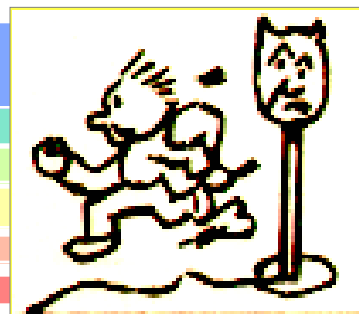




Mike Shy

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Society Radio Operators



Volume 70 Number 8 - 9

August - September 2010

Upcoming Events

Peoria Superfest
Sep 18th at the
Exposition Gardens
1601 W Northmoor
Rd - Peoria
For Info: John Coker
N9FAM at:
n9fam@arrl.net

Radio Expo 2010
Sept 25th at the
Boone Co
Fairgrounds
Belvidere IL
For Info: Mike Brost
WA9FTS at:
mikeb2006@comcast
.net

Chicago Marathon Oct 10th

For Info:
leads@hamradiochicago.org

Japan's Secret Submarines

Edgebrook Field House
6100 N Central Ave - Chicago
August 11th 8:00 PM

**Two World
War II
Japanese
submarines,
designed with
revolutionary
technology to**



**attack the U.S. mainland, have
been discovered off the Hawaiian
coast of Oahu. They are the I-14,
which carried two aircraft while
submerged; and the I-201, one of
the fastest attack subs of WWII.
The submarines are widely
believed to have been
intentionally sunk by the U.S.
Navy at the end of the war to
keep the technology from the
Soviet Union.**

Mike Shy

Meeting Minutes

by Jim AA9DT



SRO Regular Meeting - June 9th at the Edgebrook Field House

SRO Notes for June 9, 2010: Hello, Starshine!

By Jim Hawes, AA9DT

JUNE MEETING. Mike Brost WA9FTS is up in the attic. He's installing stars, planets, moons, asteroids and other celestial bodies for tonight's meeting. Oh, here he is! With a flourish of stardust and a puff of solar wind, Mike Leibovitz WA9EVF calls the meeting to order. (Check the sundial, Bullwinkle.) Hmm. It's about eight comets past a meteor. Mine must be a little slow.

TONIGHT'S PRESENTATION. Life & Death of a Star. Mike Brost tightens his space-time C-clamp on cosmic history and squashes it into one ham meeting. Match that, Carl Sagan!

IN THE NEWS. Imagine a world where astronomers use ice telescopes to map the universe. We live on that world. The idea is to plot the elusive tracks of neutrinos passing through the earth. A \$271 million "Ice Cube" observatory is under construction at the South Pole. The observatory consists of 86 holes that scientists are boring into the ice with hot

water drills. The holes penetrate as far as 1.5 miles into the ice cap. The enormity of the detector is necessary because neutrino collisions with ordinary matter are quite rare.

Engineers will seed the holes with 5,000 electro-optical sensors. The engineers wire the sensors in series strings, 60 sensors per string. The sensors freeze forever in place. Each sensor can detect the collision of a neutrino with a normal atom. This collision will cause an infinitesimal blue spark that one sensor can record. Sensor accuracy is within five billionths of a second.

The scientists will plot the tracks of the sparks, creating lines. Supposedly the lines will point to the source of the neutrinos, distant stars in space. Eventually a detailed map will result. The data will support research by 35 laboratories in seven countries.

3D CAD. With prices for 3D modeling software dropping, small businesses can at last afford the software. AutoCAD and SolidWorks have come out with reduced-cost versions. For \$4,000 to \$20,000, a company can start producing 3D CAD drawings. Price still too steep? Google offers its 3D CAD application as a free download. Google's SketchUp might not be as sophisticated as AutoCAD or SolidWorks. Still, a Ma and Pa shop can't beat the price. The Wall Street Journal cautions that each of these programs also requires a very powerful PC. Another hidden cost is that these apps

Continued on Page 3

Mike Shy

Meeting Minutes

Continued from Page 2



require expert users, or impose a protracted learning period. Yet today companies can strike out on a different path. SensAble Technologies produces a CAD program that eliminates calculations and even ditches the mouse. Instead, the drafter operates a joystick-like tool. Through haptic feedback, the drafter feels simulated raw material as if he's machining it. SensAble's software tool FreeForm can arrive on your desk for \$17,500.

