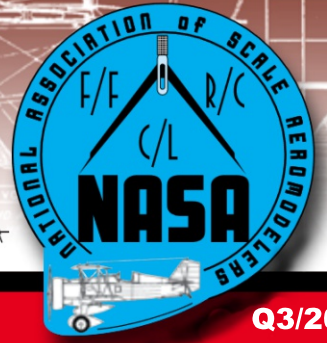


REPLICA



Newsletter of the National Association of Scale Aeromodelers

Q3/2017



Then National Association of Scale Aeromodelers (NASA) is an organization founded to promote all forms of scale aeromodeling competition, is host the Academy of Model Aeronautics (A.M.A.) Scale Nationals and is the A.M.A. Special Interest Group (SIG) for scale aeromodeling in the United States of America.

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Be sure and visit us on the web to learn more about our organization, scale competition, news, tips, or to contact us.

www.nasascale.org

OUR 40TH ANNIVERSARY!

How the National Association of Scale Aeromodelers was formed By Bob Underwood

In 1976 I acted upon what appeared to be interest in forming such a body to represent scale modelers. The concept of a SIG was new to AMA but was gaining strength through several of the disciplines. After contacting several prominent scale modelers such as Claude Mc Collough, Dave Platt, Mike Gretz and others, I was encouraged by them to pursue the possibility.

After contacting the AMA Executive Director, John Worth, I began sending out postcards to as many names as I could locate who appeared interested in the building and flying of scale models; free flight, control line, and radio control. John's help was appreciated, as was his enthusiasm for the project. The early mailings were taken from Nat's registration during the 1976 competition. Fortunately, that event was the largest Nats competition held. That first mailing produced not only a number of individuals interested in the process but yielded a number of other parties to contact.

Armed with roughly 200 contacts, by the first month of 1977 I again contacted John Worth regarding the next step. At his suggestion, I began to produce a very simple newsletter utilizing the duplicating machine in the school where I taught. At the same time, John and I hatched a plan to hold an organizational meeting. It was planned to occur during the 1977 Nats which was held at March Air Force Base in Riverside, California. Dave Platt and I attended a meeting of the California Scale Squadron immediately prior to the event and we posted signs, etc. to urge individuals to attend. Overall, some 75 Nats contestants and club members did just thatand NASA (an unnamed organization at the outset) was born!

There were five officers elected; a President, three Vice Presidents (one for each discipline FF, CL, RC) and a Secretary/Treasurer. Additionally, goals were set for activities, along with plans for scale documentation source guides, working with the AMA Contest Boards and a variety of other items.

Over the 40 years since that 1977 meeting, NASA has undergone a host of peaks and valleys, a condition

Editors Note: This year marks our 40th year as the Special Interest Group (SIG) for scale within the AMA. We threw out some ideas about talking about how NASA was started and maybe write something up concerning this. However, Stan Alexander sent over an email from Bob Underwood (who was NASA's first and third president) where Bob outlines how our organization got started. Below are his words as they appeared in the email and they convey more than anything we could write up. So without further ado....

true of most organizations. Working together with the AMA to produce not only the Nats but two FAI World Championships as well have been most gratifying. One disappointment I can personally point to was the inability to consummate an arrangement I presented to Harris Lee and Scale Masters on behalf of NASA to work out combining their program with NASA's to encourage and improve interest in FAI participation for F4B and C.

Roughly a decade ago I provided copies of some of the documents from the "early days" and they were printed in an issue of the Replica. While they were not earthshaking prose, they do provide some of the early history of NASA. Before preparing this birthday letter I attempted to locate them, but alas my wife Rae and I are preparing to move (and downsize!) and they appear to be floating in some black hole somewhere!

Having served for a number of years as the initial president and once again at a later period, I have watched with interest, not only the association's activities but the trends present in aeromodelling in general. Yes, it is true that there has been change, but then we all need to understand that the only constant is that change is constant!

As we approach the Nats this year, as its first president, may I be among the first to wish NASA a Happy 40th Birthday!!

Cheers!

Bob Underwood
NASA L#1



Model Aviation Cover, November 1977 showing several models at the scale nats.

THE 2017 R/C SCALE NATS



The 2017 R/C Scale Nationals were held in Muncie Indiana June 22-25. I want to thank everyone, both workers and pilots/crew, who braved the weather forecast, and made the event happen!! A HUGE thanks to all of the sponsors that supported this year's contest. The list of sponsors is on the NASA site. This year there were 63 pre-registered airplanes and 54 made it to Muncie!! Those numbers are up from last year and it's the best turnout since 2007!! Again, that goes to everyone working hard to make the contest happen.

