

# Cockpit Clutter

EAA Chapter 45 web site <http://45.eaachapter.org>



Chapter 45 Newsletter

Experimental Aircraft Association

FEBRUARY 2017

## February 17<sup>th</sup> General Membership Meeting

Friday February 17th, 7:30 PM

This month will feature a visit from a representative of the local FAA office to give us a presentation on the correct and legal use of DRONES.



What's the real deal with these things anyway? Get the legal story right from the authority!!





Hey Rob Rossi, is that Karen standing in front of your Flut-R-Bug?

Actually, this is the cover picture from the November 1961 Sport Aviation and the gal is Helen Mace who is showing trophies she won in short field takeoff and slow flight contests in the airplane. This Flut-R-Bug has a 125hp Lycoming engine.

The same issue of SA has an article of a newly wed couple who arrived the day after their wedding to the Rockford EAA convention in their own Flut-R-Bug, N10E.

Now that's a honeymoon!

### Shop Tip #68 Urethane Foam Adhesive by Jack Dernorsek

I wanted to set some studs into concrete to attach a safety railing and went to the home center to find that the epoxy they sell is a one time use (once you open the tube it has a fairly small window before the entire material sets up and was quite expensive, plus it needs to have dry holes which I did not have). I considered using a wet cement slurry but that would be difficult to get into the holes, so I was considering other methods of gluing that would be conducive to wet conditions and also less expensive. I thought about Gorilla Glue, as it uses moisture to set up the adhesive but again, expensive.

Then it dawned on me that another form of Gorilla glue-type material is the foam urethane insulation that sprays out of a can. It is essentially similar to adhesive urethane although it is faster expanding and appears to be less strong as it expands fully. However, I thought it was worth a try so the picture shows the result. I sprayed the urethane foam into the hole, slipped in the stud which I had grooved with a grinder for more adhesion, and the result appears to be a very strong application. I trimmed the exposed foam after setup with a knife and I think it will be fine. I will report on my results long term.

By the way, I want to repeat a tip that I had offered previously. Urethane expanding foam spray cans seem to have only one application as the spray applicator and valve hardens over night and becomes almost impossible to clean for a second use.

However if you immediately place the can in a refrigerator **freezer** after use and keep it there for the next time you need it, after about an hour of sitting out to thaw, the can is completely reusable over and over. I have used the same can many times until empty.



