President: Jeff Renz

Vice President: Mike Basta

Treasurer: Jack Vetter

Secretary: Roie Black

Newsletter Editor: Dana Field

Website Editor: Jeff Nisley

AMA Charter # 2357
SAM Chapter #14
FAC Squadron 43

Heart of America Free Flight Association

9711 El Monte
Overland Park, KS 66207

Website – *kcfreeflight.org*

Dispatch

Schedule of Flying Events and Meetings

April 2021

Date	Day	Location	Time	Notes
OUTDOOR EVENTS				
Apr 13	Tues	Olathe, KS	6:30	**HAFFA Outdoor Practice Flying**
Apr 27	Tues	Olathe, KS	6:30	**HAFFA Outdoor Practice Flying**
May 1 & 2	Sat & Sun	Marion, KS	All day, both days	**WHAM Annual Outdoor Contest**
May 11	Tues	Olathe, KS	6:30	**HAFFA Outdoor Champs Flying**
May 25	Tues	Olathe, KS	6:30	**HAFFA Outdoor Champs Flying**
June 8	Tues	Olathe, KS	6:30	**HAFFA Outdoor Champs Flying**
June 22	Tues	Olathe, KS	6:30	**HAFFA Outdoor Champs Flying**
July 13	Tues	Olathe, KS	6:30	**HAFFA Outdoor Champs Flying**
July 27	Tues	Olathe, KS	6:30	**HAFFA Outdoor Champs Flying**
August 10	Tues	Olathe, KS	6:30	**HAFFA Outdoor Champs Flying**
August 24	Tues	Olathe, KS	6:30	**HAFFA Outdoor Champs Flying**
Sept 4, 5, & 6	Fri – Mon	Denver, CO	All Day All Days	**MMM Rocky Mt. Championships**
Sept 4, 5, or 6	Fri – Mon	Wherever, TBD	Time not set	**Sky Bunny Postal Contest**
Sept 14	Tues	Olathe, KS	6:00	**Final 2021 Champs Flying**
Oct. 2 & 3, 2021	Sat & Sun	Marion, Kansas	All Day both Days	**HAFFA Annual Fall Contest**
INDOOR EVENTS				
Apr 3	Sat	Osawatomie, KS	8:30 – 3:00	**Indoor Flying**
May 18	Tues	Prairie Village, KS	6:00 – 8:00	**Monthly Meeting**
May 23	Sun	Osawatomie, KS	8:30 – 3:00	**HAFFA Annual Indoor Contest**
June 15	Tues	Prairie Village, KS	6:00 – 8:00	**Monthly Meeting**

HAFFA Indoor Flying Site Locations:

