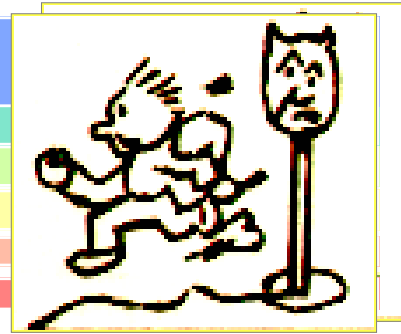




Mike Shy

Official Publication of
Society Radio Operators



Volume 72 Number 11 - 12

November-December 2012



SRO Holiday Party



Dec 12th - 6:30 PM
Edgebrook Field House

Upcoming Events

Chicago FM Club Holiday
Party - Dec 19 at 6:30PM at
the Edgebrook Field House

WCRA Mid-Winter Hamfest
Sunday January 20th at the
Kane County Fairgrounds
525 S Randall Rd in St.
Charles IL

Doors open at 8 AM
VE Testing - Hourly Prizes
Forums - Free Parking
Adv tickets avail at SRO
and CFMC meetings in Dec
and Jan

**Celebrate Christmas and Hannukah at the SRO
Holiday Party. We will again have Brown's
Catering deliver the food. We will have
Italian Beef, Crispy Chicken, Baked Beans,
Cole Slaw, Polish Sausage & Suuerkraut,
Mostaccioli Marinara, Mini-Cakes, Soda -
Regular and Diet, Holiday Punch
All SRO Members and a guest are welcome.**

**As in the past, the room will be decorated
with - well - come and find out!**

**Since we have to set up the tables, we could
use some help and would appreciate it if some
of the members could arrive early.**



Meeting Minutes

by Jim AA9DT

Mike Shy



SRO Notes for October 10, 2012 (or: Is that an Artificial Life-Form Crawling Up Your Arm?) By Jim Hawes AA9DT

TONIGHT'S MEETING opens at eight with the call to order by Generalissimo Mike Leibovitz WA9EVF. Excelsior!

REMINDER. Be sure to renew your membership! After the holiday party punch takes hold, glance over your shoulder. Our treasurer will accept your check while you can still sign John Henry.

TREASURER'S REPORT. As of the Halloween board meeting, our treasury is worth \$2431.31. The largest annual expense is the annual holiday party, which will be on December 12.

TONIGHT'S PROGRAM is a video about the history of the Chicago & Northwestern Railroad. This railroad actually started way back on June 7, 1859. During the

twentieth century, the company served seven states. Tracks overspread 12,000 miles of territory. By 1995, the railroad receded, but its tracks still covered 5,000 miles. That year, the Union Pacific bought the railroad, taking the name Northwestern out of existence.

(Reference:

http://en.wikipedia.org/wiki/Chicago_and_North_Western_Transportation_Company)

BOARD MEETING NEWS. For the February meeting, I'll bring the program \\Making Stuff Cleaner.// In this show, David Pogue investigates cleaner ways to generate power for our homes and cars. Tonight Show host and car collector Jay Leno makes a guest appearance in a segment about solar-powered autos. The upcoming April meeting will be our spring auction.

NEW TECH IDEAS. The December, 2012 Scientific American includes fascinating snippets that it titles World-Changing Ideas (p. 34). Here's my take on some of these developing technologies...

1—Oxygen foam. Scientists have
Continued on Page 3

Mike Shy

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invented a way of encapsulating oxygen within injectable form. The bubbles in the foam are so small that they don't cause embolisms. One injection of the foam can keep a non-breathing patient alive for several minutes. This might enough time to get the patient to a hospital. (In tests, animals stayed alive for 15 minutes without taking a breath.) The foam might be easier and less risky than nasal or oral intubation or tracheotomy.

2—YOUR OWN DRONE. Drone aircraft technology has come to the home market (almost). Already, police departments and government agencies are interested in drone technology that developed for the military. Scientists have developed drones to survey forested areas for conservation studies. Hackers have converted RC planes by adding Arduino microcontroller kits that permit autonomous flight. Current FAA regulations allow flying small planes up to a few hundred feet off the ground. Upcoming regulations that might appear by 2015 would allow more freedom. These regulations would probably also require proven crash-avoidance sensors.

3—PACEMAKERS THAT RUN ON SUGAR.

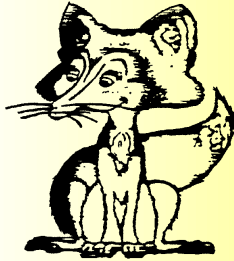
Your blood sugar may someday power biological devices. French researchers implanted a glucose battery in a rat. The test device operated off the rat's blood glucose, producing 1.8 microwatts for 11 days. Today's pacemakers require 8 to 10 microwatts. Researchers say that glucose-powered pacemakers may be next.

