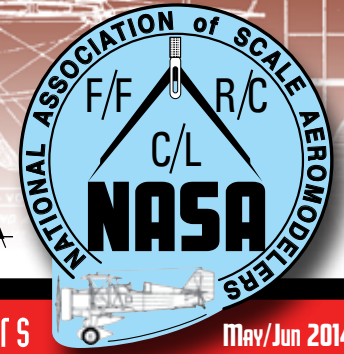


REPLICA



Newsletter of the National Association of Scale Aeromodelers

May/June 2014

PRESIDENT'S NOTES

Hi everyone the summer flying has begun. I attended my second contest last weekend and it was the first scale endeavor for the host club. The Miami Valley club did a fantastic job, even with a rainy start to Saturday's competition. We used contestant judging and all went very well. Many of the contestants that judged commented that the experience helped in giving them a better prospective of the way the maneuvers should be flown. We are now in the process of assigning a number to associate with downgrading a poorly flown maneuver. These will be put into a judges guide and available for all those interested in learning more about judging and how they will be judged in competition. My good friend John Boyko is heading up the committee. If you've got an idea, or if you would like to help John, contact him by e-mail.



I am looking forward to June and more contests. The Mint Julep will be held June 13-15 in Rosewood Indiana at the ORVRC field. This venue is a wonderful site.

The next event will be the AMA Scale Nationals at Muncie. This is always well attended and offers an opportunity to see our national flying site and museum. The NATs will be July 11-13. Remember to pre-register and check in by noon on Friday.

We have the Hoosier Scale Classic August 1-3. This is another new scale event so let's support Steve Ort and his club.

My event will be the 2nd annual Columbus Scale Classic , August 16-17. This is National Model Aviation Day. We will also donate part of the proceeds to the Wounded Warrior Project as we did last year.

All these great scale events lead up to the NASA Scale Classic , October 3-5 at the AMA site in Muncie. Don't forget this event - it would be an excellent opportunity for you to volunteer your help. Invitations have been going out since Top Gun and will continue to be sent to the top 25% in each class. Good luck this season and keep safe.

Don't forget your raffle tickets. The P-47 will be a great plane to win and compete with.

Thanks for your continued support of Scale Modeling

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FLICKR ACCOUNT UPDATE

Share your current project with the rest of NASA. Gather your photos and a couple notes on the model - then send them to me - mark@airbornemedia.com and I'll get those posted in their own set.

To see all of NASA's photo collection, including pictures from the recent Horizon Indoor event, please the links below.

- Coverage of the Miami Valley Scale Classic - click here.
- The build of the 2014 NASA P-47 raffle plane - click here.
- Dan Gaston's Aichi Val - click here.
- Individual NASA photo sets - click here.



It's happening! As you read this, we have 35 pilots who have already earned invitations to the NSC with their placements at Top Gun and the MVSC, and 4 have pre-registered. I would ask all of you who have received invitations to pre-register online, using the instructions included in your invite.



How do you earn your invite? It's just this simple.

- **Go out and compete in a NASA Open Event**
- **Place in the top 25% in your class.** *If you don't place in the top 25%, compete in another NASA Open.*
- **In R/C, if you fly fun-scale, you're already invited!** Pre-register today at <http://www.nasascale.org/forms/nsc-reg.htm>
- **In C/L, if you fly 1/2a scale, you're already invited!** Pre-register today at <http://www.nasascale.org/forms/nsc-reg.htm>

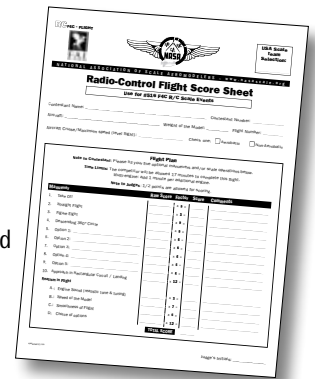
And don't forget about our unofficial themed event - this year we're honoring the memory of the start of World War 1, with our WW1 events - Everyone can enter with a properly themed model. Pre-register today at <http://www.nasascale.org/forms/nsc-reg.htm>

Oh, and one more thing. Not only will we be competing for top placements in all classes, but we will also be competing for a wide range of prizes and merchandise. I've put out the word and the industry has shown their overwhelming support!

MARK LANTERMAN
mark@airbornemedia.com

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 aeromodelling - 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!

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I M A A

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Earn your entry to the most exciting scale contest of the year.

