CQ CHATTER

OCTOBER 2024 **VOLUME B24 •ISSUE 8**

WOOD COUNTY AMATEUR RADIO CLUB

Surplus Equipment Sales at Findlay a Success

The quantity of surplus equipment that the Club had accumulated over the decades has been considerably reduced. Much of the material consists of items that were bequeathed to WCARC by Silent Keys. Other materials include equipment that once graced previous club stations in the Courthouse basement and at the Fairgrounds Administration Building. The job of housing these items was borne by several Club members, mainly WB8NQW and W8PSK.

Two years ago it was determined by vote what items the Club should try to dispose of, although the vehicle for disposal was not well-identified. After many not-too-successful attempts at various silent auctions and offerings at smaller hamfests, it was decided that the final effort would be a sales effort at this year's Findlay hamfest.

before: with Phil-W8PSK

The WCARC table was manned by Bob-WB8NQW and Phil-W8PSK, with set up help from others. Bob submitted the before/after shots that are shown for comparison: Bob reports that the amount

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Net Check Ins-I

Sep	*3*	*Traffic: 0*
	N1RB	*(NCS)*
	KD8RNO	
	KE8CVA	
	KG8FH	
	KF8BGD	
	WD8LIC	
	WB8NQW	
	W8PSK	
	KE8PJM	
	KE8WTG	
	KA8VNG	
	WE8TOM	
	KD8VWU	
	K8ZCS	
	WD8LEI/P	*(15)*
Sep	*10*	*Traffic: 0*
	KD8VWU	*(NCS)*
	KE8CVA	
	KE8WTG	
	WB8NQW	
	KC8EKT	
	KG8FH	
	KD8NJW	
	KE8PJM	
	N8VNT	
	N1RB	
	WE8TOM	
	NM8W	*(12)*

Brain Teasers

1. What is the capacitance of three 100 µF capacitors connected in parallel?

a.) 33 µF
b.) 100 µF
c.) 300 µF
d.) 67 µF

2. Which of the following describes a type-N connector?

a.) a moisture resistant RF connector useful to 10 GHz
b.) a small bayonet connector used for data circuits
c.) a low noise figure VHF connector
d.) a nickel plated version of the PL-259

3. How is the efficiency of an RF power amplifier determined ?

a.) divide the DC input power by the DC output power
b.) divide the RF output power by the DC input power
c.) multiply the RF input power by the reciprocal of the RF output power
d.) add the RF input power to the DC output power

October Contests

The contest lineup for the month of October is given below. Please note that the WARC bands (60, 30, 17 and 12 m) are never open to contesting.

Oct 5-6	*0600 to 0600 Z*	160 m to 10 m
Oceania DX 'test-SSB		**SSB**
Oct 5-6	*1200 to 1159 Z*	160 m to 10 m
Russian WW Digital 'test		**Digital**
Oct 5-6	*1600 to 2200 Z*	160 m to 10 m
California QSO Party		**all modes**
Oct 12-13	*0300 to 2100 Z*	160 m to 10 m
Nevada QSO Party		**all modes**
Oct 12-13	*0600 to 0600 Z*	160 m to 10 m
Oceania DX 'test-CW		**CW**
Oct 12-13	*1500 to 0500 Z*	160 m to 10 m
Arizona QSO Party		**all modes**
Oct 12-13	*1600 to 2200 Z*	160 m to 10 m
Pennsylvania QSO Party		**all modes**
Oct 12-13	*1800 to 1800 Z*	160 m to 10 m
South Dakota QSO Party		**all modes**
Oct 19-20	*1400 to 0200 Z*	160 m to 10 m
New York QSO Party		**all modes**
Oct 19-20	*1500 to 1459*	80 m to 10 m
Worked All Germany 'test		**CW/SSB**