When I was at Midway, I worked on games that used this same technology. We called it force feedback. Our driving games used haptics to simulate centrifugal force against the steering wheel. Meanwhile, the system operated sub-woofers to make the driver's seat vibrate to the beat of the simulated V-8 engine.

3D PRINTER. Back to the world of product modeling. Of course, product prototypes are the next step. Now the entrepreneur begins shopping for a 3D printer. Only a few years ago, 3D printers were beyond the pocketbook of all but the wealthiest companies. The Journal mentions printers that are capable of producing 3D models at a reasonable price. The printers come from these companies: Objet Geometries and ZCorp. The most economical of these printers cost from \$15,000 to \$25,000. Of course, a company could also outsource the

model-making step.

With these technologies and a skillful team, a company can turn out a prototype within a week. Another advantage of the new tools is that the software can rapidly resize the product. The second prototype can come out in hours instead of weeks.



Treasurer's Report

by Mike WA9FTS

Balance as of 1/1/10	\$1775.44
Income	\$640.05
Auction	
CFAR Contributions	\$140.00
Hamfest Inc	\$13.00
Membership Dues	\$480.00
Expenses	\$183.27
Annual Report	\$10.00
Meeting Refreshments	\$13.27
Insurance	\$160.00
Total Income/Expenses	\$456.78
Balance as of 8/2/10	\$2232.22

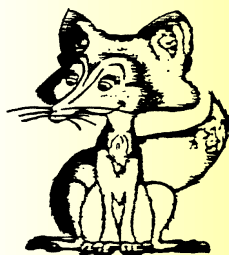


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LET THE EDITOR
KNOW YOUR
NEW MAILING &
EMAIL ADDRESS
- IT IS YOUR
WAY OF
KEEPING MIKE
SHY IN YOUR
MAILBOX EACH
MONTH**

Mike Shy

Foxhunt Report

by Tom N9CBA



CFAR Fox Hunt Report June 5th 2010

by Tony AA9CC

After spending much of the day pulling the transmission from Joanie's jeep and a failed attempt at constructing a collinear hide antenna, with the pending threat of more downpours, we decided on a simple hunt. On searching for a spot we were surprised to see 6 large turkeys walking on a nearby road. An error on Google Maps shows Schaffner as a through street, and not a foot path. Antenna was a 1/4 wave mag mount horizontal on the tennis court fence driven with 5 watts. All 4 hunt teams had a weak but discernible signal at the start. Joanie and I were both within 3 minutes of predicting the first place arrival time. We are considering an unfair advantage, since the winning team are UPS drivers familiar with Wheaton.

Results: CFAR June 5, 2010 Foxhunt

1 KC9SEM, Patty and Matt 8:44 (scanning electron microphone)

2 N9CBA with WD9EXW, Tom and John 8:52

3 W9RA, Don (Don hunts with no gear)

4 WA9FTS, with N9LXF Paul and Mike (Fouled up on the last mile)

We got lost giving Mike and Paul a ride back to the van in the twisty road subdivisions to the north and then again driving to munchies at Three Dwarfs Inn (Is munchies term still valid, it seems so 70's), passing Atten park several times. Joanie had a large Sunday and I waffles.

CFAR Fox Hunt Report - July 3rd, 2010

by John WD9EXW hiding for Matt KC9SEM

It was a nice evening, clear, warm & climbing humidity.

4 cars - KB9DIM, N9CBA, AA9CC & Joanie, W9RA were hunting.

I had good intentions, I thought it's been awhile since someone hid close by. I scouted the area earlier. Returned at 7 with gear & Janet. Hiding only a short distance away, I wanted to be well concealed. Had a roll of co-ax, and a ton of good spots.

