



President's Notes for November 2014

Shortly before starting these notes, a rocket carrying a supply payload to the International Space Station exploded a few seconds after launch. It was an unmanned cargo payload, so nobody was killed or injured on board, neither was anyone harmed on the ground. There were reports that some of the minor payloads on board used amateur radio in one form or another. It's very unfortunate to lose a mission, but we can be thankful no one was killed or injured. That was sadly not the case with the loss of the Virgin Galactic SpaceShip Two a few days later

Speaking of the ISS, our club has an opportunity to participate in an ARISS contact with one of the schools in the Dearborn school district. The contact would likely be in 2015 or 2016, depending on scheduling. I, for one, would be very interested in participating, given that my father worked for NASA for over 30 years. Several members have already expressed interested in participating, and important deadlines are approaching that will require a commitment before the next meeting. So it's likely that we will officially commit to developing a proposal in conjunction with Dearborn schools and with the help of other clubs. Making a proposal is no guarantee that it will be accepted, so here's hoping for the best.

You may have seen news reports just before Halloween about the Adoba Hotel Dearborn (the former Hyatt), the home for our 2 meter and 220 MHz repeaters, facing foreclosure and possible closure. As November began, a new company is managing the hotel, and it looks like closure has been averted. Still, we should monitor the situation in case our location is jeopardized.

Our meeting in November will definitely have a space theme, for the main presentation will be on \$50Sat, a microCube satellite that as of late October

had been in orbit for around a year and was still providing useful telemetry. Speaking will be one of the builders of the satellite, Mike Kirkhart, KD8QBA. We'll also be choosing the location of our holiday dinner in December, which will replace our December meeting. Hope to see you all there.

73,
Roger, KD8CSE



Ford Amateur Radio League (AKA: The Tin Lizzy Club) **Club Meeting Minutes – October 09, 2014**

Meeting Minutes for FARL October 9th, 2014

In Attendance:

Dave Treharne - N8HKU
Pat Quinn - WD8JDZ
Roger Reini - KD8CSE
Rod Deyo - K8SGL
Bernie Mitchell - KC8KEO
Bill Boyke - N8OZV
Sam Wells - KD8YTR
Peter Zachary - WD8DXQ (Guest)
Vern Vonheede - WV5N (Guest)

Meeting called to order:

By Roger at 18:38 EDT

Review of the minutes

Reviewed.

1. Motion by Bernie to accept
2. Seconded by Sam.
3. Minutes from last month accepted unanimously

Treasury Report:

By Pat, WD8JDZ

1. Account balance was reviewed
2. Motion to accept made by Rod, 2nd by Dave.
3. Treasurer's report accepted by all

Repeater Report:

1. No new news.

Training Report:

Bill- N8OZV

1. License exam: October 9th.
 - a. 8 people took tests
 - b. 2 with no upgrade
 - c. 1 upgrade to Extra
 - d. 4 new Technician licenses
 - e. 1 upgrade from no license to General

Website info:

By Dave-N8HKU: Website is up to date.

FERA:

1. Bill Boyke is now the Vice President of Council Activities for FERA.
2. Our club will receive a special funding allocation due to Bill being an officer in FERA.

3. FERA has a club certification program started. Obtaining a Silver or Gold certification results in additional funding opportunities. Roger/Bill to find the certification paperwork
4. Roger to present at a FERA club meeting on the status of the Tin Lizzy Club, How are we Doing?
5. There are 49 clubs currently registered in FERA.

Equipment Inventory:

Bill Boyke, N8OZV, has the R7 antenna. No results on it, yet. Bill will have more time to look at it over this winter.

Old Business:

1. Field Day Expenses:
 - a. Nothing from the LARC about our contribution, yet.

New Business:

1. USECA Swap: October 26th
2. Presentations: For November: \$50 Satellite, by Mike, KD8QBQ
3. Holiday Dinner: Some ideas were discussed. Final vote coming during November meeting.

Presentation Topic:

Yaesu System Fusion, presented by Roger, KD8CSE. Presentation will be available on the club website.

Adjourned:

By Roger at 7:45pm local time



Satellites Carrying Amateur Radio Payloads Among Those Lost in Launch Explosion - ARRL

The [RACE](http://cubesat.jpl.nasa.gov/projects/race/overview.html) and [GOMX-2](http://gomspace.com/index.php?p=products-platforms) CubeSats were among more than 2

dozen satellites lost after an unmanned Orbital Space Sciences (OSC) Antares 130 vehicle exploded spectacularly shortly after launch at 2222 UTC on Tuesday, October 28, from the Mid-Atlantic Regional Spaceport on Wallops Island on Virginia's Eastern Shore. Both satellite packages carried Amateur Radio payloads. The Antares is a new medium-class launch vehicle developed by OSC. The rocket exploded about 6 seconds after launch, sending a huge ball of fire



hurtling toward the ground, which set a massive fire at the NASA launch site.