Ozanam School Auditorium
421 E. 137th St.
Kansas City, MO

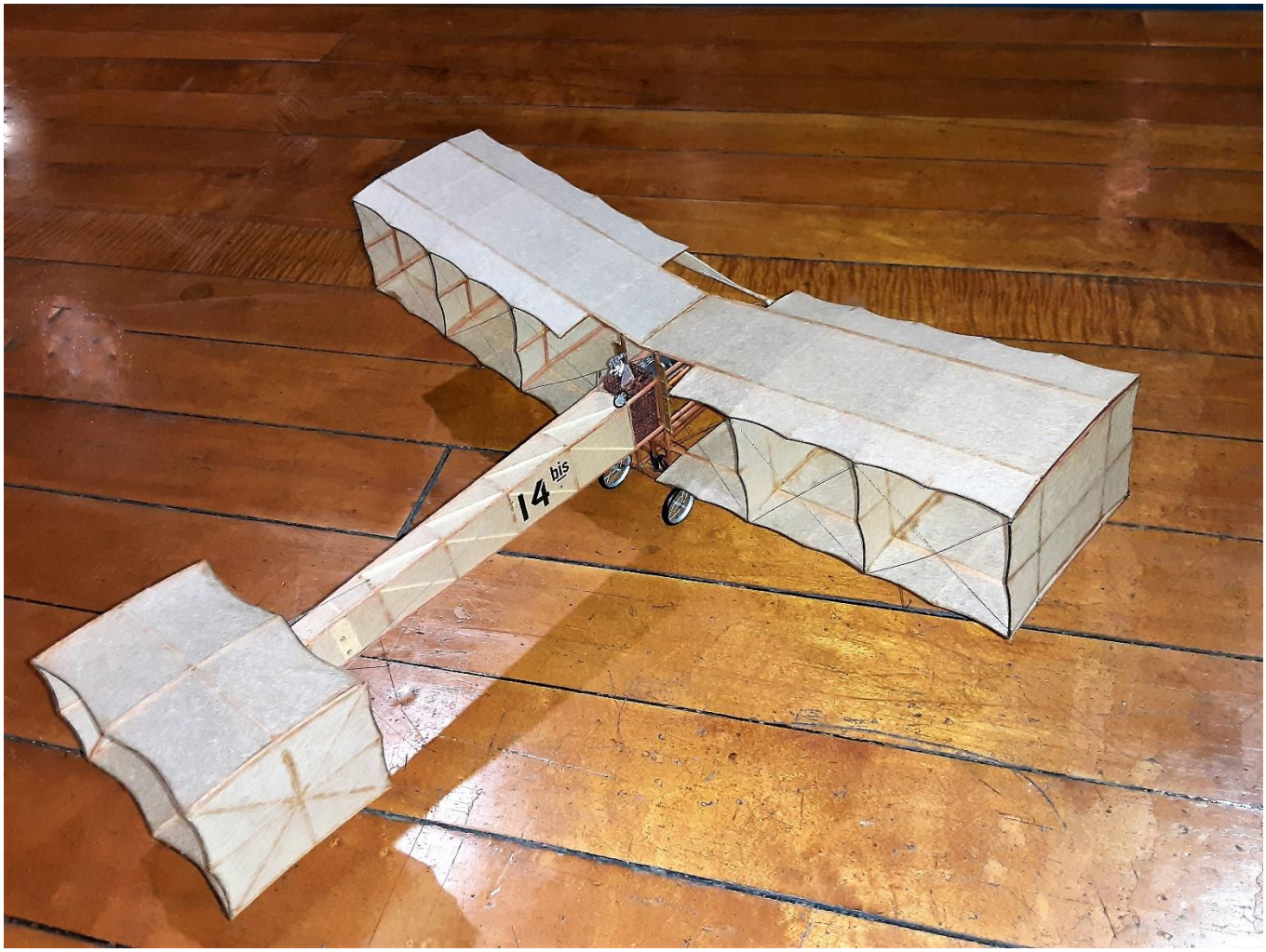
Osawatomie City Auditorium
Main Street
Osawatomie, KS

HAFFA Club Meetings:

JC Library – Corinth Branch
8100 Mission Rd.
Prairie Village, KS

Editorial – Another quickie newsletter – the main reason for this is to make everyone aware of changes to our calendar. Our indoor contest has been moved to Sunday, May 23rd. This is because a number of HAFFA members, including Jeff Renz and myself, will be attending the WHAM Annual Outdoor Contest May 1st & 2nd in Marion, KS, and it would be foolish to schedule the contest without our contest director. Sunday, the 23rd was the only workable day available. Next, we received notice that the Johnson County libraries are to fully reopen in May. The meeting rooms will be available for reservations starting April 28. The only bump in this news is that the Cedar Roe branch that we would schedule is closed until the end of June for reroofing. So, I will attempt to reserve the Corinth Hills branch meeting room for a meeting in May, and again for June. We had meetings there before moving to Cedar Roe. Again, the libraries are only open until 8:00 pm, so our meetings will be from 6:00 to 8:00 pm. Keep in mind we will probably still be required to wear masks. A final editorial note, we decided it would be nice to have fun flies on the Tuesdays when we do not have championship flying, and after this month that would only be the first Tuesday of the month if we have our normal monthly meetings. As I write this on Monday, it is not particularly nice outside, like it was yesterday. Maybe we will fly tomorrow night, and maybe not. As of now, several of us are planning to fly.

