

# **THE REALLY GREAT SAM 8 SPEAKS**

SOCIETY OF ANTIQUE MODELERS



**FLYING  
ACES**  
Eagle Squadron 34

## **LONG TIME FLYERS CLUB NEWS**

On the web at <http://www.sam8.org>

**VOLUME 401 ISSUE 4**

**April 2020**

Roster of the old dawgs....

**STEVE DONA.....'THE PREZ'**

**WILL TILSE.....VICE PRESIDENT**

**DAVE CASSELL.....SECRETARY-TREASURER**

**DAVE GARDNER.....SCRIBE OF THIS RAG....**

**Notice: Next Meeting: Second Thursday of the Month, 2020**

**Rainbow Café, 112 E. Main St., Auburn, WA, 10:30 am-1 pm..(or thereabouts.)**

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### **President's message .....**

*It cannot be seen, Cannot be felt,  
Cannot be heard, Cannot be Smelt,  
It lies behind stars and under hills,  
And empty holes it fills.  
It comes out first and follows after,  
Ends Life, kills laughter.*

*This is one of the riddles from The Hobbit by JRR Tolkien The answer is **Time***

*With the Covid 19 pandemic happening across the globe, we all find ourselves with a bit of time. But time is also marching on and many of our annual rituals are going to be missed this year. My suggestion is for us all to clean off the building board and build some models! With my new house finally completed, I spent the last few days out in the shop, getting set up for some model building and repairing. I have talked with several of the SAM 8 members recently and it seems that many of you are doing the same.*

*I recently came across a CD's of photos from 2005. Photos were from the 2005 SAM Champs with a rich display of pictures expertly taken by Bob Harper. Brought back some fond memories. This was my second Champs and I was determined to make a good showing at the week long event. I rode the elevator down from our hotel room with my friend Bill Hooper and on the way, we talked strategy. I confidently told him that with nearly 20 people entering each event and 5 minute maxes, this was all a test of "how big are your balls"! Bill looked at me wide eyed and asked what I meant? I told him that if you are not going all out, you are not going to even place in the top 10.*

*We arrived at the field 15 minutes before sunrise and hurriedly got set up for the day's events. I began putting models together and Bill, my trusty helper got to work bringing the field box and fuel out to the flight line.*

*Within 15 seconds of the starting gun, my motor was running and I launched my first model. It roared off the desert floor and did a magnificent loop and piled into the ground 30 feet from us.*

**One plane down.**

*Unfazed, I brought out another model and proceeded to pile the new one into the ground in a tight sweeping spiral dive.*

**Two down.**

*I brought out my trusty Out of Sight. Always a good performer for me and got the O&R .23 running smoothly. It climbed up in nice form, tightened up and spiraled into the ground.*

**Three down.**

*I took out my Simmons Gas Champ and quickly fueled it up, started and launched. It hung on the motor, did a series of high-powered stalls and finally, dove straight into the ground.*

**Four models totaled in under an hour....**

*I had brought nearly 20 models to the SAM Champs and I quickly realized that at this pace, I would be lucky to have much to fly past lunchtime!*

*I walked over and sat down by my car and took out a box of candy and ate it slowly. Clearly, things were not going according to plan. I needed to slow down, think things through and fly a smart contest from this point on. This was a new field for me, the air is thinner and everything flies differently. Motors run differently too. I was in such a hurry to fly the events that I broke my overall rule of contests: "it is supposed to be fun". By taking time to adjust to the field conditions, I began to enjoy the contest and even win a few events too.*

*So what is the point of all this? Well the way I see it, this Covid 19 thing is a huge bother to everyone. But it DOES do one thing. It forces us to stop and rethink our plan. Like it or not, we all have TIME for once. So really clear off the workbench (not your typical method of just clearing off enough space to fit the plan on) Pick a model that you will enjoy building and dive right in. I hope to see a newly minted model in every SAM 8 member's hands when we finally get together to have a meeting.*

*Be safe, stay healthy!*

*Steve Dona, The Prez*

*(It's nice to find the old pics....!!! ....particularly of a damn pretty airplane!)*



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*SAM 8 Minutes for March 12, 2020*      (attendance =??)

