WHAM

NEWS, VIEWS, and REVIEWS

Official Publication of the
Wichita Historical Aircraft Modelers, SAM 56, and
the Kansas Sunflower Squadron, FAC Squadron #23

Sunflower Squadron
Wichita, KS

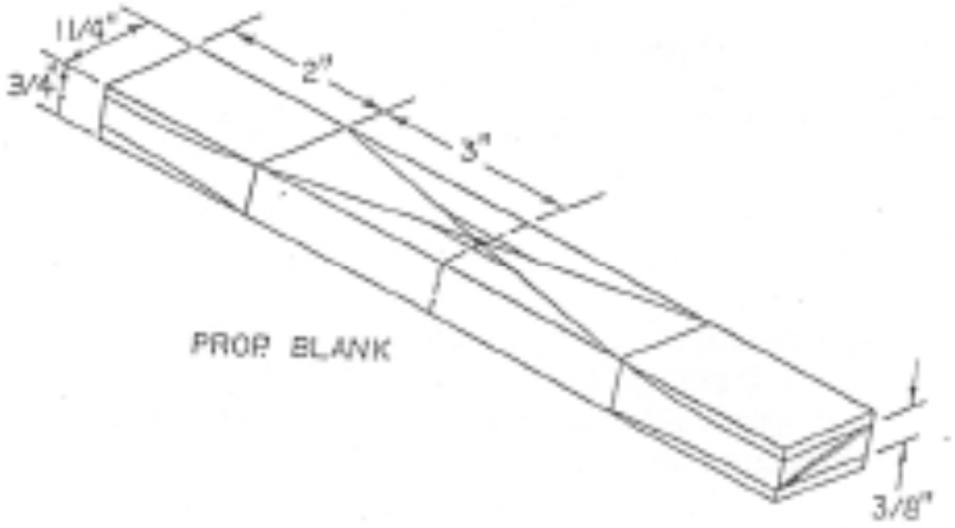
Issue JE2-21
November 2024

MY FAVORITE PROPELLER

by Bill Henn

As published in the March/April 2007 issue of Tailspin, the New England Flying Aces News, Mike Nassise, Editor

After many years of experimentation, I have settled on the prop that is described below. It has too low a pitch for indoor scale, but it has worked fine for me outdoors. I use it on all my models, scaled up or down, from Peanuts to Giants. This prop works great with 15% rubber as well as with unlimited motors. Convert dimensions to metric for easier up or down scaling. Block Dimensions Length: 10" Width: 1.25" Max thickness: 3/4" Thickness at tip: 3/8" Break at: .3R (3" from hub). Thickness tapers from that point to tip with slight concavity. Blades have no UC. P/D to 3R: 1.1 (slightly less from that point to tip)



Through the years I have tried many other P/D ratios, undercamber, turbulators, gurney flaps, etc., but none worked as well. Do not cut out the area at the hub until the prop is fully shaped. The outer section of the blades should be about 3/32" thick. The inner portion gradually thickens. Finish prop with one coat of 50/50 nitrate dope, sand smooth, and then coat with CYA and sand to smooth finish. I use heavier wood for models that are likely to require ballast. Of course, it is very important to match this prop to the right motor to obtain the best performance, but that is a story for another time. Closest thing to this carved prop in a plastic prop is the yellow Czech.

September 14, 2024, Meeting Minutes

ATTENDEES:
George Avila, Jeff Englert, Marty Kline, Linda & Chuck Powell, David O'Reilly, Kent Peters, Marlene Hayes & Ed Salguero, Marilyn & Bill Schmidt,

President Powell called the meeting to order; Minutes were approved as delivered.

Treasurer's report was not available.

OLD BUSINESS:

Talked about upcoming contests.

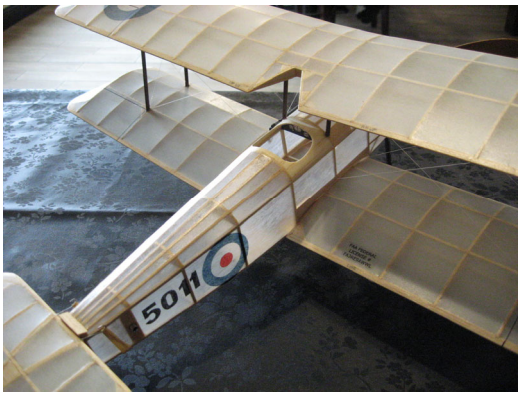
NEW BUSINESS:

Reviewed the NATS, Talked about supporting Marion contest (Oct 5 %6), Reminded that Hamilton and a TGD contest in November are still coming.

Had a report on Bobby Hanford condition, doing better after heart attack on way to Denver contest.

