



ARC-OVER

November 2014

Getting It Right!

The ARRL Letter, October 30, 2014

A story, "Actor Tim Allen Gets His Ham Ticket for Real," in the October 2, 2014, edition of *The ARRL Letter* contained incorrect information about one of the show's characters. It should have read, "Allen plays Mike Baxter, KA0XTT, and the show, which starts its new season October 3, has featured ham radio in some episodes (Allen's TV daughter, Mandy Baxter, is KFOXIE)."

TARC Elections Coming Soon!

Elections are rapidly approaching for our 2015 Officers. Elections will be held at the December General Meeting.

If you (or someone you know) are interesting in running for one of the officer positions, please contact Ron Roos. This is your opportunity to get involved with our club!

Nominations will be published in the December ARCOVER with voting taking place during the December General Meeting. Nominations will remain open until just prior to the vote.

Attention TARC Members

The next General Meeting is:

Date: Tuesday, November 11th

Time: 7:00 PM

Location: War Memorial, Turlock



Satellites Carrying Amateur Radio Payloads Among Those Lost in Launch Explosion

The ARRL Letter, October 30, 2014

The [RACE](#) and [GOMX-2](#) CubeSats, both carrying Amateur Radio payloads, 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 at Wallops Island on Virginia's Eastern Shore. 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 and igniting a massive fire at the NASA launch site.

"While NASA is disappointed that Orbital Sciences' third contracted resupply mission to the International Space Station was not successful today, we will continue to move forward toward the next attempt once we fully understand today's mishap," said William Gerstenmaier, Associate Administrator of NASA's Human Exploration and Operations Directorate. "The crew of the International Space Station is in no danger of running out of food or other critical supplies." Indeed, a smaller resupply mission, launched from Russia, reached the ISS the next day.

The Radiometer Atmospheric Cubesat Experiment (RACE) CubeSat was a joint project of The Texas Spacecraft Laboratory ([TSL](#)) 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](#) 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 resupply mission was carrying some 5000 pounds of cargo to 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. RACE, GOMX-2, and the other satellites were to be launched into orbit from the ISS later.

Turlock Amateur Radio Club General Meeting Minutes October 14, 2014

Call to Order: A general meeting of the TARC was held at the War Memorial, Turlock, California on October 14, 2014. The meeting convened at 7:00 PM. Ron Roos, KJ6KNL, presiding; Spencer Boyd, KJ6ART, Secretary.

Pledge of Allegiance: Led by Ron Roos, KJ6KNL.

In Attendance: Twenty-two members and guests signed in.

- **Approval of General Meeting Minutes:** Bambi Schmidt, KI6YQL, made a motion to approve the September General Meeting minutes. Seconded by Darren Nunes, K6RDJ. Motion passed.
- **Treasurer's Report:** Mike Smith, KG6VFL, presented his report.
- **Arc-Over:** The deadline for the November Arc-Over will be October 15th.
- **Memorandum Of Understanding:** Mike, KG6VFL, presented a memorandum of understanding (MOU) between TARC and Merced County ARES. Later in the meeting Grady Williams, K6IXA, made a motion to accept the MOU. Seconded by Bambi, KI6YQL. Motion passed.
- **Backup Batteries:** Mike, KG6VFL, presented many potential options for backup batteries for the repeater system Mt. Bullion.
- **Auction:** The auction has been moved to next spring.
- **Christmas Party:** Potential locations and dates will be looked into for the Christmas Party.

Adjournment: The meeting was adjourned at 7:48 PM.

Upcoming Events 2014

Coffee with the Hams	8:30 AM Saturdays	Merced Mall Food Court
TARC Board Meeting	November 6th, 6:00 PM	Latif's
TARC General Meeting	November 11th, 7:00 PM	War Memorial, Turlock
Turkey Trot	November 22nd	Donnelly Park, Turlock
Christmas Parade	December 5th	Downtown Turlock
Christmas Dinner	Details to Be Announced	



TARC Spring Auction

Watch our website and future issues of the ARCOVER for information on the Spring Auction!

Turlock Amateur Radio Club

PO Box 2821
Turlock, CA 95382

Officers

Ron Roos, KJ6KNL, President
Darren Nunes, K6RDJ, Vice President
Spencer Boyd, KJ6ART, Secretary
Mike Smith, KG6VFL, Treasurer
Grady Williams, K6IXA, Trustee
Bambi Schmidt, KI6YQL, Sergeant At Arms
Walter Schmidt, KI6PBL, Member at Large
Chris Coffin, K6CP, Member at Large

The ARCOVER is published for the Turlock Amateur Radio Club members.

TARC's meets monthly the second Tuesday of each month. The board meeting is the Thursday prior to the General Meeting.

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