Whether you compete in control-line or radio-control, enter in one NASA's Open events and you have a chance at earning your place to compete among scale's finest!



AMA Sanction
#1278



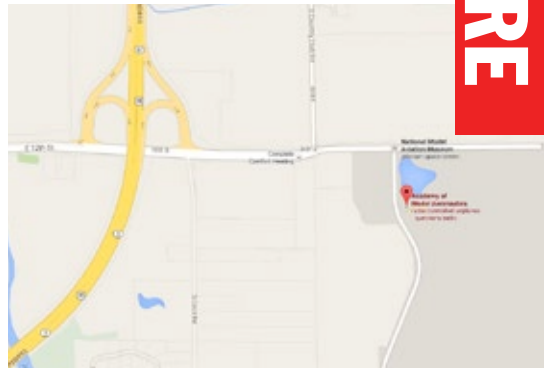
**October
3-5, 2014**

WHEN

AMA Site

**5161 E. Memorial Dr.
Muncie, Indiana 47302**

WHERE



WHAT

What is the NASA Scale Classic?

- A competition for Control-line and Radio-Control.
- AMA/NASA Rules.
- Entry fee is \$20 for NASA members, \$40 for non NASA members (with an instant NASA membership).
- Awards will be given for 1st, 2nd, 3rd, NASA Flight Achievement, and Pilot's Choice.

CONTROL-LINE EVENTS

EARNED INVITATION ONLY:

- #509 Sport
- #521 Profile
- #526 Fun

OPEN ENTRY TO EVERYONE:

- 1/2a Scale
(a non-official AMA event)

RADIO-CONTROL EVENTS

EARNED INVITATION ONLY:

- #511 Sportsman
- #512 Expert
- #522 Team
- #515 Designer

OPEN ENTRY TO EVERYONE:

- #520 Fun Scale Open
- #520N Fun Scale Novice

HOW

How do you earn an invitation?

- Compete in a supporting NASA Open contest and place in the top 25%.
- Invitations will also be earned by winning the NASA Flight Achievement award and/or the High Total Flight Score in any supporting NASA Open contest.
- But what if you didn't earn an invitation? Come and compete in 1/2a Scale (control-line) or Fun-Scale (radio-control) events as they are open to everyone.

**For complete up-to-date
information, including a
complete list of NASA
Open events, visit the
NASA website**

www.nasascale.org

FLYING AT NATIONALS – NOT YOUR AVERAGE CONTEST

Scoring at the NATs is different than your local contest

Most control-line scale contests held where the static judging and flying are done all in one day. I like these types of contests because you can arrive, unpack everything and at the end of the day you are done. You get 3 attempts for two official flights. CL scale rules are written so that if you only fly 2 flights then you can take the best flight score and add that to the static score. In this case you only need one good flight to and you are set.

However the Nationals is different in that they fly both Saturday and Sunday. This means you get 4 flights total that get scored. In this case the Event Director will take the best two flight scores and average them, then add that to your static score. You need two great flight scores to have do well in the standings. Pilots who have a lower static score than you with a great average flight score can actually beat you if your average flight score low enough.

For the local contest that flies one day the static score is very important as long as you get a great flight score. When you fly two days like at the Nationals the static score is not as important because a lower average flight score can easily pull down the overall total score. At the NATs the flight score plays a more important role than at the local one day contests.

What to expect when you fly at the NATs

At the local contest you can show and register the same day, but at the NATs you have to preregister for the event you want to fly. You also need to pick up your registration package the day before Static judging at the AMA headquarters to get our badge and other information. They will have maps and information that you want to read before you go to the static judging. This is also a good time to go thru the AMA museum if you haven't already seen it. Because the NATs is held over 3 days be prepared for the long days.

Day 1 at the NATs is all about Static judging and is usually done by early afternoon. That is the day to talk with folks you haven't seen in a while and just take it easy. Assemble the model with the static props and get the model judged. You won't find out how you did on the Static judging until you put in your first flight on day 2. In 2013 we were done in the early afternoon so we headed back to the hotel to charge batteries and get some final things together. Later that night on Friday we had a pilots meeting at the Hotel so that our Event Director could go over procedures and answer any questions. Make sure you attend this meeting, there is important information presented at the Friday night meeting.