- Called to order by Ppresident Steve Dona.
- MSP to transfer 18-20 kits from the Ed Lamb stash to the contest prize pool for this year.
- Long discussion on how best to integrate our new small field event with the Sky Voyager ARF. Ways to limit performance were discussed, including:
  - Limited rubber, possibly 4 grams as per Japan events with this model.
  - Rubber motors will be pre-made by club and handed out to fliers by the CD.
  - Models to be purchased, handed out and assembled on the field.
  - Aliphatic resin and epoxy preferred. Foam melting glues (like cyano) are to be avoided.
  - With little or no wind periods, have mass launch. Last man down wins. If weather allows, we could have 2 or 3 mass launches during the day.
  - Keep it simple. HAVE FUN!
- Change of venue for the prop carving workshop. We have lost Finn Hill as a venue, through the end of April and possibly longer. Prop Carving workshop will be held at Will's shop/magic kingdom in Kirkland. (Will -- provide us with an address and map for first time visitors.)
- Meeting ended with auction of models and associated stuff from Ed Lamb.

Signed: *Tom Cashman* (stand-in scribe...)

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**2020 Old Time, Free Flight, Control Line and Club Modeling Event Schedule**

Date	Event / Time / Location	Activity/Location	Contact
See Below	2019-2020 Finn Hill Indoor Schedule	Finn Hill Gymnasium	SAM8
<del>Build/Fly Session</del>	<del>March 21, 2020</del>	<del>SATURDAY</del>	<del>SAM 8</del>

**LAST MINUTE: !!!**

**REMAINING SESSIONS ARE CANCELLED BECAUSE OF FHJHS SHUTDOWN !!**

For additional Northwest FF and CL activity, see the following websites for more detail.

For SAM 8 activities, look on the SAM 8 Website, <http://www.SAM8.org>

For SAM National activities, look on the SAM Website, <http://www.antiquemodeler.org/>

For WMC activities, check on their website, [WillametteModelersclub.weebly.com](http://WillametteModelersclub.weebly.com), or contact Bob Stalick at [freeflyer@aol.com](mailto:freeflyer@aol.com).

For NW Skyraiders' activities, check on <http://flyinglines.org>, or [davegardner55@msn.com](mailto:davegardner55@msn.com).

**Really Great SAM 8 meets every second Thursday each month the Rainbow Café in Auburn at 11:30 AM. Come join us for lunch! (WHEN AVAILABLE..!!**

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More from Tom Cashman, on Prop Carving:

**PROP CARVING WORKSHOP Preparation**

**For FUTURE DATE, AT LOCATION TBD.....PROBABLY WILL'S GARAGE!**

- Decide what size prop you want to make. The drawing noted is proportioned for a 12" prop. This prop can be used as a free-wheeling prop for a Senator, or made as a folding prop for a Gollywock or any of that Wally Simmers family of models. This is a good size for many medium size rubber models.
- Scale this up or down according to your needs.
- Use a straight edge and an Ultra Fine Point Sharpie pen to mark your balsa block. The block in this the drawing is a 1" x 1 3/4" x 12" block.
- If you don't have a block or need an unusual size, contact me. I may be able to help.
- After you have marked the block, drill a center hole for the prop shaft before starting to carve. Bush the hole with brass tubing to fit the prop shaft required for your model.
- Find, borrow, or buy a carving knife. I have used a sharp fish filleting knife with good success. Sharp is important.
- Remember that we will be taking many small balsa shavings. Big long knife strokes often bring disaster.

**Questions – contact Tom at [tomcashman@aol.com](mailto:tomcashman@aol.com) or 253.709.841**

The prop blank drawing will be available at the meeting for ready reference.....

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**Ed Lamb inventory update:**

**There is still a lot of Ed Lamb's stuff, airplanes, engines and other field supplies, etc. A separate listing will be put out shortly.....the 'stuff' is at random locations; some still in the back of my van.**

**With the unavailability of gathering locations, this 'distribution' will obviously be at a later date. We just need a space allowing 'separation'.....management will work it out!**