Indoor – The final regular indoor flying session for the current season was held Saturday, March 6th, leaving the season ending contest for May. There were four fliers present, Jeff Renz, Suman S, Roie Black, and Jack Vetter. Suman arrived with no planes, but was carrying a big bag of rubber. He latched onto one of the club's P-18's, and he and others spent most of the day trying different rubber configurations on P-18's. My understanding is that they settled on long loop's (don't know how many inches) of something like 0.065, and were getting over two minutes. Guess I don't need to worry about that event next month. Gary brought his Santos Dumont Bis 14, and flew it. I had Jeff get a really good photo of it, with coaching from Gary, which is somewhere down below. That is about it for Indoor, except to remind everyone of the contest date, May 23rd.



Gary Hodson's Santos Dumont bis-14, a fantastic "Peanut Sacale"!



Gary Hodson lectures to Suman and Roie Black.

Outdoor – No results or much to talk about. Our first championship practice session for last week was blown out. This usually happens with regularity in April. Our next session is scheduled for April 27. I promise to get the rules for the four events out to everyone this week.

Plan – One of the events for the outdoor season is FAC Jet Cat, and in fact, it is the most popular event. I tend to attach plans for Jet Cat's to the newsletter regularly. They tend to fit on 81/2 x11 sheets easily, Anyway, the following three pages include plans for a de Havilland Venom and the build article. If memory serves me right, it is a competitive model that will fly with the best we have built to date. It is available as a kit from Retro RC if you don't have any balsa or sharp Xacto blades. Must be more than twenty bucks though!

de Havilland DH-112 Venom

by Mark Freeland



An easy-to-build all-sheet semiscale hand- or catapult-launch glider

Follow these steps to build your own Venom.

Photocopy the plans and attach them to wood sheets with a glue stick, tape, or low-tack adhesive. Use medium 1/16-inch balsa sheet for an indoor glider. To make a stronger outdoor glider, substitute 3/32-inch balsa sheet, and widen the slots to match. I recommend using a slow-drying glue for assembly.

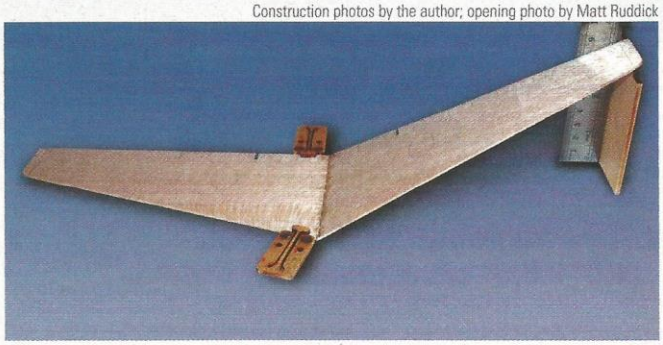
Cut out the parts with a sharp knife. Get help with this if you're uncomfortable using sharp tools.

The angle of the slot in the tailbooms and rear top surface is important. Both tailbooms should be identical. Remove the paper patterns from the wood and sand all of the parts before assembly because this is easier than doing it afterward.

Glue the wing halves together with one wingtip raised 3 1/2 inches from the building board. Reinforce this joint with a glue fillet. Glue the fin to the end of the tailboom and leave a 1/16-inch gap for the stabilizer to slide into the fin.

When the glue is dry, slide the stabilizer into the slots on both tailbooms and glue it in place. The tailbooms should be parallel and perpendicular to the leading edge of the stabilizer. Leave the tailboom bottom edges on a flat surface while the glue dries.

Construction photos by the author; opening photo by Matt Ruddick



Slide the two-piece wing into the slot in the fuselage's main body. Align it so that it is centered and has equal dihedral (upswept angle) on both sides, then glue it in place. When it is dry, slip both tailbooms onto the rear of the wing, slide them into the slots on the wing, and glue them in place. Glue the side cheek doublers on each side of the fuselage.