Day 2 is where everyone showed up by 7 am because they were getting the first model up and flying by 8 am. The flight schedule is announced so you need to pay attention to when you need to be ready. I like to figure out who is flying before me so I keep an eye out for that flight. There are also 2 circles. You fly the first flight in one circle with one pair of judges, then your 2nd flight is flown in the other circle with a different pair of judges. If you are 1st on the flight order then you fly first in the morning, then the order is reversed after lunch so you fly last in the afternoon.

Day 3 is run the same as day 2 except you start to see who is leading in

the point standings. If you improve your flight scores on day 3 then you can raise your average flight score and maybe improve your standings. You can mess up 1 or 2 flights but you need two really good flights to get a good average flight score to do well.

Remember the NATs is a qualifier for the NASA Scale Classic for CL Sport, Profile and Fun scale. The top 25% of each category will get an invite to the Scale Classic in Oct.

Getting ready for the NATs

One of the things I like to do a week before I drive to the NATs is go to the local flying field and run thru the flight portion of the contest to make sure everything works. I run the motors and put in a complete contest flight. All of that equipment gets packed into the car for the drive to Muncie.

One common option is throttle control, to get full points for this you need to be able to bring the model to a full stop with the engine at idle and shut down the engine from the handle. Take note of anything that does not work properly and fix it right away. Also consider putting in a new glow plug and remember to charge all of your batteries.

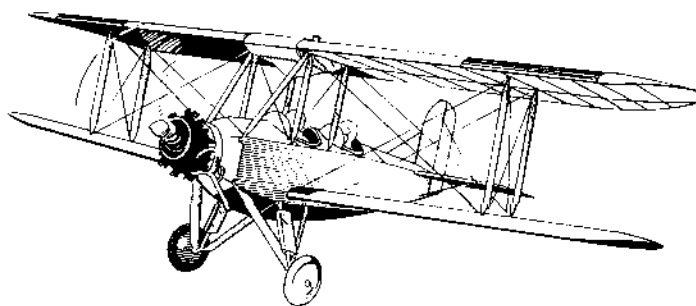
Make sure you have everything you need including the static

documentation and the Static prop(s) ready to go. You can also save yourself a lot of time by filling out the score sheets ahead of time. Go to www.nasascale.org and download the intelligent score sheets and fill them out with your computer and print them out. You will need at least 8 copies of the flight score sheet and 3 of the Static score sheets for each model. Bring extra just in case the number of judges changes.

I had a great time last year at the 2013 Nationals but the three days gets long so

bring your chair, sun block, lots of water and good hat. On Saturday night there will be the banquet that is worth going to that NASA will be putting on. The AMA will determine how many trophies it needs based upon the number of entries on June 1st, so send the entry form in early so they can get a good head count for the trophies.

FRED CRONENWETT
clscale@rocketmail.com



12 INCHES TO THE FOOT

Well there is a lot changing in Scale Aeromodeling in the last several years. I recently worked at the Top Gun Invitational or as Frank put it the "Top Gun from Hell". It rained a lot, and I do mean a lot!

Sunday was pretty and our President donned his beard and rubber boots, gee we all had rubber boots on at one point or another. But it was all good fun. Frank has had good weather for 25 years and this year just made up for all the good years I guess.

There is a new runway there, for Top Gun and other events both paved and grass. It's a great site with your back to the sun all day, the wind is just crazy in Florida and you can never tell which way it's coming from till you get to the field.

There were two teams there from Japan this year and one team from Japan won the Pro Am Sport class with a 1/3rd scale Japanese Model 0 Zero fighter, powered by a Moki 250 radial. In fact there were two of these models there and they both flew great! I hope to have more on these models and the contestants in the near future.

By the way those Zeros were built with good old Balsa, Plywood and covered with tissue. Wow, talk about Craftsmanship! Fantastic.

The 100th Year Commemorative WWI scale Event at the NASA Scale Classic will be held this year and it's a come one, come all event designed to be fun for everyone. No Figure 8 to be flown unless you just wish for punishment in front of the judges and about 7 simple maneuvers for all rounds. We're even throwing in a Reverse Chandelle for this event, as in WWI that would have been an aggressive fighter maneuver for most WWI fighters. You have to remember that making a dive in WWI in many "fighters" was truly a death defying trick, provided you pulled it off!

This year marks the 100th Anniversary of the beginning of WWI so at the end we'll make a toast and hope it never happens again! Many photos will be taken, and I hope we all remember the event as it will change next year to another themed event held at the NASA Scale Classic. No news yet as to what that might be.