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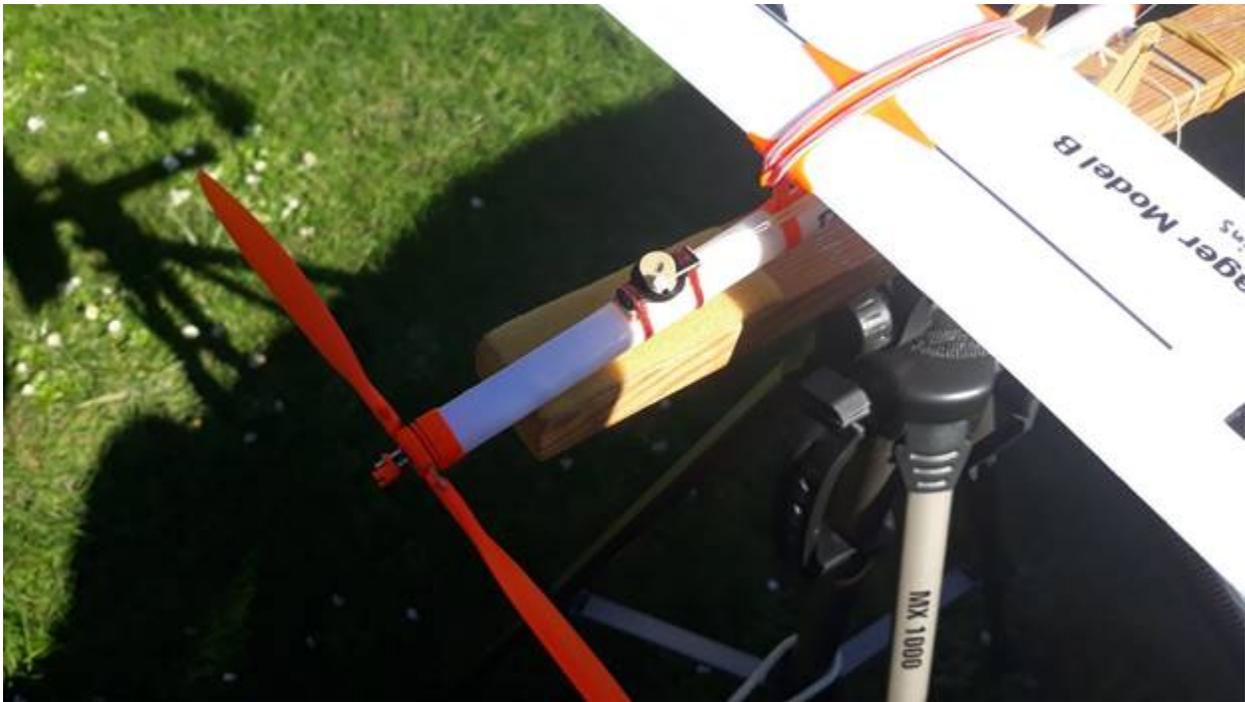
**David Higgins' Sky Voyager DT setup and installation**

Here is what I came up with for installing a D.T. on the Sky Voyager. I purchased 20 of the Volare viscous D.T.s for \$63 for SAM 8 club members to purchase. These D.T.s are very similar to the A2Z D.T.s that I had purchased a few years ago. The output arm on the Volare D.T.s is 0.128", they are 0.140" on the A2Z D.T.s. The photos show the A2Z D.T.

I've attached a pdf file showing how I added a D.T. to my Sky Voyager, which is very similar to the way J&H Aerospace does it on their YouTube video. One deviation that I used is the D.T. arm design. I could not get the J&H Aerospace arm (actually a wire and tube) to work, so I used a design that I got from A2Z Corp, where I first ordered this particular D.T.

Anyway, the D.T. worked beautifully. When the D.T. popped, the model did a small summersault and then it did a pendulum swing until it hit the ground with no resulting damage. The Sky Voyager has a fantastic glide, so it should do 1.5 to 2 minutes in dead air, depending on how many winds you put in the motor. I put 600 winds in a 12" long by four strands of 1/8" tan super sport (a 48" total length of 1/8" wide rubber makes four 12" long strands); the model climbed to around 150 feet. The motor run was at least 30 seconds.

Here are some pictures of the D.T. setup:



**A2Z type D.T. attached to forward end of motor tube. Note the thread wraps on D.T.**



**Stab in D.T. position. Note plywood hook on stab and plastic guide tube on boom.**



**Stab in retracted configuration showing rubber band attached to plywood hook.**

The attached pdf file should clarify how the D.T. system is installed. The 0.140" diameter hole is for the A2Z D.T. Make the hole 0.128" for the Volare D.T. At \$3.15 each for a viscous D.T. from Volare, there is no economic excuse for not having a D.T. on the Sky Voyager, it just takes some time and effort to install it. The D.T. installation adds around 1 gram to the weight of the model. Oh, BTW, that 2.42" dimension locating the D.T. on the motor tube is where it ended up on my model, others may have to locate it further forward to balance out a heavy tail. Perhaps a workshop to install D.T.s on Sky Voyagers at Will's garage is in order when the pandemic eases up.

Regards, David Higgins



*Martin Dilly would be pleased to sell you some of his marvellous Japanese tissue.*

## DILLY JAPANESE TISSUE

Martin Dilly has understandably shared the following independent review which appeared on the Hip Pocket Aeronautics Builders' Forum [www.hippocketaeronautics.com](http://www.hippocketaeronautics.com). Nine different tissues were tested, doped and un-doped.