Wednesday was set up day, and the grounds crew did another outstanding job getting site 4 looking really, really good! My hats are off to these guys that have made the grass runway a perfect place to fly a scale contest! By the afternoon the early arrivals started looking at the weather and started placing bets if the remnants of tropical storm Cindy. We were feeling the effects of the storm as the winds began to pick up in the afternoon. Thursday the weather was beautiful, but windy! Windy to the point that there were very few practice flights during the day. Many of us hung out and helped competitors get parked and set up. There was a lot of flying done Thursday... pit and campsite flying. There were lots of stories and memories shared in the camping area along with a lot of discussion on Friday's weather.

Friday was the official start of the 2017 Scale Nationals, which always included static judging. When we woke up in the morning.... Well, the weathermen got it right. The rains came, and boy did it rain!! BUT the contest must go on! We improvised and set up the static judging under the HUGE tent that the AMA set up for us. Everyone did an outstanding job working together to get models into the tent, put together, judged and moved back into trailers and cars. Throughout the day there were multiple jokes and comments of turning the contest into a float fly, boat races, and submarine races. Yes, there was that much water out there. Hats off to the judges, workers, and competitors in making a tough situation go amazingly well. Around 3:30, the rain ended the sun came out, and the waters receded to the point the runway was serviceable by 5:00!! In the evening the annual hangar pizza party was held in the

classroom at the AMA Museum. The warm dry environment was a welcome change from the cold and wet everyone endured during the day. After everyone fueled up and dried out many headed back to the site for more flying, camaraderie.



The flightline at the 2017 scale nats.

Saturday dawned cool but sunny with winds basically down the runway. (That rarely ever happens in Muncie!) The start of the first round was pushed back to allow everyone to get in any trim flights needed before the rounds started. With the later start time and having a significant bump in the number of airplanes, we flew rounds 1 and 2 before we had to get cleaned up for the awards banquet. This year we returned to Vera Mae's in downtown Muncie. It is one of those places that doesn't look like much but Dave and the staff there do an admirable job putting dinner together for 70+ people. Mike Barbee, our NASA President talked about the how the organization has grown in recent years, along with a steady up tick in the number of local contests that are

happening in 2017. That is a testament to the members taking ownership in promoting R/C scale and scale competitions! He also talked about the changes in our grant program that provides monies to put on local contests. After Mike, we gave out 11 special awards, which are listed elsewhere in the newsletter. Last year's festivities concluded with the drawing for the NASA raffle plane. This year we are doing the drawing at the end of the season at the NASA Scale Classic. So if you got your tickets in the mail DON'T throw them out!

Sunday was slightly warmer, but not by much. We knew the winds had the potential of really picking up in the afternoon, so after a quick pilots meeting, we got right to the rounds. It always amazes me how much faster the later rounds go. It is in part because of attrition, but also everyone learns which airplane they are following. I was impressed how the Nationals first timers were ready to go and there was little down time between flights. I am also impressed how the scale community helps each other out. There were multiple instances where a competitor needed help fixing a problem with the airplane, and MULTIPLE people stepped up to help. It shows how we as a group are here to compete, but also want to see our brothers and sisters do well. Great job everyone. By mid afternoon the flying was done and awards were presented and the 2017 R/C Scale Nationals were completed, but not over. There were many many good memories made this year along with new and strengthened friendships. To the person, everyone is looking forward to the rest of the season and plan to return next year and bring a buddy to the party!

This year's R/C Scale Nationals were certainly more challenging than last year's. Mostly because of the weather, but because attendance was up! There is little that can be done about the weather. What we learned is that the runway at site 4 can take over 4" of rain, and in few hours be usable for world class scale contest! Having more airplanes is a good problem to have and my hope is that problem continues to grow. There are already plans to improve logistics and to manage more contestants next year! I had several conversations with people who had not been to the Nationals for several years. They were very excited to see both the number of aircraft, but also the quality of the models that were fielded this year. I am committed to seeing the R/C Scale Nationals grow and become the go to event at the end of June. I



Lot's of beautiful models graced the NAT's this year like this awesome DC-3.

challenge us to get 75 airplanes fielded at next year's R/C Scale Nationals. Come on out and see if we exceed that number. Oh and bring a plane to fly!!

See EVERYONE in 2018!