That worthless left thumb syndrome- it seems we all have. Do you use the rudder on your model? Well try it sometime! You might be surprised it really works on models, especially on the ground. I can't tell you how many flights we observed, judged at Top Gun where the pilot never touched the left stick after he made the first throttle setting! I mean never! The poor 1/3 scale model in one case, looked like a dog dragging it's butt in the grass on every turn. Ok I'll get off the soap box now. But try the rudder sometime!

The 2016 Scale World Championships has been announced at the annual spring meeting for FAI. The next championships will be held in Romania in late July or August. That's about all we've been told for now but I'm sure by December this year we'll hear more about the details. Before that I don't expect anything else.

I do hope everyone does realize we now have a Sport Scale Class in FAI called F4H class. Most of our Sport Scale models would be competitive in this class. Who knows maybe we can have a team qualifier next year or a series for that championships!

Fair Skies & Tail Winds,
STAN ALEXANDER
onawing4602@att.net

MV SCALE CLASSIC

There are exciting things going on in the world of scale competition. Several new events are on the schedule this season in both control-line and radio-control scale. This is an indication that there is new interest, energy and growth for scale competition!

The Miami Valley Scale Classic in Dayton Ohio, was held May 16-18, and was hosted by the Miami Valley Radio Control Club. In spite of the rainy forecast, there were 20 pilots who came out to brave the weather and cold to put on a good contest for the club and spectators. Of the 20 pilots who competed, for 11 of them this was their first or second contest, and 5 of them were club members. We even had IMAC/pattern pilots competing in the contest. To have that many new pilots attending the contest is very exciting! As Mike said in his President's column, we used contestant judging, pairing pilots with experienced judges. We got a lot of good feed back from the contestants that judging gave them a better prospective to what a maneuver is supposed to look like. The event was largely made up of the Fun Scale classes with 4 pilots in the Expert and Designer classes. Although we had a lot of Fun Scale guys flying, there were several that did not get their "Static Class" airplanes completed and test flown. Everyone, including the club members had a great time and several of the club members who didn't fly this year are planning to either fly this year, at a later event, or next season.

Two things that came out of the event were ongoing questions about judging. Specifically how much to down grade a mistake. The second is how to get more exposure for NASA and scale competition. Getting more exposure for NASA is not as hard as some would think. Social media is here and it is here to stay, and ALL of us use it in some form or another. As much as some of us shy away from it, I personally know of several new NASA members that found out about us through my activity on Facebook. Realizing this NASA now has a Facebook group page. Go to your Facebook search engine and type in NASA Scale and it should get you to our group. Ask to be a part of it and one of us will "approve" you. With the power of social media, this is a great place for us to showcase what we are building, post events and continue to grow interest in NASA and scale competition. I want to encourage everyone including our control-line, and free-flight brethren to become a part of the page and the growing interest in scale.

The feed back on how to specifically down grade a mistake should be looked at for several reasons. The biggest reason is that the pilots who have actually read the AMA rules are asking the questions. Now before everyone gets into an uproar, our rules (the AMA rules) have some very good, simple, and clear things to look for when judging a maneuver. What is not there, is a quantitative way or amount to assign a deduction. As an example, what is a 1 point or a 1/2, or 1/4 point deduction. In IMAC they begin with a 1 point deduction per 10 degrees for heading and wing "level" errors. I think we can take the already established "downgrades" that are in the rules and add a point value to them. This would provide a judge a concrete way to judge a maneuver, as well as help pilots understand how mistakes would impact a score. I believe it will also provide greater consistency in judging and validity to those who are looking to get involved with scale competition. I would greatly appreciate any ideas as well as help in improving the R/C scale judging guide. You don't have to be a veteran competitor to help out. In fact, having the perspective of judges, beginner and veteran competitors would provide us with a balanced perspective. As the guidelines get developed, we would test them within contests (NOT AS A PART OF CURRENT SCORING) before implementing them to the membership. Please email me at sir-smoothie@earthlink.net if you have ideas, suggestions or want to be a part of the committee.

Thanks for your attention and help to make NASA better organization.

JOHN BOYKO
sir-smoothie@earthlink.net

NASA AIRPLANE RAFFLE

To raise funds to help with the expense of the Scale Nationals operations, we are selling raffle tickets to a brand new, fully completed, Robart P-47-D ARF.

