NUCLEAR REACTOR. The reactor is in the desert, between Arco and Idaho Falls, ID. (Actually not in Atomic City, as I may have reported last time.) The reactor first went online in 1951, powering four 200-watt light bulbs. To this day, the laboratory wall bears the names of the original engineers. After the reactor successfully powered the light bulbs, the team chalked its names there. (Mike said that he could still read the names. Any relatives there, Mike?) The purpose of the EBR-1 was to prove that a breeder reactor was possible: That is, that a reactor can produce its own fuel. Confirmation finally arrived during tests in 1953. The reactor runs at 800 degrees. (If the core ever reached 1600 degrees, the NaKó sodium/potassiumó coolant would boil.) The EBR-1 is near the Idaho National Laboratory, where nuclear research continues today.

ATOMIC JET ENGINES. Last time, I mentioned the atomic aircraft engines that Mike and Cathy saw at Idaho Falls. The government knew these prototype engines by the enigmatic handles HTRE-1 and HTRE-3. (For Heat Transfer Reactor Experiment-1 and -3.) These engineering behemoths are leftovers from the abandoned Eisenhower-era Project NEPA. (NEPA means Nuclear Energy for the Propulsion of Aircraft.) At one time, operating on test stands, these engines actually produced considerable thrust.

BACK TO CRATERS OF THE MOON. The park has 60 lava flows. The newest is a youthful 2,000 years old. Cave exploration there requires a permit. The reason for the permit is wildlife conservation. The permit stipulates wearing fresh clothes, so that one doesn't inadvertently transit bat fungus. This aggressive fungus (*Pseudogymnoascus destructans*) can kill hibernating cave bats. It causes the infection White Nose Syndrome. As the syndrome advances, the fungus colonizes the bats muzzles, wings, and skin. In some caves, the bat die-off rate exceeds 90 percent. The fungus appears in 26 states. (Scientists are studying a bacterium that might slow the growth of the fungus.) Permit in hand, Mike and Cathy entered a lava cave. At the door, a guard bat punched their permit.

## Hibachi Grill - Holiday Party Dec 14th

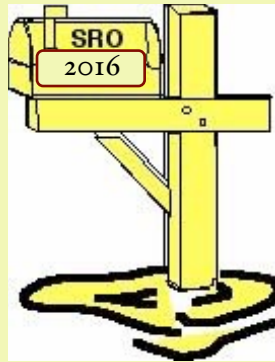


## Meeting



### Holiday Party - Dec 14th

Mike WA9EVF	Jean KB9FXL
Cathy KA9ZWZ	Ellen
Cal WA9KLF	Jim Barnard
Mike WA9FTS	George W9GFH
Carol Sparacio	Cathy Haber
Pete WV9P	Fay N9FA
Pete Pfister	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.**

**CFMC Upcoming Regular Meetings - 16th District Police Station  
5151 N Milwaukee Av, Chicago - Wed Feb 22nd / Mar 22nd - 7:30 PM**

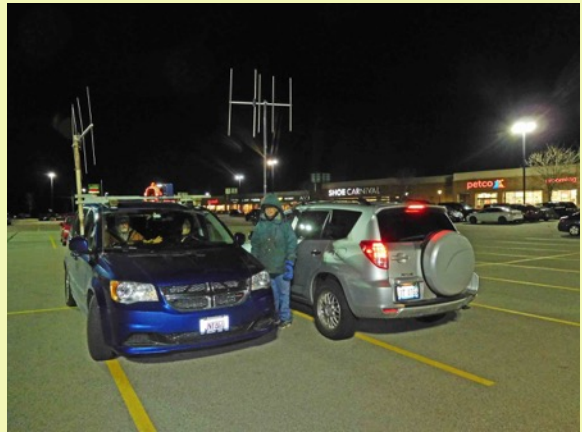
## Foxhunt Report



CFAR 2M Foxhunt - Jan 7th, 2017 by Mike WA9FTS

There were 5 hunt teams waiting for Pete's first hid as the fox. He started the hunters out with a strong signal to the NW. Most of the hunters took 290. Tony who made his first appearance since mid 16, took Roselle north. John's team took the Elgin-O'Hare to Lake St. We then had to come back to Schaumburg where Pete lives and close to the Fox Run Golf Course. Eventually we found Pete and his friend John K9JK in Pete's van snug and warm. They were parked off Pratt Blvd west of Roselle Rd and north of the Elgin-O'Hare. There was a short paved road (about 200 ft) west of the Bethel Protestant Reformed Church. Tony got there 15 minutes earlier for the win. Tom Showed up 3 minutes after our surprise 2nd. We left and met Don down the road near Roselle. He made it to Pete and John for 4th. Marty had antenna problems and found out his antenna was loose on his mast giving him a 80 degree error. We met at Pilot Pete's at the Schaumburg Airport. Results:

- 1 Tony AA9CC - 8:35 PM
  2. John WD9EXW, Mike WA9FTS, Janet - 8:50 PM
  3. Tom N9CBA - 8:53 PM
  4. Don W9RA - 8:59 PM
- DNF Marty - Equipment problem



## Boy Scouts' Radio Merit Badge Requirements to Include Amateur Radio Direction Finding Option

01/04/2017

[UPDATED 2017-01-07 @ 1522 UTC] The Boy Scouts of America (BSA) have updated the requirements for the Radio Merit Badge for 2017. A new option for the Radio Merit Badge is Amateur Radio Direction Finding (ARDF). ARRL ARDF Coordinator Joe Moell, KØOV, said he's "really excited" about the move, and he credited Jamboree on the Air Coordinator (JOTA) and K2BSA trustee Jim Wilson, K5ND, with being the "spark plug" behind the ARDF addition.

