

## **Building A Cosy Experimental Aircraft**

**Dale Ramey**

I started on a Cozy project when my hair was darker and my gross weight was 25 pounds lower. At that time, an older friend of mine was just completing a Long EZ. I surmised, if he can do it, so can I. I am now working on a Cozy Mk IV, a 4 passenger; 210 mph knock off of the Long EZ. It has a retractable nose gear and fixed landing gear. At this point I have almost completed the fuselage, the center section wing spar, the landing gear bow, and am working on the canard. My next step will be covering the wings and the winglets. Once I have the parts completed, I will need a hanger for assembly. I had the canard and the wings, and winglets pre-cut and sent to me. They were delivered as perfectly cut cores and thus no need to correct flaws caused by my armature hot wiring. I also ordered and am ordering all of the metal parts prefabricated. Also I have ordered precut jigs. This saves a lot of time. Until recently I have been working on my own. Fortunately I met a person who has been working with fiber glass for 25 plus years. I wish I had met him or someone like him 30 years ago. I would be flying a Cozy (3 passenger Long Easy) today. He has taught me so much. So much has changed since the plans were developed. The epoxies are so different now in terms of color and cure times. I was projecting a completion date of December 2018 but now am looking at December 2019. Life has it challenges. Currently I am planning on installing an IO-360 with a fixed pitch propeller; round instruments are a distinct possibility. I haven't flown a plane with a glass panel. I hosted a meeting at my home 12-13 years ago and just had the uncovered fuselage to show. Lots of progress has been since then (last 10 months actually).