SHOW AND TELL:

Bill Schmidt showed his 1914 Bristol Scout, built from a plan in the old Golden Age Reproduction book.



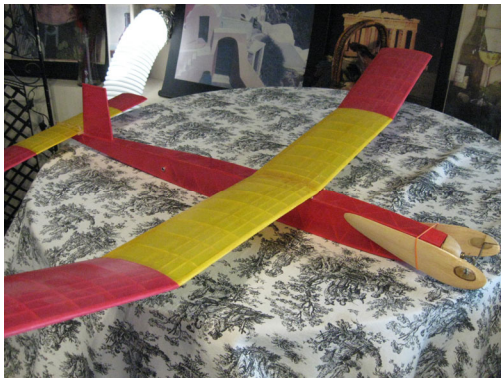


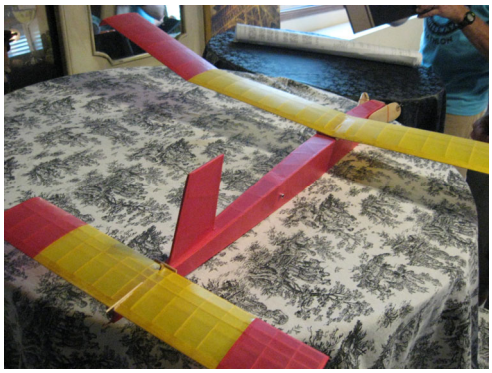
Ed Salguero brought in a 37 year old Goldberg Zipper (full Size) equipped with a Foster 0.29 engine from 1946.





Chuck Powell displayed a Blue Ridge Models coupe, Built by Jim O'Reilly. To be used in Andrade Rubber event.





ROCK SOLID THRUST BEARING SETUP

by Bill Henn

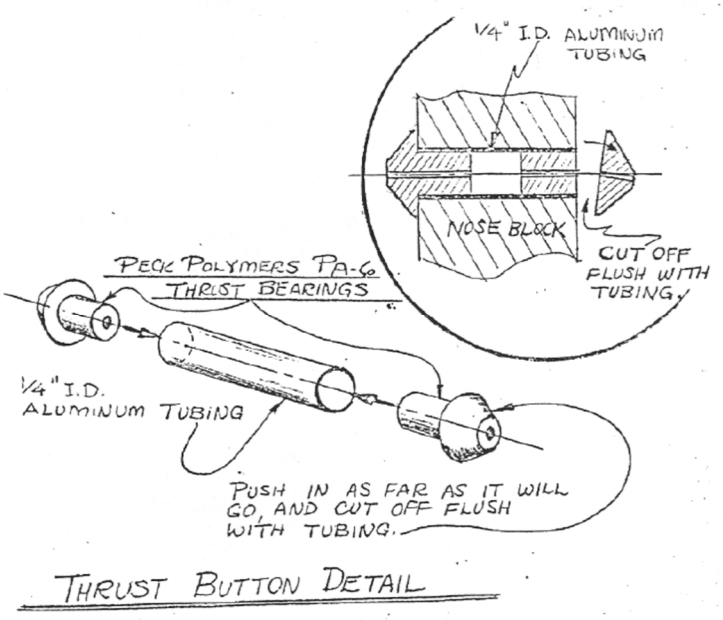
An article published in the July 2007 issue of Tailspin, Mike Nassise, Editor

Here's the way I put together my thrust bearings for rubber-powered airplanes, whether they are endurance models or FAC Scale ships. I use two Peck Polymers PA-7 nylon bearings which come with a .046" hole and a short length of 1/4" aluminum tubing.

If I need a larger opening In the bearings, I drill them out so that they fit whatever size wire I have used to make up the prop shaft. The small Peck bearings can also be used with 1/8" i.d. tubing, but they must be shaved or sanded down slightly. Their stock hole is .032" diameter, but again it can be drilled out to suit.

By setting up your thrust bearings as shown in the diagram below, you end up with a very durable unit that gives wobble free prop shaft rotation since a larger section of the wire is firmly supported. As everyone knows, the steadier the prop runs, the better the flight.

Yes, It takes a little more time and effort to build the unit, but the results are worth it.



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Jeff Englert
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The next SAM 56 Dinner Meeting will be at:

Mediterranean Grill

335 S Towne East Mall Dr., Wichita, KS 67207
(316) 651-5599
Saturday, November 16, 2024
Social Hour @ 6:00 PM, Dinner @ 6:30 PM...

Upcoming events:

Membership Information:

Open to all interested AMA members, founded to encourage and promote model airplane building.
Member dues $20 annually, Subscription only; $12 annually, $18 foreign.

Club Officers:

President: Chuck Powell,	Vice-President: Bill Schmidt
Treasurer: Phil Burress,	Secretary: Jeff Englert, 722-7491