Net Check Ins-II

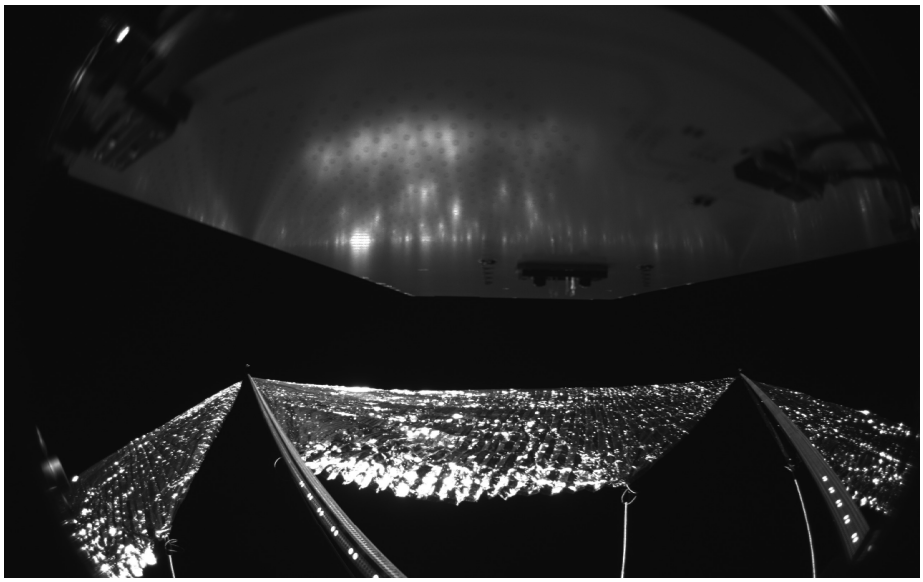
Sep	*17*	*Traffic: 0*
	KG8FH	*(NCS)*
	KE8WTG	
	KA8VNG	
	KD8RNO	
	N1RB	
	N8VNT	
	KE8QGV	
	KE8PJM	
	WB8NQW	
	W8PSK	
	KC8EKT	
	KF8BGD	
	WD8LEI/P	*(13)*

Sep	*24*	*Traffic: 0*
	KD8NJW	*(NCS)*
	KE8CVA	
	KC8EKT	
	KF8BGD	
	KG8FH	
	WD8LEI	
	WB8NQW	
	W8PSK	
	W8PJZ	
	KD8RNO	
	KA8VNG	
	KD8VWU	
	N1RB	
	KE8WTG	
	WE8TOM/M	
	KE8PJM	*(16)*

Brain Teaser answers: (G) 1-c, 2-a 3-b

NASA Evaluates Deployed Advanced Composite Solar Sail System

Gianine Figliozzi NASA



The Advanced Composite Solar Sail System has four black-and-white wide-angle cameras, centrally located aboard the spacecraft. Near the bottom of the photo, the view from one camera shows the reflective sail quadrants supported by composite booms. At the top of the photo is the back surface of one of the spacecraft's solar panels. The five sets of markings on the booms close to the spacecraft are reference markers to indicate full extension of the sail. The booms are mounted at right angles, and the solar panel is rectangular, but appear distorted because of the wide-angle camera field of view. *Credit: NASA*

Since deploying its sail in late August, the **Advanced Composite Solar Sail System** spacecraft continues sending images and data, helping the team to better understand how the boom technology

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WCARC Weekly Net

Tuesdays at *2100* all year

147.18 MHz 67 Hz PL

Net Control Roster

Sep	*3*	*N1RB*
Sep	*10*	*KD8VWU*
Sep	*17*	*KG8FH*
Sep	*24*	*KD8NJW*
Oct	*1*	*WB8NQW*
Oct	*8*	*N1RB*

NEXT MEETING

Business Meeting

Monday October 14

TIME: 7:30 PM/7:00 EB

PLACE:
Sheriff's Training Room
E. Gypsy Lane Rd. &
S. Dunbridge Rd.
Bowling Green, OH

10 meter Nets

Informal SSB group meets Sunday@ 20:30 local on 28.335 MHz

Informal CW group meets Tuesday @ 20:00 local on 28.050 MHz

Fusion Net

Thursday

@ 19:30 local

on 442.125 MHz

Wires-X Operators welcome

Informal net

NASA from p. 4

demonstration performed. The primary objective of the demonstration is to conduct the deployment operation and use it to inform the use of large-scale sails for future missions. The mission team is continuing to analyze the incoming data and prepare for the next steps in the technology demonstration over the next couple of weeks.

