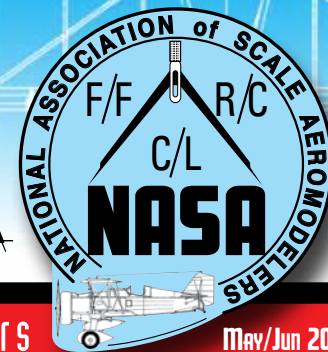


REPLICA



Newsletter of the National Association of Scale Aeromodelers

May/June 2012

2012 AMA Scale National Championships

Our AMA Scale National Championships is coming up quick! It will be held on July 13-15 at the AMA International Flying Site at Muncie, Indiana. No change there.

But there are other changes to encourage the novice or those who have been a little concerned about attending the Nationals, thus there are several new added classes some of which are unofficial at this point.

First Novice entries will only be charged the National \$45 basic registration. All models will be processed by noon on Friday, July 13. Junior AMA members (15 years old but under 19 on July 1) will have free class fees. There will be awards for the best Jr. and Senior flier in RC and CL classes.

There is a new unofficial class this year Advanced class. This category is available using aircraft that are not governed by the Builder of the Model rule. This includes purchased, modeler-built, or factory-built scale models including ARF/ARC (almost ready to fly/cover). Judging criteria for both flying and static are identical to Expert and Team Scale. Contestants who placed in the top 30% of this class shall be qualified for entry in the Advanced class at the Scale Masters Championships being held this fall in Southern Indiana. As with most large scale contests the National Championships is also a qualifier for the U.S. Scale Masters.



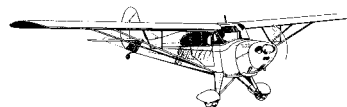
At the Friday night NASA Jam there will be all sorts of entertainment. Our own Greg Hahn, AMA Technical Director/country music star, will sing for the group. Karaoke and scale flyers with their own music will be there too. Bring a picnic basket, cooler, and lawn chair for a great time.

On Saturday night the NASA banquet will be held at the Claude McCullough Learning Center, attached to the AMA Museum. Tickets are \$15, children 12 and under are \$10.

Tickets will be on sale at the RC and CL sites during the day on Saturday and (I'm assuming on Friday also). Dale Arvin will be there to entertain us with an auction/roast of prominent AMA members.

So for a great time and a great place to fly and associate with others of us who are scale modelers also, come to this year's AMA Nationals!

STAN ALEXANDER
onawing4602@att.net



NASA OFFICERS

PRESIDENT
MIKE BARBEE
3903 Whispering Creek Lane
Delaware, Ohio 43015
740-362-5504
mabarbee@aol.com

VICE PRESIDENT
PAUL CAIN
1906 Center Street
New Albany, Indiana 47150
812-945-3103
c103iflyrc@att.net

SECRETARY/TREASURER
BOB LIRETTE
W162 N9440 Blackfoot Drive
Menomonee Falls, Wisconsin 53051
262-251-0804
blirette@sbcglobal.net

**REPLICA EDITOR/
NASA WEBMASTER**
MARK LANTERMAN
7414 Burton Drive
Liberty Township, Ohio 45044
513-755-7494
mark@airbornemedia.com

Scale Event Calendar

JETS OVER KENTUCKY

July 8-14, 2012 - Lebanon, Kentucky
<http://www.visitlebanonky.com/jetsoverkentucky.html>

AMA NATIONAL SCALE CHAMPIONSHIPS

July 13-15, 2012 - Muncie, Indiana
<http://www.modelaircraft.org/events/nats.aspx>

DAWN PATROL

August 10-12, 2012 - Umpqua, Oregon
<http://www.nasascale.org/pdfs/2012-dawn-patrol.pdf>

THE FCM AT AMA

August 25-26, 2012 - Muncie, Indiana
<http://www.nasascale.org/pdfs/fcm2012%20flyer.pdf>

President's Notes

Hello everyone. The flying season has started and I have been busy traveling to a couple of the early events.

I am sad to report the passing of a fellow long time scale modeler Charlie Baker. I had flown many years with Charlie at the Mint Julep and the Nats. We will all miss him, our thoughts and prayers go out to his family.



