

# WHAM

## NEWS, VIEWS and REVIEWS

Issue JE-86  
July 10, 2010

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

### Transparent Dope

Mixing a dye into clear dopes gives you the means to a brilliant candy-like finish on your silk, tissue, or polyspan. There are several different dyes available that are miscible with the types of dope that we use. The main thing to remember is that if the dye you have chosen is water based, it isn't going to mix. The color medium must be compatible with your dope, which is a petroleum base with some alcohol and other ingredients in its makeup. The listing for butyrate thinner goes like this: Toluene, Acetone, Methyl Ethyl Ketone, Isopropyl Alcohol, Diacetone Alcohol, Propylene Glycol, and Monomethyl Ether Acetate. Wowee! The listing for clear dope is even more complex. Adding soap to this busy chemical collection would probably allow a water base dye to mix, but would make for a heck of a messy model.

Bright aniline dyes are very good tinting colors, but are somewhat hazardous and generally difficult to obtain in local stores. I have had good results with Sanford brand markers in the largest size offered. They go by the name of king size permanent markers and are available in most of the colors you would want to use on your models. They have a strong solvent odor when you remove the cap. Don't waste your time with markers marked washable or erasable for the obvious reason that they won't mix with dope. I have been sold Carter's ink which has bright, transparent colors but seems to be water based and does not mix with dope.

I generally use butyrate thinner as it works well with both nitrate as well as butyrate dope where the reverse is not true with nitrate thinner. Put on some cheap vinyl or nitrile gloves from the home improvement store and cut the marker container in the middle just deep enough to be able to pop it open. An X-acto razor saw works the best for this. Have a small, clean food jar ready and withdraw the fiber wick from the marker container and put it in the jar. Now fill the jar with 1-2 oz. of dope thinner and close the lid firmly. Try to use the least amount of thinner as possible to do the job. Doing so will allow you more leeway in the strength of the color and the amount of material produced. Now shake the jar well and then open it and proceed to squeeze out the remaining color from the fiber wick. This is where the gloves are important as getting dye on the hands takes days to wear off. Now add the clear dope to the mix just a little at a time. Don't over do it or the mix will be too weak and the color faint. Adding 2-3 coats of tinted red dope to a red silked frame work will give you a deep red candy effect. This holds true when working with other colors in similar fashion as well. The foregoing works the same for colored tissue also. In working with Polyspan I start using the tinted dope from the beginning due to its plastic and non-natural fiber composition. Its absorption rate and character is somewhat different from natural fibers and it also exhibits a noticeable tendency to sun fade somewhat. Just like candy painting on a car where the start and stop places around the door jambs tend to be a darker shade, you will want to start and stop various coats in different places. Spraying the finish on is an excellent way to obtain a uniform color, but most of us don't care for the overspray mess and cost of material waste. The choice of purple is really regal and gives a gorgeous results.

All the Best, Wen Mac Bill, Bill Schmidt

**May 21, 2010 Meeting Minutes**

**ATTENDEES:**

Mary Kay and George Avila, Betty & Larry Bishop, Les DeWitt, Paula & Jeff Englert, Jane & Earl Griffith, Darlene & Richard Kirkland, Danese & Bill Lindsay, Marty & Jim O'Reilly, Eleanor and Jack Phelps, Marilyn and Bill Schmidt, Lori & Terry Trishler, Cindy & Dan Walton.

Vice-President Schmidt called the meeting to order.  
The previous meeting minutes were approved as read.  
The treasurer's report was read by the treasurer, Jim O'Reilly

**OLD BUSINESS:**

Mike Basta cancelled the Father's Day FF contest at Marion. No compromise was worked out regarding the damage to the field from the previous year's contest. Search for a new site begins!

**NEW BUSINESS:**

It was moved and seconded and also passed to send a stipend to the flying field owners.

**SHOW AND TELL:**

Bill Displayed his Cleveland Condor which he added a 2 channel radio. Covered in red silk and polyspan.