John Boyko

R/C Scale National Contest Director

Here are a few images taken by Suie Hahn from the 2017 NAT's. You can find more online at AMA's Flickr account at <https://www.flickr.com/photos/modelaircraft/albums/72157685615156885> shot by Stan Alexander.



THE 2017 CONTROL LINE SCALE NATS



I just got home from the contro line scale “Nats” at AMA. We had a great group of pilots this year, one from Russia, one just 5 yrs old and one that has been missing from C/L scale for many years. After 6 years as event director that job was turned over to Robert Heywood and what a fine job he did. What fun it was to let someone else do that job and just come and have fun and fly.

The weather was ideal Saturday and most of Sunday. Wind was light with overcast sky. Low 60's to low 80's was the menu for the weekend, it truly was model airplane heaven. This year we witnessed closer scores for the top three places, most every class went into Sunday still in question. High static awards were given out Saturday night at the banquet, those winners were Chuck Snyder, Bob Whitney, Fred Cronenwitt and team Mike McHenry and Allen Goff.

As a pilot in C/L stunt I still have a week left, so with that being said I'm retiring to my lazyboy for a nap then get some practice flights in tonight. Here are some pictures I hurriedly took as I was a competitor this year. You can see more on the AMA web site by going to “Nats News”. Have fun flying, be safe and see you in the circles.

Blessings,
Allen Goff

Here are a few images taken by Allen from the 2017 Control Line NAT's. You can find more online at AMA's Flickr account at <https://www.flickr.com/photos/modelaircraft/albums/72157683488868034>.



12" TO THE FOOT



Well the Scale RC Nationals is over now and we had better attendance by far than last year stationed at site 4 with the grass runway. Sponsors were generous, and I hope many of the contestants will write to them and Thank the sponsors for their support! That isn't happening much these days and we need to re-enforce the appreciation everyone! There have been a lot of contests happening and many now are not receiving much if any sponsorships from companies in the RC business. If you look at the various magazines, advertising has dropped off in most publications. So if you purchase something from one of the advertisers in Model Aviation or Model Airplane News tell them where you saw it, that could help.

The raffle for the NASA airplane this year will be in October as this will help sponsor NASA and help with all the expenses for holding both the Nationals as well as the NASA Scale Classic which happens October 6th through the 8th. Contact a NASA officer if you would like tickets to buy and or sell.

Wow if you were at Top Gun this year you saw Dave Platt smoke the field of FF scale models in the mass launch on Saturday morning with a Found 100 rubber powered model. His model was definitely trimmed and wound to the correct number of turns for a long flight, we were beginning to wonder if it was ever going to come down! Who will have that model next year (the winner)?

The NASA Scale Classic as I stated will be on October 6th-8th this is for both CL and RC scale models and competitors. The Fun Scale events are open to everyone and the other classes you have to qualify in the top 1/3rd of the field as I remember. Weather can be as we would say changeable at that time of year so remember! Also the NASA Special event this year will, be for WWII to current day Warbirds. So that could include everything from a PT-17 in military colors to an F-18 Super Hornet- so you get the idea. Next year to celebrate the end of WWI 100 years ago, we will probably go back to WWI airplanes, just a thought guys and gals.

Think of those new projects now and start planning your next build. I know as well as anyone that life can get in the way but planning and then playing in the shop every week will show positive results!

Fair Skies & Tail Winds,
Stan Alexander

YOUR OPINION

Editors note: "Your Opinion" is a new column for NASA members to voice their thoughts and suggestions about the direction of the hobby and our organization. All of the information in this column are members opinions and not that of the organization. If you would like to voice your opinion or have a rebuttle to a published opinion please email it to me at replica@nasascale.org.

Fly or Not to Fly by Jeffrey Pike

We all enjoy watching our models fly whether we built them or not, however in the anticipation of more advanced radios and built in gadgets, I suggest that we stop flying our scale RC airplanes in competition. Rather, we should just static our airplanes and give a bonus 5 points to all the entries that actually fly. This would make the "playing field" level for all competitors regardless of how much fly by program equipment is installed in each airplane. A model without gyro flight correction or GPS tracking and flight programming would be disadvantaged in their flight scoring. We did the same in Fun Scale when we abolished the "builder of model rule" so that ARFs would not be disadvantaged by a static score. As we implement this new rule change we might as well abolish the Fun Scale as all contestants would score a perfect 10 upon showing a picture of a similar airplane just before having our flight systems successfully fly our models. Alternatively we could just convert our competitions into "fly-ins" and let our computers fly our planes while we have refreshments and enjoy the fellowship. Then we could enjoy what we really like to do, watch the models fly! However if it is truly competition that we seek maybe there is a better plan.