"Jim visited a training session at the USA ARDF Championships in Texas last April and realized what an excellent activity that on-foot hidden transmitter hunting can be for Scouts," Moell recounted. "Working with Brian Coleman, KBØMAP, Jim authored the new ARDF Radio Merit Badge syllabus, which was then reviewed by several leaders of US ARDF community."

A first draft of the new merit badge pamphlet is anticipated later this month or in early February, with formal publication expected late this year. Moell said the new merit badge requirements, effective on January 1, come in time for the July 2017 National Scout Jamboree in West Virginia, where an ARDF course and equipment will be available to Scouts of all ages. ARDF already has a role in JOTA. The Radio Merit Badge ARDF option combines orienteering and foxhunting and opens a new interactive component to this program.

New Radio Merit Badge requirements include cellular telephones and different types of radio modulation. Key requirement being dropped from the Radio Merit Badge include open, closed, and short circuits, as well as schematic symbols and components, because these are covered in the Electricity and Electronics Merit Badges.

The BSA also made some minor editorial changes and reordered requirements for the Amateur Radio option. The radio broadcasting option now includes Internet streaming, regulations and power levels. A medium-wave and shortwave listening option includes both types of listening, as well as listening via streaming services on a smart phone.

The BSA has posted a list of frequently asked questions (FAQs). Scouts are encouraged to follow the new requirements, although the guidelines may allow use of the previous requirements in some cases.

## Here Is How To Create A Really Secure Password - And Remember It!

WARNING - HELLO: In today's bizarre and dangerous cyber environment, it is extremely important that you follow good computer and personal financial security protocols. Before you Forward any e-mail; to help stop potential computer - hackers - malware - viruses; for better security and for your and your e-mail recipients additional protection; it is always advisable to delete any e-mail addresses that may be displayed in the content header. This is done After you click Forward and immediately before you click Send.

Just Highlight the addresses and click Delete.> Occasionally you have to do that twice!

If you try to delete any e-mail addresses that are displayed in the INBOX content heading before you click Forward you will Delete the E-mail.

Periodically I send out Cyber Security Alerts or information about protecting your computer. You should always have Windows and any other program that will update automatically set for Automatic Updates. Be sure you frequently check that Adobe, Java, Anti-virus, Antispyware and any other programs you use are up to date. If you have a simple Computer problem, I may be able to help or direct you to a resource to fix it. Send a Reply or E-mail with HELP REQUEST in the Subject Line.

CAUTION It is risky to use Java under any circumstances unless absolutely necessary.

If you have friends that would like to receive these occasional e-mail information alerts, have them forward an e-mail and type in the Subject Line - INCLUDE ME.

If you prefer not to receive these occasional e-mail information alerts, please click REPLY and simply type in STOP SENDING in the Subject Line.

PASSWORDS A simple way to create an extremely secure password that most people can remember is create a sentence similar to the following.

June 24 Sharon and Bob bought 6 pounds of Apples at 3 % discount for \$5.00 and 7 pounds of Grapes at 8% discount for \$9.00 at Gracies Market

Resulting Password > J2S&Bb6poA@3%d4\$5&7poG@8%d4\$9@GM

Or = J2S& Bb6p oA@3 %d4\$ 5&7p oG@8 %d4\$ 9@GM (32 characters)

## Foxhunt Report



CFAR 2M Foxhunt - Feb 4th, 2017 by Mike WA9FTS

Tony AA9CC had 5 hunt teams ready and he got the hunters off with a weak but hearable signal to the SW. Matt's team took 83 to 290 to 355 south to 55 to Joliet Rd, Intl Pkwy to Lemont Rd across the canal and back to Canal Bank Rd and back to an opening in the trees with tire tracks and a very narrow path with cement barriers next to the canal. We got out and headed on foot with Tom arriving behind us in his car. There was a flashlight in front of us - who was it? Matt and I found Tony's jeep with Matt heading one way and I in another. Pete was the one and showed up with his flashlight. I turned around to find Matt and Pete walking toward me as I walked past to find Tony well-cameoed on the ground. He was running 35 to his twin antenna he uses on his car. I found out that Matt beat Pete out by seconds. Tom arrived to secure 3rd. Since Don said he was going to the restaurant, Tony thought I was hunting with John and broke down his equipment. John wanted another transmission. Tony found out I was with Matt and Patty and went back to set up. John shortly gave up and we all headed to Gelsosomo's Pizzeria in Lemont. Results:

1. Matt KC9SEM, Mike WA9FTS, Patty N9PLS, Jacob, Mac
  2. Pete K9PW, John K9JK
  3. Tom N9CBA
- DNF Don W9RA  
DNF John WD9EWX, Janet



### 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

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 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 - TBA  
 CFAR Chairman - K9IQF  
 Site Maintenance  
 K9IQF, W9RA & W9BEA  
 Control Operators  
 K9IQF, TBD  
 NW Maintenance  
 W9JEM  
 Northeast Maintenance  
 K9IQF & TBD  
 Lisle Maintenance  
 W9AEK

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

**Board Meetings** - To be announced

# Mike Shy

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First Class Mail



How We Got To Now -  
 Cold

Salvation Army

Feb 9th - 7PM