John Boyko and I instructed at our first Build Scale and Fly Scale Symposium at the Toledo Show. I am happy to report that it was well attended. Maybe there is still hope to elevate our scale modeling from the dead zone. I believe there are people interested but they just need a little help to get a good start. No one wants to blunder through their first contest. All I can say is that it should be a combined effort from all NASA members to inspire or help a new scale modeler. You can do this at the club level or bring a buddy to a contest and help him through it. From our class we had one competitor fly his first contest at the Mint he did a respectable job. We hope to see him at the Nats.

Membership renewals are trickling in but we need a more concentrated effort to get all members updated by the first of May. If you haven't sent your dues in yet please do it now.

The Nats planning is progressing very well. Jim Martin our event director has all the judges lined up. However we could still use some volunteer help, if you plan to attend and would like to help, let Jim know. We have a hangar party planned for Friday evening at the field and the word is that there will be some picking and grinning going on.

Shannon Ort is the banquet planner and is doing a great job. This year our event will be at the AMA Museum on Saturday evening. We will have an auction to help support the Nats and other surprises. I hope all of you will help support NASA any way you can.

The Nats is also a qualifier for the Scale Masters Champs. This year they will be held at the Ohio Valley R/C Fliers field in Rosewood IN. Great club to work with and a beautiful fling field so try to get qualified.

See you at the Nats!

MIKE BARBEE
mabarbee@aol.com

Protecting Hinges

Petroleum jelly often has been used on pinned hinges to prevent epoxy glue from sticking to the hinge joint; however, it is difficult to get just the right amount on the hinge and to make sure the hinge is completely coated.

A very cool way is to melt the petroleum jelly in a small dish such as a dessert dish (an oven safe type, of course). Use only enough to melt to a depth of about 1/6 of an inch. Fold the hinge and dip the pinned end into the melted jelly.

Remove and touch the hinge to a paper towel to remove excess. In a couple seconds, the petroleum jelly cools and has penetrated the hinge.

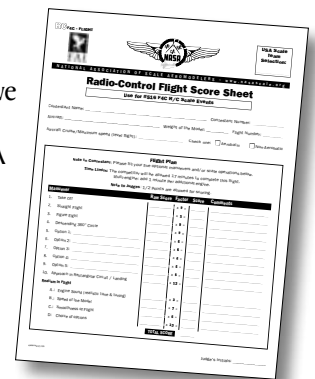
You now have a completely coated hinge joint that epoxy will not stick to.

GENE DAVIS

www.NasaScale.org

NASA NEWS AND INFORMATION ON THE INTERNET

If you have internet access, you owe it to yourself to visit NASA's web site - www.nasascale.org. The NASA site was designed from the start to be the only place you need to go to find out everything that's happening in the world of scale aeromodeling - whether it's here on the National front, or on the International front - the domain of the FAI.



COMPETITION DOCS/FORMS

This is one of the more exciting features of the web-site. We have all the competition forms and documents for scale competition online in pdf form. Not only are the documents up-to-date, but we now have two versions of each.

One is the regular pdf that we invite contest directors to download and printout for use in their contests.

The second (and more exciting) version of the form is the "intelligent" form. Using this version and an up-to-date version of Adobe's Acrobat Reader, you can fill out all your information using your computer, then pre-print copies to take to your next scale event: information about yourself, your plane and your maneuvers/options. All AMA rule book maneuvers/options (as spelled out in the current AMA rule book) can be selected from pull-down menus; right on the .pdf. Imagine not having to spend time at your next contest filling out forms!

Oh, one more thing - the forms do NOT allow you to fill in your own scores! Sorry - some things are best left up to the judges!

The forms are online now for all Control-Line and RC events - from Fun-Fly up to FAI! Download your forms today!

NASA Member Projects Online

Take a few minutes to send us a bit of information on your latest project. We're featuring NASA member's scale projects online in our blog. It's new, and to get an idea of what we're looking for, visit the NASA site and click on the Members Projects link at the top of any page. Or you can visit this section at the following address:

<http://nasascale.wordpress.com>



IF YOU HAVEN'T RENEWED YOUR NASA MEMBERSHIP FOR 2012, THIS WILL BE THE LAST ISSUE OF THE REPLICA YOU RECEIVE.

DON'T MISS A SINGLE ISSUE. RENEW TODAY!

All we need is a paragraph or two about your project. Include the name of the model, the type of power, radio brand, and details of any special features you're incorporated. Attach nice, high-res photos and we'll get it online!