I suggest to level the “flying sky” electronic flight correction or programming should be outlawed or at the very least penalized. We have modified the builder of model rules to accommodate more entries into scale competition but the flying of your model either by you or your teammate was still a factor in determining the score. Using electronic correction or guidance undermines the flying competition and will eventually make null the flying portion of our competitive sport. I have heard users of gyro flight assist say that they have and can win without the gyros, thus I challenge them to stop using them. I witnessed a model flown by a team pilot fly a horrible first round and then fly near perfect subsequent rounds to discover later that the improvement was due to a gain adjust on the gyros.

We take pride in our ability to research, build and finish our models on our own without help, we should also take pride in our ability to fly the model on our own without help. The rule states that if anyone touches our radio during a flight round, that round is disqualified. Why should electronic flight assist not be a cause for disqualification as well or at least a scoring penalty. Maybe a two point penalty for every maneuver in which flight assist was used. In this way if you point the airplane in the correct directions, call the maneuver correctly you will get at maximum eight points. This seems fair since all of the bumps and turns that normally would cause most of the downgrades are being eliminated by the gyros rather than the pilot. Will this help our sport of competitive scale modeling?

Our sport should be about how well we fly our airplane without electronic systems that handicap the models that do not have them. Our sport should be about how much effort we give to our skill set rather than about how much equipment we install in our planes. Let's fly our planes rather than just watch them fly.

FROM THE PRESIDENT



Hello NASA members and interested scale modelers. The months since our last newsletter have been full of new scale contests and old ones attracting more competitors. I consider the start of the season to be Top Gun. It is a premier invitational scale event. This year Frank Tiano assembled the most pilots in the 29-year history of Top Gun. NASA had the distinction of providing the Bob Larette Flight Achievement Award at this event. The winner was David Shulman flying in the Unlimited Class with his large T-34. The U.S. scale Nationals also had a large number of pilots. I can attribute this to two factors. First the very capable work of the C.D. John Boyko and secondly the excellent flying site #4 at the AMA Muncie IN. The weather was brutal on Friday with almost 4 inches of rain. At one point, it looked as though we may have to move to site 3 and the hard surface. The next morning brought light winds and sun to dry the runway and flying was started on site 4. This in part is a tribute to the AMA grounds crew and their fine preparation of the site. You can experience this fine facility by attending the NASA Classic Scale event October 6-7-8 at site 4.

Our Scale contest support is continuing to spoon new events around the country. Our latest is a contest in Alaska. Are you ready to travel there next year for the scale classic? Remember there are certain requirements that your club must fulfill and they will receive 500 bucks to help promote and run the event.

I hope all of you have received your raffle tickets. This year's prize is quite a plane. All the money raised goes to funding the National events and our scale contest funding. Please sell them or purchase them yourself. The date for the drawing is incorrect. It will be Saturday, October 7 at the NASA Classic banquet. My mistake on this one so don't worry just tell your buddies that purchased tickets hold their breath till October.

There are a couple of events in August, the Columbus Scale Classic is October 19-20. Come to Columbus and enjoy scale competition, also the Saturday night party at the monster hanger it's FREE. Remember NASA supports and encourages scale competition. Bring someone new and help them find out how much fun scale modeling really is. Join us.

Turning Final,
Mike Barbee, NASA President

VICE PRESIDENT



The contest season is well underway and we are starting to have results coming in for the NASA Scale Classic. This year the NASA Scale Classic will be held at the AMA national headquarters on Oct 5, 6, 7. Invitations will be going out in the next few days.

To be invited you must compete in a qualifying event and have a final score that is 90% or better of the event winners score. As an example, if the winners score is 185 you must have a score of $185 \times 90\% = 166.5$ or more. Anyone that competed in the 2016 NSC will be automatically invited to the class they flew last year.

If you are a CD of any of the NSC qualifiers please get your final scores along with address and or e-mail address to me as soon as possible.

I look forward to seeing you at the 2017 NSC.

Dale Arvin, Vice President

SECRETARY / TREASURER



No Column Was Received from Jeffrey Pike this quarter.

WEB EDITOR



A few reminders for CD's and event planners. R/C and C/L Event information and Photos are only available if the CD or someone affiliated with the contest provides the information. It would be nice for each contest to provide a short writeup with the results and a couple of photos. This is helpful for those who are unable to attend to see how the show ended up.