Jim O'Reilly showed off his first Gollywock, having never built one previously. He also had an Ed Lidgard design, 1941 C Fuselage.

Jeff Englert showed off his Tip launch HLG that had been dyed with Trans-Tint coloring.

Dan Walton showed of the latest incarnation of his KISS evolution, which has been published by Flying Models. This time it has been equipped with a Norvel 0.061 glow engine. Now weighs 16 oz, versus the 12oz as an electric.

**NOTE: Since the June Contest was blown out, the events have been carried over to this fly- in on July 17th & 18th!!!!**

## Little Wings, Big Dreams: Sport Aviation in Miniature

Check out the slide show at the EAA web site. It features about 23 pictures of the model airplane exhibit sponsored by the AMA in the EAA museum. The site is:  
<http://www.eaa.org/apps/galleries/gallery.aspx?ID=301>

Surprisingly, you will find models donated by two of our club members.



The original rubber powered Clodhopper was designed and flown by Jim Cahill (1918-1990) of Indianapolis, Indiana. In 1937 he won the International Wakefield Cup trophy with his Clodhopper. The International Wakefield Cup was the first international trophy for aeromodelling competition. The Comet Model Airplane and Supply Company kitted a version of the Clodhopper with minor differences from the World Championship model. This example of the Clodhopper II was built and loaned by Mr. Jim O'Reilly, Bel Aire, Kansas.

EAA members are often active modelers too! Dan Walton, EAA 101144 of El Dorado, Kansas was inspired to build a Peanut Scale model of one of sport aviation's most interesting looking airplanes, the Dyke Delta. The full size version was featured on the cover of Sport Aviation in December, 2008, and Dan reproduced it in stick and tissue form, with a wingspan of 13 inches.