To submit your projects, email the info to: info@nasascale.org

When a flight is proceeding incredibly well... something was forgotten.



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Mint Julep Scale Meet 2012

Guys, if you didn't make it to this year's Mint Julep Scale Meet you missed a great contest.

There were 43 pilots with 55 planes from all military and civilian categories and from nine states including Florida and Louisiana.

Of the 43 pilots, 2 have been at the Mint Julep over thirty five years. Hal Parenti has been there 37 straight years. Mary and Dale Arvin have been there 39 years and Jeremy Arvin every year of his life (35).

The weather was great. It has been many years since we did not have rain on at least one day of the contest which sometimes is referred to as the Mud Julep. We did not even need to peg down our shelters.

Sponsors this year were very generous. Everyone received at least two bottles of glue.



Current NASA Pres. Mike Barbee with past NASA presidents Ed. Terry, Stan Alexander & Bob Underwood.

Al Kretz from Huntsville, AL won the Pilots Choice Best Military award with his Dornier and Gary Parenti received the Pilots Choice Best Civilian award for his Beta Minor.

The Saturday night Banquet which is usually emceed by Dale Arvin was preempted by Earl Dever and others to thank Dale for his 40 years of service to the Mint Julep.

Dale received multiple awards including life time memberships in NASA and USSMA. Charlie Bauer (District 6 VP) presented Dale with a District Service Award.



The Arvin/Dever Scale teams comprised 15% of the contestants.

Next year's Mint Julep will be held at the ORVRCF's field in Rosewood, Indiana, the second weekend in June 2013.



Mike Barbee won Expert Scale with his T-34.

DALE ARVIN
DArvin8094@aol.com



Mint Julep 2012 Scores

DESIGNER SCALE

Contestant / Model	Static	Round 1	Round 2	Round 3	Round 4	Total
Hal Parenti / Ryan Fireball	98.25	87.00	92.25	93.75	75.25	191.2500
Al Kretz / Dormier D023G	97.25	90.75	93.25	88.00	92.25	190.0000
Bob Underwood / Hiperbiplane	97.75	0.00	0.00	Scratch	Scratch	97.7500
Gary Allen / Buckner Jungmeister	95.50	0.00	0.00	Scratch	Scratch	95.5000

SPORT SCALE - EXPERT DIVISION 1

Contestant / Model	Static	Round 1	Round 2	Round 3	Round 4	Total
Mike Barbee / T-34C	97.75	93.25	93.75	95.25	99.75	195.2500
William Zimmerman / P 47	94.75	86.25	84.25	84.50	87.00	181.3750
Ben Kramer / P-47	93.50	88.00	84.75	76.50		179.8750
Al Kretz / Spitfire	99.15	76.00	0.00	0.00	0.00	137.1500

SPORT SCALE - EXPERT DIVISION 2

Contestant / Model	Static	Round 1	Round 2	Round 3	Round 4	Total
Art Shelton / Nieuport 11	96.75	89.50	89.25	93.75	93.50	190.3750
Steve Eagle / Nieuport 17	98.50	85.75	91.25	85.25	85.25	187.0000
Gary Parenti / Beta Minor	96.00	85.50	88.50	89.75	82.00	185.1250

SPORT SCALE SPORTSMAN

Contestant / Model	Static	Round 1	Round 2	Round 3	Round 4	Total
Mike Wartman / Fokker Eindecker	75.0	90.75	86.00	85.75	91.75	166.2500

TEAM SCALE

Contestant / Model	Static	Round 1	Round 2	Round 3	Round 4	Total
Dale Arvin (B) Jeremy Arvin (P) SNJ-5	98.25	91.25	94.50	96.00	97.00	194.7500
Dorin Luck (P) Gary Allen (B) Clipped Wing Cub	99.50	83.00	88.00	92.50	90.00	190.7500
Cliff Wepf (B) John Stuart (P) Jungmeister	87.50	82.25	82.00	90.25	89.50	177.3750

FUN SCALE - NOVICE

Contestant / Model	Static	Round 1	Round 2	Round 3	Round 4	Total
Jim Schroder / Cessna 150	5.0	86.50	82.25	81.75	85.75	91.1250
Harold Shockey / J-3 Cub	5.0	79.50	23.00	5.00	0.00	56.2500
Doug Blakeman	5.0	73.25	0.00	Scratch	Scratch	41.6250
Robert Hovin / FW-190	0.0	0.00	0.00	Scratch	Scratch	0.0000
Joe Fanelli / Corsair	0.0	0.00	0.00	Scratch	Scratch	0.0000