Currently orbiting Earth, the spacecraft can be seen with its reflective sails deployed from the ground. As part of the planned deployment sequence, the spacecraft began flying without attitude control just before the deployment of the booms. As a result, it is slowly tumbling as expected. Once the mission team finishes characterizing the booms and sail, they will re-engage the spacecraft's attitude control system, which will stabilize the spacecraft and stop the tumbling. Engineers will then analyze flight dynamics before initiating maneuvers that will raise and lower the spacecraft's orbit.

Those interested in spotting the sail can view the spacecraft using a new feature in the *NASA mobile app*. Its visibility may be intermittent in the night sky, and it could appear at variable levels of brightness while tumbling.

NASA invites the public to share their own photos of the spacecraft online with the hashtag, **#SpotTheSail**. ■

ICOM Issues Statement on Counterfeit Radios after Explosions

From ARNewsline

As of September 20, Icom Japan issued a statement regarding its IC-V82 handheld radio, a discontinued model that some reports say may have been counterfeited in connection with deadly explosions in Lebanon. The company statement did not directly address those explosions by name but said that the radios and batteries, which were manufactured and exported between 2004 and 2014, went to markets that included the Middle East between 2004 and 2014.

Ray Novak, N9JA, senior sales manager for Icom America's amateur radio division, expressed certainty that the radios in question were counterfeit. Attending a Rhode Island trade show, he told the Associated Press: "I can guarantee you they were not our products."

Acknowledging the relative ease with which unauthorized radios can be duplicated, Icom's website also includes detailed information showing how consumers are able to determine whether or not their radio is a counterfeit. ■

October Contests-*cont.*

Oct 20-21	*1700 to 0100 Z*	160 m to 10 m
Illinois QSO Party		**all modes**
Oct 21-25	*1300 to 2359 Z*	160 m to 10 m
ARRL School Roundup		**all modes**
Oct 26-27	*0000 to 2359 Z*	160 m to 10 m
CQ WW DX 'test-SSB		**SSB**

HI-Jinks

A southern Texas amateur radio club is scrambling to figure out how to keep people away from their Field Day activities after a newspaper published details about their event. "We just wanted the bonus points, not visitors," said Nathan Binn.

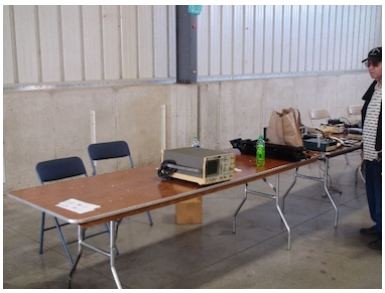
"I sent an e-mail to our small-town weekly newspaper expecting them to ignore it like they do every year. Instead, they published the date and time of our event, our hotel room number, my cell phone and my email address," he said.

Binn became concerned after receiving a phone call from the proprietor of the Best Western Inn.

The hotel manager, Louis Downington, told *Ham Hijinks*, "When the room was booked I was under the impression that it was just five guys fooling around with ham radio. But then I read in the newspaper it was an 'event' at my hotel and wasn't happy at all." "This year, we decided to set up at the hotel with our gear and portable antennas to enjoy indoor amenities like air conditioning and a vending machine while operating," said Binn.

But the radio club actually doesn't want visitors. "We're not very sociable people," said Binn. "And our food plans do not include enough rations for more than our group." "We are grateful for the bonus points, but I don't know what we'll do if someone shows up," he said. ■

equipment from p.1



after

added to the Club Treasury is almost $600. Thanks to all the equipment volunteers for their hard work and success. ■

It's always harder to bring them down

Mike, W8CJJ, was recently faced with the task of tearing down his antenna farm. The first task was to remove the 6m and 2m Yagis from atop the structure, and then to take down the tower itself.

The pictures show the sequence of steps in the operation. Notice the wrench at the top of the tower—hope he didn't forget it. ■

60 foot reach cherry-picker

Recent work at QTH of Mike-W8CJJ in dismantling of his tower/antenna farm

View from the top-removing 6m and 2m Yagis

It's Time to Renew

Dues Payable to:
WCARC, P. O. Box 534
Bowling Green, OH 43402

WOOD COUNTY ARC
P.O.BOX 534
BOWLING GREEN, OH
43402