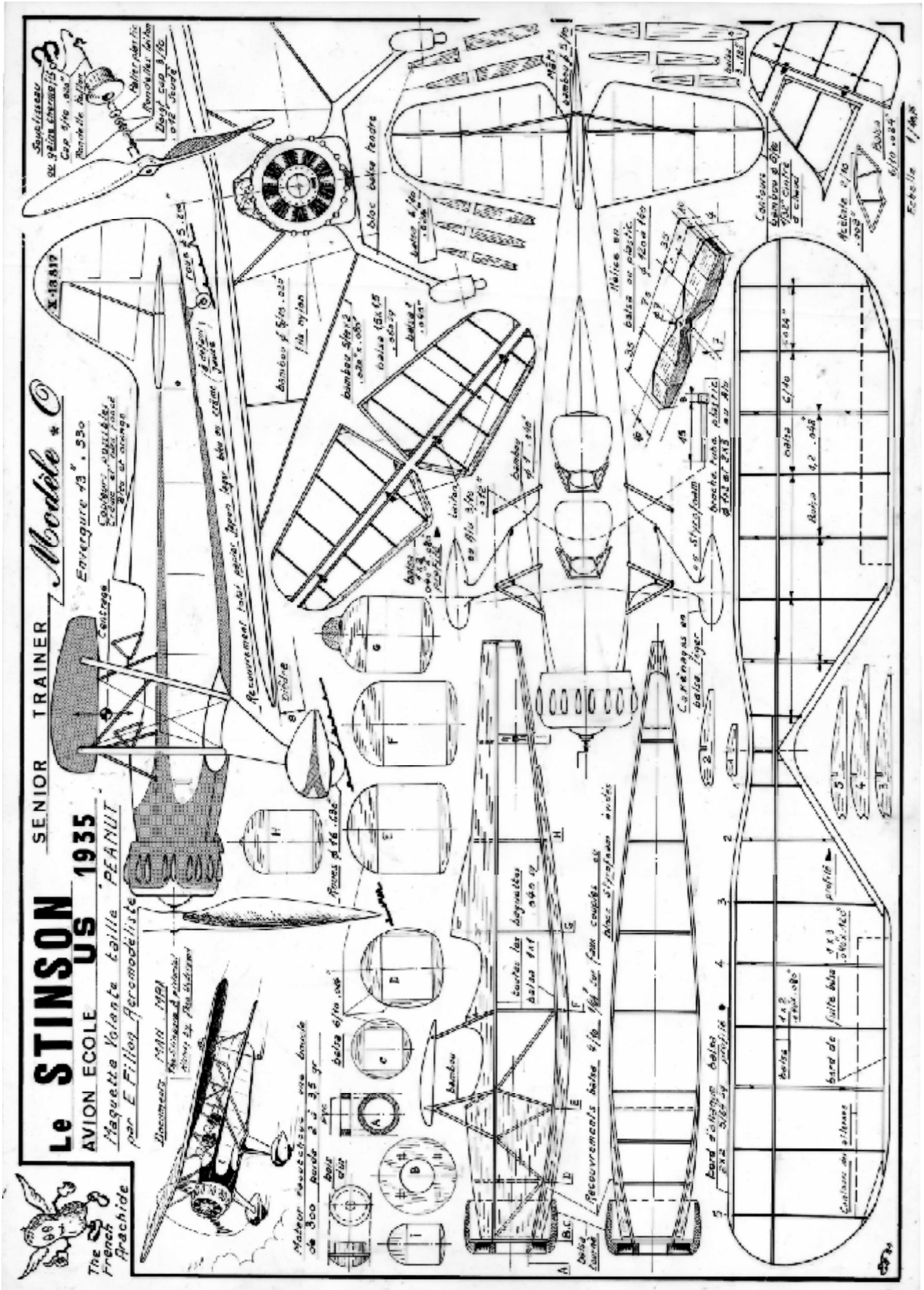
Both Photos credit Bonnie Kratz



Cleveland Condor, built per the plans with all 1/16 square stick or 1/16th sheet balsa. Cannon 2 channel RC added for control. Red Silk fuselage covering!

Danner Bunch, of early model engine fame, actually designed this thing. The design has an extremely light structure of mostly 1/16" sht. and stick with a 36' wing span. My wt. is 2.6 Oz. w/o motor. It has black silk on the fuselage due to the compound curves, with light polyspan and tissue elsewhere. I used nitrate dope and a 12" free wheeler.





WHAM – News, Views and Reviews  
Jeff Englert  
10118 Sterling Court  
Wichita, KS 67205



**FLYING  
ACES**



**Sunflower Squadron  
Wichita, KS**

The next SAM 56 Dinner Meeting will be at:

**Mediterranean Grill Restaurant**

**335 South Armour, 651-5599**

**Saturday, July 17, 2010**

Social Hour @ 6:00 PM, Dinner @ 7:00 PM.

**2010 FLYING SCHEDULE**

- |                        |   |
|------------------------|---|
| <b>July 17-18</b>      | <b>Meeting – Location TBA, FAC Golden Age, Small Rubber, .020 Replica, 1/2a Texaco, Cloud Tramps, Jimmy Allen</b> |
| <b>August 14-15</b>    | <b>fly, FAC Moth, 1/2A Nos, Jimmie Allen</b>  |
| <b>September 25-26</b> | <b>Meeting – Cortez, fly, 1/2a Texaco, 1/2A Scale, Small Rubber</b>   |
| <b>October 9-10</b>    | <b>Jimmy Allen, fly FAC Moth, FAC Golden Age</b>  |
| <b>November 6-7</b>    | <b>Fun Fly Meeting November 13th</b>  |

**Membership Information:**

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

Send checks to Jim O'Reilly, 4760 Battin, Wichita, KS 67220.

All memberships and subscription renewals are due January 1st of the new year.

Club Officers: President: Earl Griffith,

Vice-President: Bill Schmidt 744-0378,

Treasurer: Jim O'Reilly, 744-0856

Secretary: Jeff Englert, 722-7491

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