FUN SCALE - ADVANCED

Contestant / Model	Static	Round 1	Round 2	Round 3	Round 4	Total
Mike Barbee / Piper Cub	5.0	93.75	90.00	91.75	98.75	101.2500
Andrew Pound / B-25	5.0	90.25	92.50	92.50	99.00	100.7500
Jeremy Arvin / B-25	5.0	72.50	Scratch	93.25	94.50	98.8750
Tom Czikk / Corsair	5.0	89.00	90.25	92.00	91.50	96.7500
Bill Brucken / Curtis JN4-D	5.0	79.50	82.25	92.00	90.75	96.3750
Jeffrey Pike / Twin Otter	5.0	79.25	91.75	91.00	86.25	96.3750
Doug Miller / P-47	5.0	88.00	86.25	93.00	89.25	96.1250
Ron Pound / PT-17 Stearman	5.0	88.00	82.75	84.75	94.25	96.1250
Randy Zimmerman / Beast	5.0	85.00	87.25	85.00	94.75	96.0000
Earl Dever Jr. / P-47	5.0	86.75	88.75	87.75	92.50	95.6250
Ben Kramer / L-4 Grass Hopper	5.0	91.25	85.75	89.75	89.75	95.5000
Trey Pound / Waco YMF5	5.0	81.00	81.50	91.50	88.25	94.8750
Dale Drew / Morrissey Bravo	5.0	86.00	86.25	Scratch	93.25	94.7500
Steve Eagle / PT-19	5.0	82.50	90.50	88.00	84.50	94.2500
John Hunsaker / Texan 2	5.0	82.00	88.75	89.00	66.25	93.8750
Al Tucker / Cessna 182	5.0	85.00	89.50	84.75	85.75	92.6250
Matt Hanson	5.0	72.00	76.25	80.00	94.25	92.1250
Earl Dever Sr. / Porter P/C 6 Turbo	5.0	85.25	86.25	86.25	87.00	91.6250
Dale Arvin / P-51	5.0	82.00	88.25	85.00	81.75	91.6250
Stan Alexander / F6F Hellcat	5.0	78.50	86.75	85.75	0	91.2500
Ed Bowlin / AT-6	5.0	71.75	86.75	84.00	81.75	90.3750
Ron Hemphill / Cessna 150 Aerobat	5.0	82.50	86.25	77.75	76.25	89.3750
Curtis Adams / P-47	5.0	85.75	81.50	0	0	88.6250
Ed Terry / Chipmunk	5.0	80.00	87.00	Scratch	Scratch	88.5000

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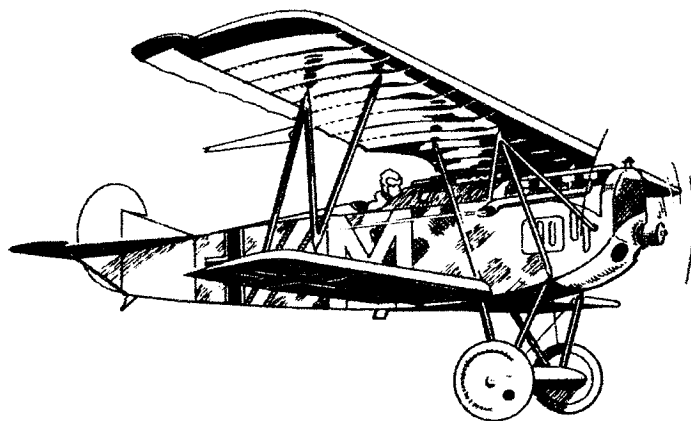
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FUN SCALE - ADVANCED CONTINUED

Contestant / Model	Static	Round 1	Round 2	Round 3	Round 4	Total
Rob Geiser / Extra 300	5.0	83.50	83.25	81.75	78.75	88.3750
Duwayne Lindsey / T-28	5.0	82.75	82.00	Scratch	Scratch	87.3750
Michael Hunt / Decathlon	5.0	76.75	82.75	Scratch	Scratch	84.7500
Charles Gray	5.0	24.25	0.00	Scratch	Scratch	17.1250
Michael Smith / Bristol F2B	5.0	0.0	0.00	Scratch	Scratch	5.0000