"I am really impressed with how well this tissue performed. Dilly Jap tissue with 2 coats of thinned nitrate dope is around 8% stronger than the old 00 silkspan with 2 coats of dope, yet Dilly Jap is 0.09 grams per square foot lighter.

### Here are the test results:

Test#	Tissue Type	gm/sq ft	Avg Ten Str lb	Spec Str lb/gm
9a	Dilly Jap tissue (UD)	1.20	14.74	12.28
9b	Dilly Jap Tissue (D)	2.04	19.70	9.66

So far, the Dilly Jap tissue has the highest specific strength of all the tissues and silkspans tested. Doped Dilly Jap has nearly double the strength of doped Japanese Esaki tissue and yet doped Dilly Jap weighs 0.1 grams per square foot less than doped Esaki. Dilly Jap can't be beat for weight critical contest models requiring the torsional rigidity afforded by tissue papers!"

Martin Dilly can be found at many FF events with a stock of tissue in his car, or can be contacted on tel: +44 (0)20 8777 5533, email: [martindilly20@gmail.com](mailto:martindilly20@gmail.com)

### CRANFIELD 60

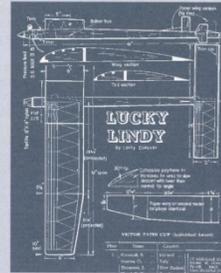
Simon Dixon has sent information on this double competition (at the FF Nats and postal) he is organising to celebrate the pinnacle of powered FF endurance.

I have persuaded the Free Flight Technical Committee (FFTC) to run a one-off competition on the Saturday at the 2020 FF Nationals in May to celebrate the 60 year anniversary of the 1960 Cranfield World Champs where we had 5 joint winners. The rules are simple it's basically BMFA classic power but only for the 5 designs:

- Gloworm, Mister Max, No. 18, La Bestia, Lucky Lindy mk3 or taper wing version
- Built from a published plan - Zaic 1959-61 yearbook, AeroModeller (magazine & annual), American Modeler, etc. Some may originally have been A5 sketches, while others were full-size plans. The Lucky Lindy plan can be downloaded from Outerzone.
- Any engine



June 1960 AeroModeller magazine had this drawing of Rolf Hagel's Mister Max as part of the Nordic Champs coverage.



This drawing of Lucky Lindy appeared in 1960-61 AeroModeller annual.

- Any fuel, any fuel system
- No minimum weight
- 12 sec run
- 2m 30sec Max

Entry via the BMFA Nats entry form when it's out. Medals and Certificates for the top 3.

The scores will also be entered into



Cranfield 1960. After twelve fly-off flights to a 3-minute max these guys were still there to share the win. From the left, John Sheppard, then Sandy Pimenoff who had tried before as had Larry Conover next to him. Then Giovanni Guerra and finally Rolf Hagel - Rolf was the only one to ever win it again. (Photo by Mike Everett)

AeroModeller 995 - April 2020

## VINTAGE FAI.....FROM CRANFIELD, FROM AEROMODELLER.....

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HOME BUILDING REPORTS FROM MEMBERS...

Hi Dave,

Attached are a few of my latest building projects. I know it doesn't follow the SAM 8 guidelines about building and flying "free flight" models, but I love the looks of "old timers" and "antique" models... (and a way to get them back).

1). Air Chief, converted to 3 channel RC, OS 20FS for power.

(Someone was passing out "free" plans at a club meeting, so I latched on to one.)

2). Junior 60, converting to 3 channel RC, "planning" on powering it with an OS 25.

Hopefully this is all the information that's necessary... A picture is worth a thousand words.

Have a good day!

Dan Owen



NICE WORK! ...AND NICE SHED / WORKSHOP !! (HOW DO YOU KEEP IT SO NEAT !????)

...and....Steve Helmick reports that he's in the middle of a major bathroom remodel.....no pics yet, just a few deleted 'magic words' , absolutely essential to any major project!

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thhhhhat's all, Folks, for now

....and, in closing.....



**The Complaint Desk has closed.  
The Editor has left the building.  
Don't forget to buy your souvenirs  
at the concession booth.**

# Really Great SAM 8

SOCIETY OF ANTIQUE MODELERS



## LONG TIME FLYERS CLUB

On the web at <http://www.sam8.org>

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Date: \_\_\_\_\_ Signature: \_\_\_\_\_

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