Once again, Dick Petit has donated his time and skill to assemble this fantastic scale airplane for us. Dick was also instrumental in getting several other companies to donate items needed to complete the process.

The model is completely finished, test run, and test flown. It is eligible to enter in Fun-Scale competitions with the appropriate photo and any giant scale fun-flies (IMAA).

Tickets are \$5.00 each, 3 for \$10.00 or 7 for \$20.00 and can be purchased through the NASA website using PayPal. We can also send any number of tickets to those willing to sell them. The drawing will be held Saturday night at the Scale Banquet at the 2014 Scale Nationals.

Please everyone, help sell tickets and support NASA in our quest to make the Scale Nationals better than ever.



CLICK HERE TO BUY YOUR RAFFLE TICKETS

To see the raffle P-47's build, visit NASA's Flickr site by clicking the Flickr logo.



SCALE EVENT CALENDAR

Click on any event name for more information. NASA Scale Open events are noted in blue boxes.

TOP GUN

April 30-May 4, 2014 – Lakeland, FL

EAA AIRVENTURE

July 28 - August 3, 2014 – Oshkosh, WI

COLUMBUS SCALE CLASSIC

August 16-17, 2014 – Westerville, OH

MIAMI VALLEY SCALE CLASSIC

May 16-18, 2014 – Lebanon, OH

HOOSIER SCALE CLASSIC

August 2-3, 2014 – Seymour, IN

SOUTHERN ONTARIO CONTROL LINE CHAMPIONSHIPS

August 23, 2014 – Dresden, Ontario, Canada

TORONTO & DISTRICT CONTROL LINE CHAMPIONSHIPS

May 31-June 1, 2014 – Etobicoke Centennial Park, Canada

KNIGHT'S JOUST

August 9-10, 2014 – Southern California

FCM AT AMA

August 23-24, 2014 – Muncie, IN

BRODAK FLY-IN

June 10-14, 2014 – Carmichaels, PA

WEST OHIO C/L STUNT AND SCALE CONTEST

August 9-10, 2014 – Dayton, Ohio

BROKEN ARROW

September 20-21, 2014 – Valley Park, MO