FUN SCALE - AEROBATICS

Contestant / Model	Static	Round 1	Round 2	Round 3	Round 4	Total
Michael Hunt / Sbach	5.0	87.25	89.75	96.00	93.50	99.7500
Jeremy Arvin / Extra 330	5.0	88.75	93.50	94.50	94.25	99.3750
Earl Dever Jr. / Clipped Wing Cub	5.0	87.50	90.75	69.75	91.50	96.1250
Dorin Luck / Yak 54	5.0	83.50	87.50	91.25	87.00	94.3750
Dale Arvin / Yak 54	5.0	78.00	89.50	87.00	84.50	93.2500
Rob Geiser / Cap 232	5.0	82.50	82.00	80.75	79.00	87.2500

12 Inches to the Foot

Well I'm going to get off my main subject this month and talk about radio systems for a bit. Like many of you I have several different systems including JR, Hitec, Futaba and Spektrum. Several are older 72MHz systems and a few of the newer 2.4 systems.

I really like and enjoy the new Futaba 2.4 7-channel FFAST system I have, as it was easy to program in one evening and have everything ready to go for the next day of flying with a new airplane. The scale ARF being assembled, has flaps and it was pretty easy to set-up.

But with most of my radios I usually like to tighten up the springs on the inside that control the sticks and the tension on them. On my Spektrum DX6i you could pretty much treat the sticks like rubber bands as they didn't have much tension on them at all. It surprised me that several modelers I know were scared to death to take the back off of their radios. Its not hard guys! Just take all of the screws out of the back and look at the length of the screws and make sure they go back in the same place.

Adjust the tension screws gently and slowly on the sticks till your happy with the amount of tension for the flying you want to do with a small screwdriver. After you've checked all of the tensions, carefully replace the back of the transmitter and then replace the screws. It could seem like a totally new transmitter. Also on this radio and the DX8, there is no ratchet on the throttle. Not cool!

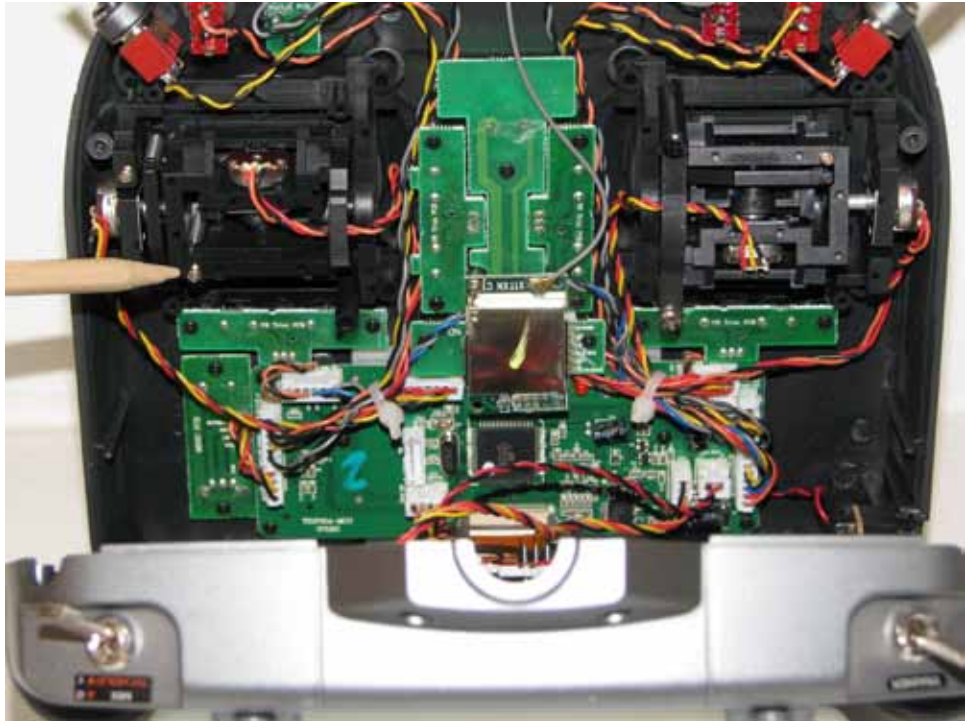


Photo showing the back inside of the transmitter where you tighten the control springs for the sticks.