The RACE (Radiometer Atmospheric Cubesat Experiment) CubeSat was a joint project between The Texas Spacecraft Laboratory ([TSL](http://www.ae.utexas.edu/news/features/race-to-space))

(<http://www.ae.utexas.edu/news/features/race-to-space>) at the University of Texas-Austin and NASA's Jet Propulsion Laboratory (JPL). Built by a 30-student team, it carried a 183 GHz radiometer, a new science instrument designed by JPL. The spacecraft was equipped to transmit using GMSK at 38.4 k and CW telemetry on a downlink frequency of 437.525MHz.

TSL's Glenn Lightsey, KE5DDG, a UT engineering professor, oversaw the student project that worked hand-in-hand with NASA staff in creating a satellite that aimed to measure water vapor in Earth's atmosphere.

“It’s unfortunate, but it is also part of the aerospace industry,” Lightsey [told](http://www.statesman.com/news/news/local/ut-student-built-satellite-destroyed-in-antares-ex/nhtSx/) (<http://www.statesman.com/news/news/local/ut-student-built-satellite-destroyed-in-antares-ex/nhtSx/>) the Texas Statesman newspaper. “The nature of building



space vehicles is that it is not a 100 percent reliable process. Getting into space is really the hardest part.”

The 2U GOMX-2 CubeSat was intended to test a de-orbit system designed by Aalborg University in Denmark. Karl Klaus Laursen, OZ2KK, is listed as the “responsible operator” on International Amateur Radio Union frequency coordination

documents. The Amateur Radio payload proposed using a 9.6 k MSK data downlink on 437.250 MHz. Also on board was an optical communications experiment from the National University of Singapore. The mission also aimed to flight qualify a new high-speed UHF transceiver and SDR receiver built by an Aalborg University team.

The Antares 130 launcher was on a resupply mission, carrying some 5000 pounds of cargo to the International Space Station. RACE, GOMX-2 and the other satellites onboard the rocket were to be launched into orbit from the International Space Station.

The Antares 130 also was carrying the Flock-1d array of 26 satellites as well as Arkyd-3 and Cygnus CRS-3.



Club Repeater Information

The Ford Amateur Radio League operates 3 club repeaters under the club K8UTT license. All the repeaters are located in the Dearborn, MI area near the Southfield Freeway. All repeaters are open for members and guests to operate.

Repeater	Output Freq	Input Freq	Tone
2 M Repeater	145.270	-600 KHz	100 Hz PL
1 1/4 M Repeater	224.520	-1.6 MHz	100 Hz PL
70 cm Repeater	443.425	+5 MHz	107.2 PL

Club Net: 8pm on Sunday, 2 and 1-1/4 Meter Repeaters!



Classes and Exams

The following amateur radio clubs conduct license exams throughout the year. Many clubs allow walk-ins but pre-registration will insure an exam is available for you when you attend.

Club Name	Contact Person	Phone	Email
Ford Amateur Radio League	Bill Boyke	313-805-8877	wboyke@ford.com
South Lyon ARC	Christian Anderson	248-437-3088	K8VJ@arr.net
Motor City ARC	Don Novak	734-281-7030	K8THU@arrl.net
Hazel Park ARC	Jerry Begel	248-543-2284	w9npi@comcast.net
USECA ARC	Joseph Kennedy	586-977-7222	N8OZ@arrl.net
ARROW Assn	Roger Place	734-663-4625	merrogplace@aol.com

Some of the above clubs also conduct license classes. Please contact them for additional information.



2013-2014 Club Officers

Please contact any of the officers for information regarding the Ford Amateur Radio League, or go to the club website at www.k8utt.org for current events and activities.

President	Roger Reini	KD8CSE	734-728-1509
Vice President	Dave Treharne	N8HKU	734-476-1666
Treasurer	Pat Quinn	WD8JDZ	734-729-1993
Secretary	John Turowski	N8NWA	313-258-1996
Repeater Chair	Murray Scott	KE8UM	248-743-1704
K8UTT Trustee	Dave Treharne	N8HKU	734-476-1666
Activity Chair	Bill Boyke	N80ZV	313-805-8877
Bolt Editor	Rajiv Paul	KD8LHF	313-405-2573



Club Meetings

The Ford Amateur Radio Club meets on the second Thursday of each month, except for Christmas and the summer months July and August. The meetings are held at 6:30 PM at the Ford Engine Manufacturing & Development Offices (EMDO) building. EMDO (located at 17000 Southfield Rd, Allen Park, MI) is south of I-94 on the east side of Southfield just north of the Allen Park Municipal offices. Park in the front of the building and come into the main lobby at the side. Knock on the inside door on the right if no one is standing there to let you in.



Next Club Meeting: November 13, 2014 at 6:30PM

Topic: \$50Sat, a microCube Satellite by Mike Kirkhart, KD8QBA

**The Ford Amateur Radio League
PO Box 2711
Dearborn, MI 48123**