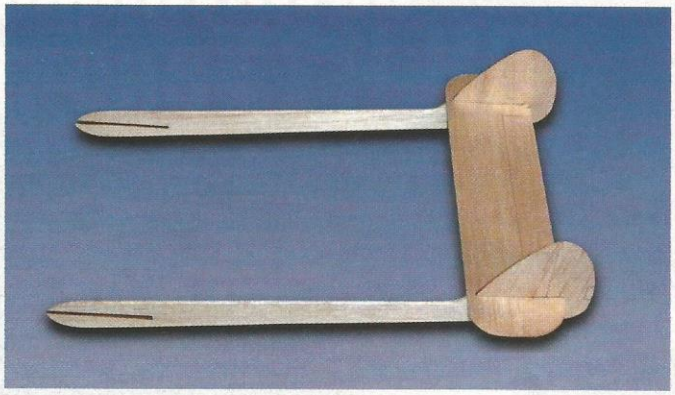
Next, glue the wing root fillets between the rear of the wing and the fuselage. Make sure to align them with the wing's surface. Add the optional wingtip tanks if desired.

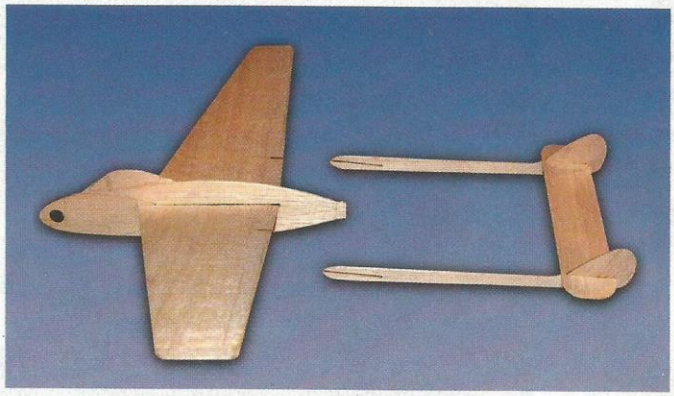
For a catapult glider, cut out a hook as

Supplies needed

- Two 1/16 x 4 x 10-inch balsa sheets
- One 1/16 x 3 x 10-inch balsa sheet
- One 1/16 x 1-1/2 x 6-inch balsa sheet
- A sharp hobby knife
- Sandpaper
- Two #8 washers
- Glue

To make a catapult launch, you also need a 6-inch dowel handle with a loop of 3/32 x 18-inch rubber strip for the launcher.





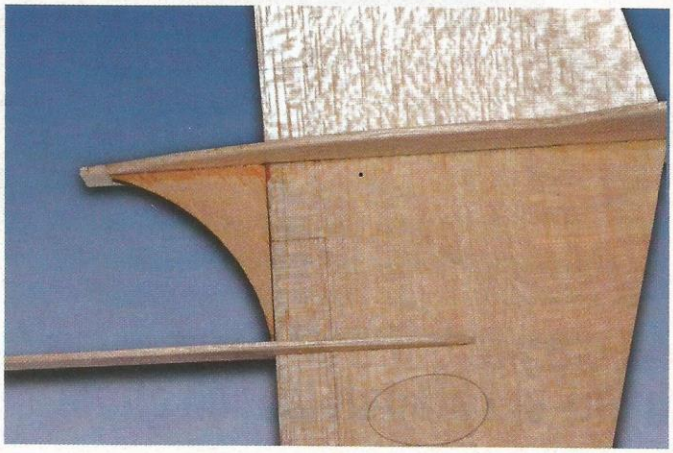
shown by the dashed line on the plans, or bend a wire hook as shown. Drill a 1/32-inch hole up into the fuselage, and epoxy the hook into the hole. Cut two 1 x 5/8-inch sandpaper grips, trim them to shape as shown on the plans, and glue them on each side of the fuselage under the wing root fairings.