In the DX6i there are 4 replaceable/rechargeable AA batteries in the battery compartment. Now I've had this radio for 3-4 years now and never had a problem at all with it's performance. Turned the radio on and nothing! Nothing at all. Shook it a bit and it came on for about 15 seconds, then went off again. Hmmm? What to do. Thought about sending it in for service but then I got to thinking, the back cover has come loose a few times and wondered if that had anything to do with it. So took the back cover off and the batteries literally fell out, plop on the workbench.

Kept looking at the battery compartment and took a pair of teasers and gently bent the contacts out away from the walls of the battery compartment and replaced the batteries in the correct order. Ta-Da. It worked and the radio has been working ever since. The back cover had started coming off when it wanted to also and just placing a rubber band between the batteries and the cover solved that little problem.

Fair Skies & Tail Winds,

STAN ALEXANDER
onawing4602@att.net

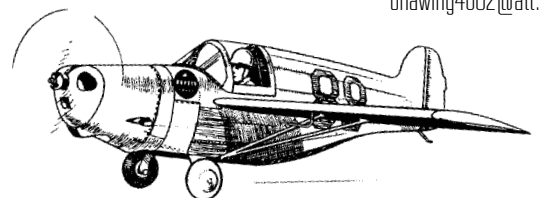
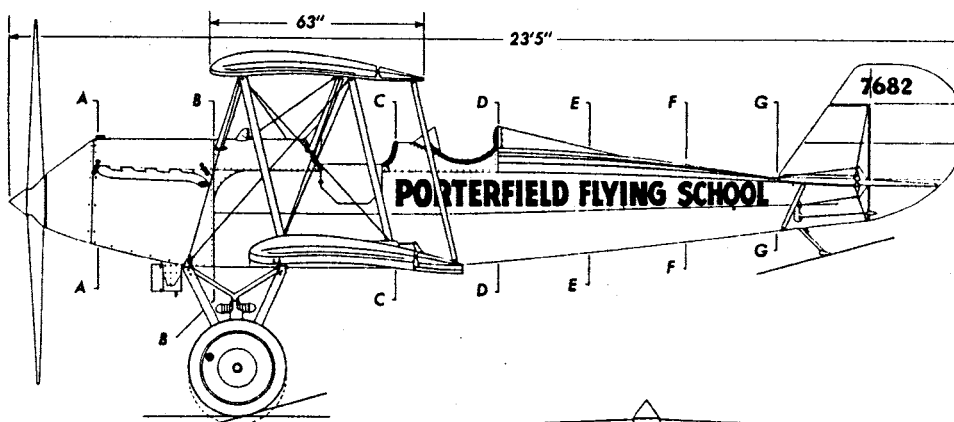
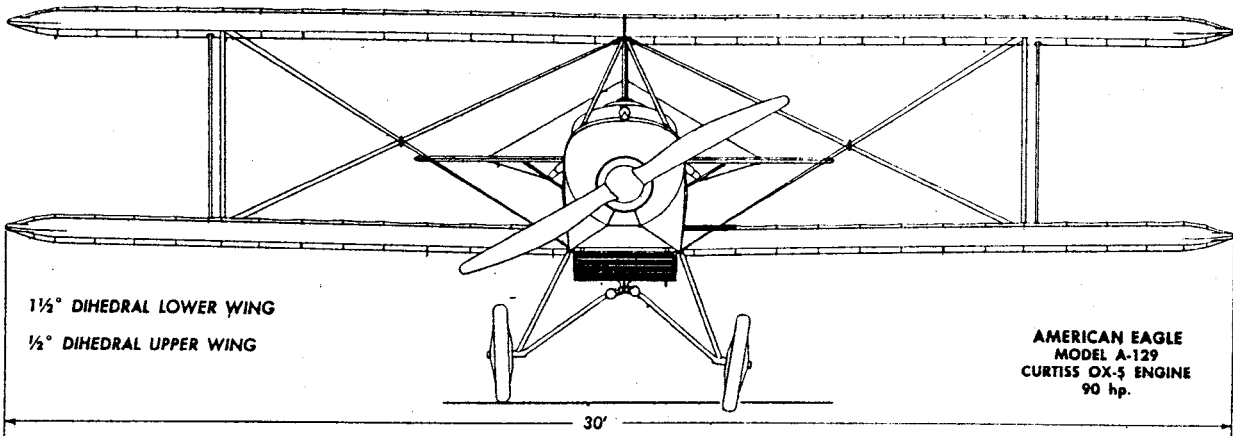


Photo showing the inside of the battery compartment and the connector tabs.