MINT JULEP

June 13-15, 2014 – Rosewood, IN

HOOSIER DAWN PATROL

August 15-17, 2014 – Muncie, IN

NASA SCALE CLASSIC

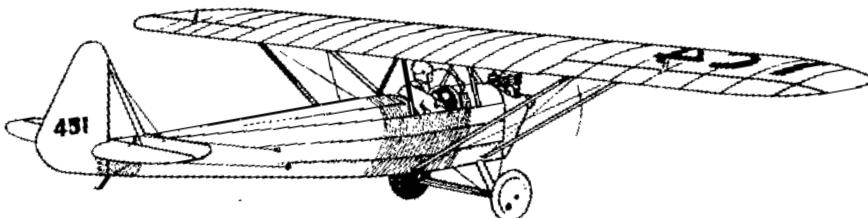
October 3-5 – Muncie, IN

AMA NATIONAL SCALE CHAMPIONSHIPS

July 11-13, 2014 – Muncie, IN

WENATCHEE SCALE RALLY AND NW SCALE CHAMPIONSHIPS

August 15-17, 2014 – Wenatchee, WA



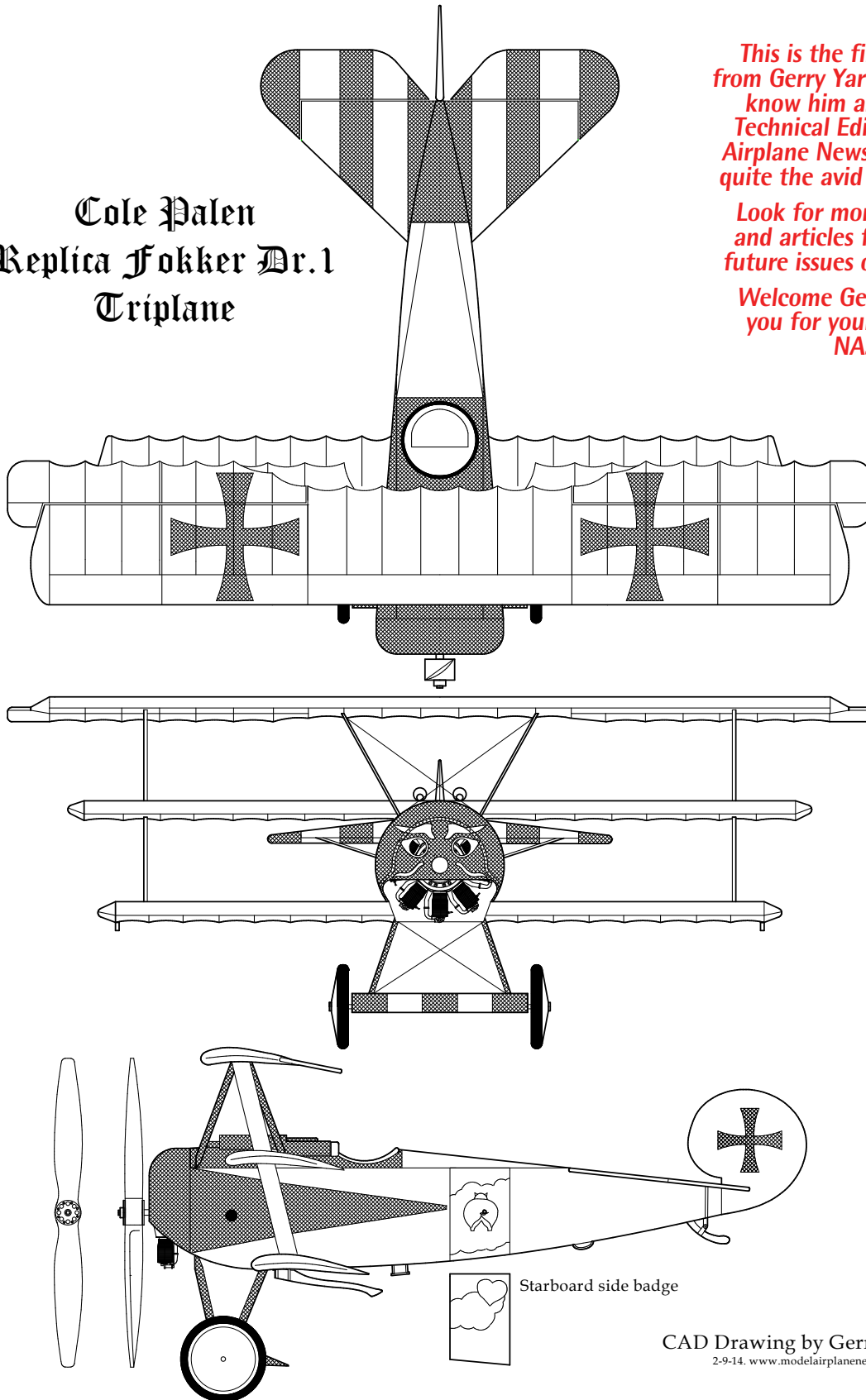
FOKKER DR.1 TRIPLANE 3-VIEW

Cole Palen
Replica Fokker Dr.1
Triplane

This is the first submission from Gerry Yarrish. You might know him as the Senior Technical Editor of Model Airplane News, but he's also quite the avid scale modeler.

Look for more tips, photos, and articles from Gerry in future issues of the Replica.

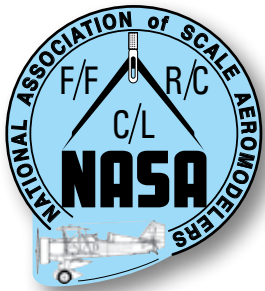
Welcome Gerry, and thank you for your support of NASA!



Starboard side badge

CAD Drawing by Gerry Yarrish
2-9-14. www.modelairplanenews.com

*For more information and documentation on this Old Rhinbeck Aerodrome triplane, visit this link:
<http://www.modelairplanenews.com/blog/2014/02/10/scale-docs-for-the-ora-triplane/>*



IN THIS ISSUE:

- **MVSC REPORT • CONTESTANT JUDGING**
- **THE LATEST IN SCALE NEWS! • FOKKER DR-1 3-VIEW**

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Tina Patton, Secretary/Treasurer NASA, P.O. Box 824, Burnside, Kentucky 42519

Make checks or money orders payable to: **National Association of Scale Aeromodelers.**

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 - Canada \$25 (1 year/Replica e-mailed)
 - International \$30 (1 year/Replica e-mailed)
 - USA \$25 (1 year/Replica printed copy)
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Area of Interest: Free Flight Control Line Radio Control Giant Sailplane Electric

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