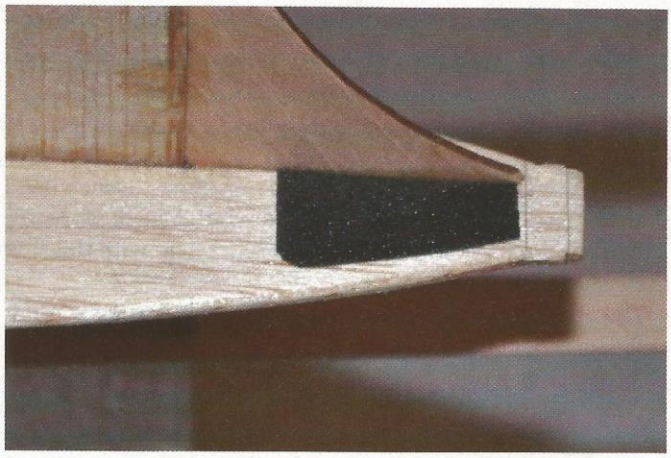
Decorate the glider as you want. You can use markers, paint, etc. Look on the Internet for color schemes from which to choose. There are many! Cut out the cockpit and other decal patterns from the plans and glue them on (if you like).

Add weight to the nose (I used washers and clay) to balance the glider at the front tips of the tailbooms. Test glide and adjust the balance to achieve the best glide. Turns can be adjusted by adding a pea-size piece of clay under one wingtip. Trim the aircraft for a left-hand turn if you are launching with your right hand.

If you use a catapult, launch the de Havilland with a 45° bank angle at 45° to 60° from the horizon. With practice, you can achieve glide times of 20 seconds or more. Don't forget to add your name and address to the model in case it gets away.

If you prefer not to cut out your own parts, a laser-cut kit is available from Retro RC LLC & Campbell's Custom Kits.



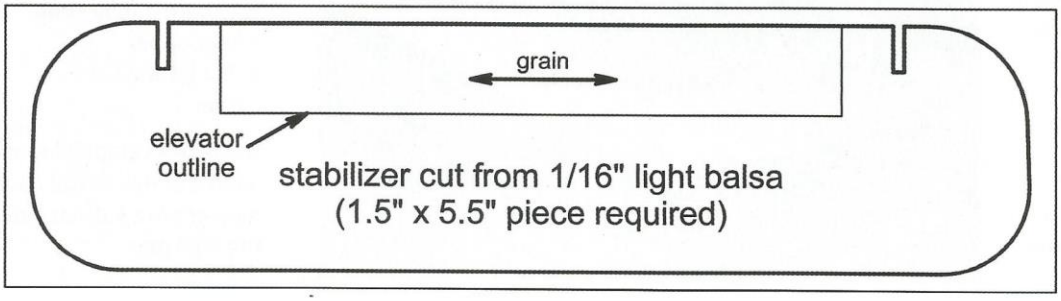


—Mark Freeland
retrorc@live.com

SOURCES:

Retro RC LLC & Campbell's Custom Kits
(248) 212-9666
www.retrorc.us.com

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Laser cut kits are available at www.retrorc.us.com



fuselage body & two side cheeks
cut from 1/16" or 3/32" medium balsa
(one sheet 3" x 10" required)

LEFT SIDE CHEEK

RIGHT SIDE CHEEK

FUSELAGE BODY

3/8" hole for
nose weight
(use washers
and clay)

cut out hook for
catapult launch

sandpaper patch both
sides for catapult
launch grip

alternate
wire launch hook

grain
3" x 10"

MAKE TWO COPIES OF ALL PARTS ON THIS SHEET

BOOM

G-GONE

TIP TANK
(optional)

FIN

WING ROOT
FAIRING

add drop of glue
to simulate tail skid

"G" number on bottom
of left wing only

G-GONE

Cut out cockpit and glue to each side of fuselage.

grain
4" x 10"

align tip tank
with these lines

flap outline
(underside only)

aileron outline
(both sides)

1/32" music wire
catapult hook
template

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Laser-cut kits are available at www.RetroRC.us.com