4—ARTIFICIAL LIFE. Philipp Holliger & his associates have succeeded in making a polymer that replaces DNA. To support the new XNA or xeno nucleic acid, the group invented various enzymes (polymerases). The scientists hypothesize that they could use XNA to replace DNA in a living cell. The result would be a living artificial organism. The polymerases might allow such artificial life-forms to evolve. One advantage of XNA organisms is that they couldn't subsist outside a lab. Only in the lab could such organisms receive the synthetic polymerases. Scientists expect such organisms to be useful at many tasks, including cleaning up oil spills or perhaps atherosclerosis. XNA organisms can't mingle with DNA organisms. After they accomplish their mission, XNA organisms die.

Mike Shy

Foxhunt Report

by Mike WA9FTS



CFAR 2M Foxhunt - Oct 6th, 2012 by John WD9EXW

We had a new hunter tonight, Kevin N9JPG. He lives in Wheaton and we decided to not give him a 30 mile drive his first night. But we wanted it to still a challenge for everyone else - Hmmmm? So we were thinking the Wheaton or Glen Ellyn area perhaps.

Then, after some consideration, we picked a friend's house in unincorporated DuPage Co. It might be a good spot, since no one knew the area yet. The well pit seemed like just the ticket but there was only room for one. I got in and Tom applied some cammo cover to the lid - brush and leaves.

We waited a few minutes for all the hunters to arrive at the start. After the test, master Tony reported 100% copy with 1/4 wave agroundnd level and 10 watts. Start was 8:10

Tony was first on scene and he was lucky. He was going past during a transmission. He suspected the garage, and - BOLD move - walked in! Although my car, easily recognizable to hunters, was inside. He was sure he was in the right place.

While I had no view of the area (in the front yard hole), I'm told by the observers it was quite entertaining to see everyone come in and score! One hunter stepped directly on the

(plywood) lid, and kept going!

- 1 - AA9CC Tony and Joan KC9QQY 8:52
- 2 - W9RA Don 9:06
- 3 - KC9SEM Matt and Patty and Jake 9:30
- 4 - KB9SMR Marty and Bill 9:30
- 5 - N9JPG Kevin

CFAR Foxhunt Report for November 3, 2012 by Tony AA9CC

This is the spot we didn't hide at on the last 5th Saturday hunt. We drove the Jeep and parked in in the weeds at the end of the trail. Power was 15 watts to the 2x2 array at 25 feet. First on the scene was John, WD9EXW at 8:40. At 8:45, Matt, Charlie and Mike followed in quick succession. Mike was at the lot 15 minutes prior, but ignored the opening in the trees. We moved to the parking lot and N9JPG took another hour with some help. Munches were at Jason's Deli at 22nd and York roads. W9RA joined us there. Some one riding with N9JPG lost his wallet during the hunt.

Results:

1. Tom N9CBA , John WD9EXW 8:40
2. Matt KC9SEM, Patty, Jacob 8:45
3. Mike WA9FTS 8:45
4. Charlie KB9DIM 8:45
5. Kevin N9JPG, Colin, Dave 9:40

Fox: AA9CC and KC9QQY

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

Great observatories find candidate for most distant galaxy

The farthest galaxy offers a peek back into a time when the universe was 3 percent of its present age of 13.7 billion years.

By STScI, Baltimore, Maryland, NASA Headquarters, Washington, D.C. —

Published: November 16, 2012

Credit: NASA/ESA/M. Postman and D. Coe (STScI)/CLASH team">

The newly discovered galaxy, named MACS0647-JD, is young and only a tiny fraction of the size of our Milky Way.

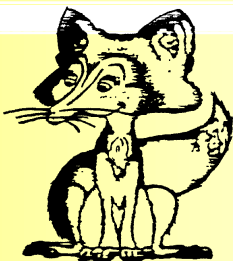
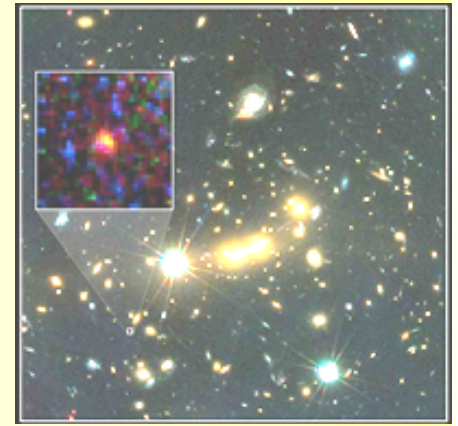
The object is observed 420 million years after the Big Bang. The inset at left shows a close-up of the young dwarf galaxy. This image is a composite taken with Hubble's WFC 3 and ACS October 5 and November 29, 2011. // *Credit: NASA/ESA/M. Postman and D. Coe (STScI)/CLASH team*

By combining the power of NASA's Hubble and Spitzer space telescopes

and one of

nature's own natural "zoom lenses" in space, astronomers have set a new record for finding the most distant galaxy seen in the universe.