American Eagle A-129 3-view



mfg. by
AMERICAN EAGLE AIRCRAFT CO.
1328 Locust Street
Kansas City, Missouri

Specifications:

SPAN	30 feet
LENGTH OVERALL	23'5"
EMPTY WEIGHT	1385 lbs.
GROSS WEIGHT	2342 lbs.
CREW	ONE
PASSENGERS	TWO

Performance:

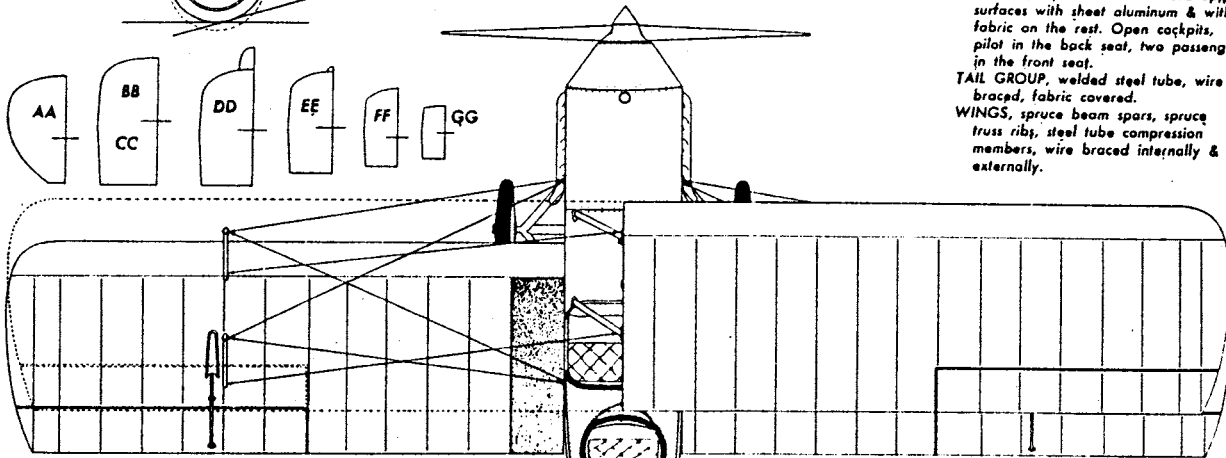
HIGH SPEED	102 mph
CRUISE	92 mph
STALL SPEED	38 mph
RATE OF CLIMB	480 fpm
SERVICE CEILING	10,200 feet
FUEL LOAD	35 gallons

Construction:

FUSELAGE, welded steel tube space frame, covered on the forward upper surfaces with sheet aluminum & with fabric on the rest. Open cockpit, pilot in the back seat, two passengers in the front seat.

TAIL GROUP, welded steel tube, wire braced, fabric covered.

WINGS, spruce beam spars, spruce truss ribs, steel tube compression members, wire braced internally & externally.

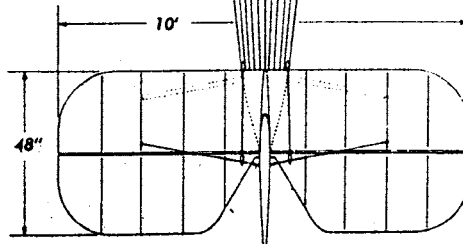


7682

UNDERSIDE OF LOWER LEFT WING

PORTERFIELD FLYING SCHOOL

UNDERSIDE OF LOWER RIGHT WING

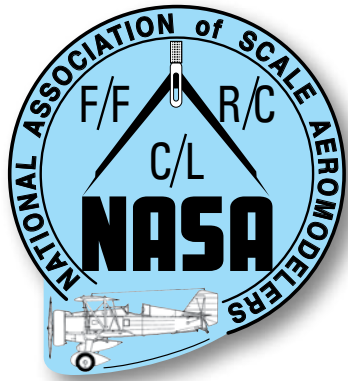


COLOR SCHEME
of this particular A-129

Silver dope & natural aluminum
with black tires & lettering



AMERICAN EAGLE



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- 2012 SCALE NATIONALS • AMERICAN EAGLE A-129 3-VIEW

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