Forgot the antenna! Janet left to get it. I scouted some more. Antenna turned out to have a bad connector. Radio lost memory, and I couldn't remember how to turn on the tone. I elected to go simpler, because I had trouble being heard. Went with Larson 1/4 wave 8' above me and 5 watt HT. Lucky I was close, not sure what would have happened had I been 10 miles further. Only had one hunter phone number - and he had forgotten his phone!
Released at 8:10

I was along Salt Creek, west side. 1800' north of Eldridge Park, and 150' behind the Waterford Banquet / hotel

Saw Don first, then Charlie, other side.

1 - N9CBA at 8:38

2 - KB9DIM

3 - Tony had some equip problems, but made it in.

Don got close, deciding a burger & coke sounded good about then

Munched at Portillo's

August CFAR Foxhunt

Tom N9CBA will be hiding and the results of the hunt will be in the next issue of Mike Shy.

CFAR Hunt Info

CFAR foxhunt is scheduled every first Saturday of the month. Hunters gather at the shopping

center at Rt 83 and St Charles Rd in front of the Sears Essentials store. All are welcome to participate in finding the fox.

Mike Shy

Meeting Attendance



June 9th

at the Edgebrook Field House

Mike WA9EVF
Jean KB9FXL
Jim AA9DT
Mike WA9FTS
Cathy KA9ZWZ

Steve K9VO
Lynne N9CBE
Marc AB9OP
Pete N9VKY
Paul N9LXF

Birthdays



For the months of
August - September

N9FA	C Fay Jacobson	Sep 3rd
N9FO	James Creek	Aug 18th
W9MOL	Lee Knirko	Aug 14th

More Japanese Secret Sub Pictures



SRO Officers

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

SRO Directors

Jim Quinn - K9JQ
Don Moriarty - W9RA
Jon Tammen - K9IQF

Mike Shy Staff

Editor/Circ. Mgr.
Mike Brost - WA9FTS
E-Mail:
mikeb2006@comcast.net
708.457.0966 Voice

Regular Meeting Place

Edgebrook Field House second
Wednesday at 8 PM unless other-
wise indicated in Mike Shy.

Standing Committees

Membership - K9JQ
Program - Open
Meeting Refresh. - AA9DT
Foxhunting - WA9FTS
Repeater - K9IQF
Field Day - Open
Education - WA9EVF
Mike Shy - WA9FTS
Picnic - WA9FTS
Dinner/Play - Open for 2008
Christmas / Hanukkah Party -
WA9EVF

SRO Web Site

www.w9sro.org
Mike Brost - WA9FTS

SRO Repeaters

	In	Out
CFAR (107.2) PL	147.75	147.15
TOOFAR	223.26	224.86

Repeater Personnel

Trustee - K9JQ
CFAR Chairman - K9IQF
CFAR Treasurer - WA9FTS
Site Maintenance
K9IQF, W9RA & W9BEA
Control Operators
K9IQF, TBD
NW Maintenance
WA9FPT
Northeast Maintenance
K9IQF & TBD
Lisle Maintenance
WA9AEK

W9EJ Exp Date May 2018

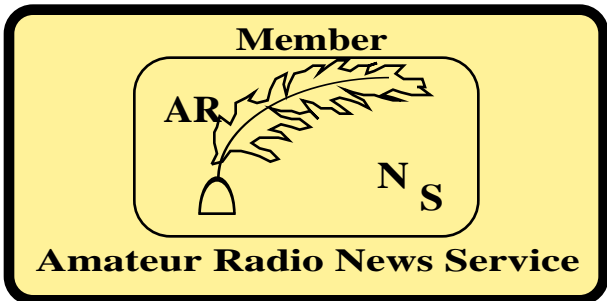
Mike Shy is published 6 times a year by the Society Radio Operators.
Deadline is 2 weeks before the meeting.
Contributions are welcome & should be sent to the Editor.

Mike Shy

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



First Class Mail



Japan's Secret Submarines

1st
Class
Stamp



Aug 11th
Edgebrook Field House