The farthest galaxy appears as a diminutive blob that is only a tiny fraction of the size of our Milky Way Galaxy. But it offers a peek back into a time when the universe was 3 percent of its present age of 13.7 billion years. The newly discovered galaxy, named MACS0647-JD, was observed 420 million years after the Big Bang, the theorized beginning of the universe. Its light has traveled 13.3 billion years to reach Earth.



The December 2m foxhunt report will be included in the Jan-Feb 2013 issue. Tom N9CBA and John WD9EXW will be hiding.

Mike Shy

CFMC Holiday Party

If you are also a member of CFMC, their Holiday Party will be held on Dec 19th at the Edgebrook Field House. Food from Corky's and refreshments will be supplied. A good time should be had by all.

Upcoming February 13th Program



Can innovations in materials science help clean up our world? In "Making Stuff: Cleaner," David Pogue explores the rapidly developing science and business of clean energy and examines alternative ways to generate it, store it, and distribute it. Is hydrogen the way to go? What about lithium batteries? Does this solve an energy problem or create a new dependency? Pogue investigates the latest developments in bio-based fuels and in harnessing solar energy for our cars, homes, and industry in a program full of the stuff of a sustainable future.



Treasurer's Report

by Mike WA9FTS

Balance as of 1/1/12	\$2851.06
Membership Dues	\$260.00
Auction	\$6.59
Misc	\$3.00
Total Income	\$269.59
Annual Report	\$10.00
Bank Charges	\$20.00
IRA Dues	\$12.00
Postage	\$8.80
Refreshments	\$28.57
SRO Insurance	\$320.00
Web Page - 2 yrs	\$289.97
Total Expenses	\$689.34
Balance as of 12/1/12	\$2431.31

Suggestion Box

If you have any ideas or suggestions for club activities or programs, let us know. We are always looking for something new or a new way to do things. It is your club.

Mike Shy

Meeting Attendance



Oct 10th at the Edgebrook Field House

Mike WA9EVF	Ken KA9TRG
Jean KB9FXL	Pete WV9P
Jim AA9DT	Steve K9VO
Cathy KA9ZWZ	Lynne N9CBE
Larry KB9OOR	Marc AB9OP

Upcoming 2013 SRO Club Events

Jan 30 - Board Meeting
Feb 13 - Regular Meeting
April 10 - Regular Meeting - Auction
May 29 - Board Meeting
June 12 - Regular Meeting
Jul 31 - Board Meeting
Aug 14 - Regular Meeting
Oct 9 - Regular Meeting - Auction
Oct 30 - Board Meeting
Dec 11 - Holiday Party

Weekly 220 MHz Net

CFMC 220 Repeater - 224.10
& 224.18 Sat night 8 PM

Ham Get-Togethers

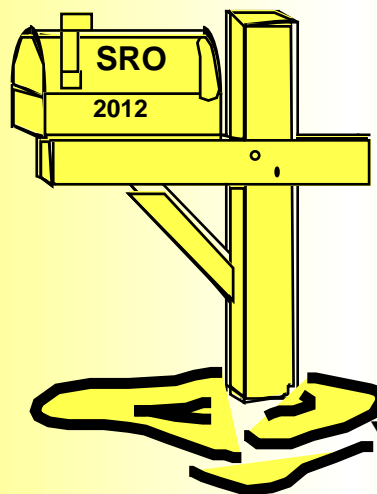
These are not radio club-sponsored but times when & where friends meet.

Papa Chris' Place
6235 W Touhy Ave Niles IL
773-631-4322 Monday 1:30PM

Rose Garden
111 E Higgins Rd Eldk Grove Village
847-952-1881 Friday 9AM

Sally's Pancake House
5454 N Harlem Ave
Chicago IL Saturday 2 - 4 PM

New Pinto - 220 MHz Guys
4955 S Pulaski Rd Chicago
773-582-4955 Saturday 8AM-Noon



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

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 - AA9DT
Meeting Refresh. - AA9DT
Foxhunting - WA9FTS
Repeater - K9IQF
Field Day - WA9EVF
Education - WA9EVF
Mike Shy - WA9FTS
Picnic - WA9FTS
Dinner/Play - Open for 2012
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 (110.2) PL	223.26	224.86

Repeater Personnel

Trustee - K9JQ
CFAR Chairman - K9IQF
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.

Regular Meetings - Edgebrook Field House - 6100 N Central Ave. Chicago IL

Board Meetings - Every 5th Wed - 7:30 PM - BQS Realty - 6023 N Cicero Ave Chicago IL

Mike Shy

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



First Class Mail



SRO Holiday Party

Edgebrook Field House
6100 N Central Ave - Chicago
Dec 12th 6:30PM



1st
Class
Stamp