An excellent example from is the Red Stick Classic <http://www.nasascale.org/p2/red-stick-classic-2017-results/>. A NASA News entry is created for the contest information which shows up on the main page and then a click will take you to a writeup with pictures of the event. It would be great if each contest would provide information like this for the membership to keep up on events.

We are now into Q3. As you are reviewing your plans for contests for next year, make sure to include me on the relevant details (dates, contact information, flyer if available, etc.). I will make sure that they are on the calendar of events for next year for people as they start to outline their 2018 vacation plans.

If you have suggestions on ways to improve the content, please contact me at web@nasascale.org

Best Regards,
Bob Houin, Web Editor

Check out our web site for lots of information about scale aeromodeling!
www.nasascale.org

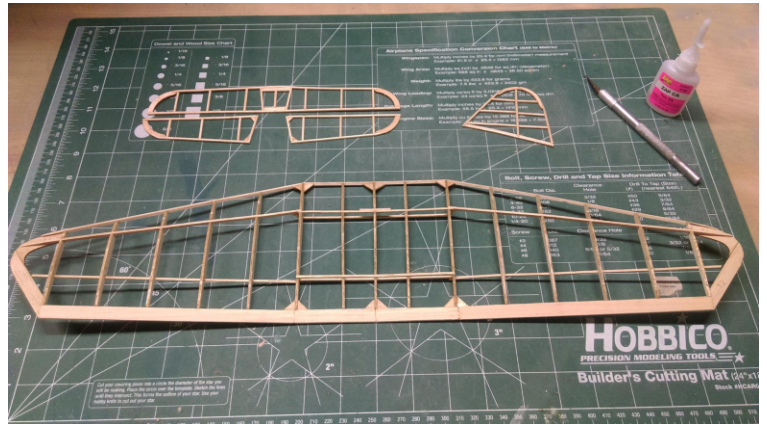
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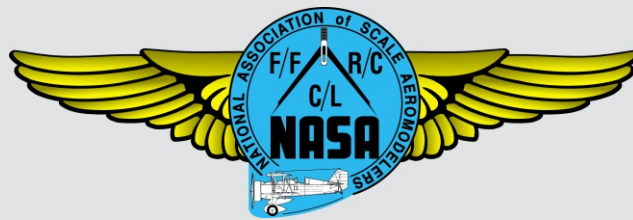
Greetings fellow NASA members! Here we are deep in the summer months and lots of flying and contests going on around the country.

I am slowly settling into getting the newsletter "tweaked" the way I want it. This month we launched our new "Your Opinion" column giving you, the NASA members a voice in our newsletter. If you would like to have a platform to discuss or comment on anything having to do with scale r/c or r/c competition please feel free to write something up and submit it for review at replica@nasascale.org.

On a personal note, I have been getting a lot of shop time working on my Bates 1/5th scale R/C P-51A (see photo below) lately since it is so hot here in the south. I have also been dabbling in some free-flight models including this Russian Kharkov R-10 from Easy Built Models (see photos below). I would encourage you all to try out different types of scale building from small rubber powered models, control line scale, and scale R/C models. They all offer their own brand of fun and enjoyment.



Don't forget to measure twice and cut once!
Mike Chilson, Newsletter Editor



CHECK OUT OUR SCALE EVENT CALENDAR!

keep up with the latest event information at:

www.nasascale.org

If you are a member on Facebook be sure to join us in the N.A.S.A. Facebook Group by searching for "National Association of Scale Aeromodelers" or clicking the logo to the right.



2017 NASA RAFFLE

To help raise funds for the AMA Scale Nationals and other N.A.S.A. programs many generous vendors have sponsored our 2017 raffle giving you two chances to win! First, we are raffling an 89" wingspan Hanger 9 Pitts Model 12 "Viking". This prebuilt model includes a Desert Aircraft 120cc twin, Spectrum DX18 Transmitter and radio system and servos, ElectroDynamics Nano Battery system and Mezjlik prop and TruTurn Spinner. Next, you also have a chance to win a \$250.00 Brodak Manufacturing Gift Certificate. Raffle tickets are \$5.00 for one, \$10.00 for three, and \$20.00 for seven. The drawing will be held in September at the NASA Scale Classic. You do not need to be present to win. For more information about the raffle, donating vendors or to purchase your tickets be sure and visit our website.

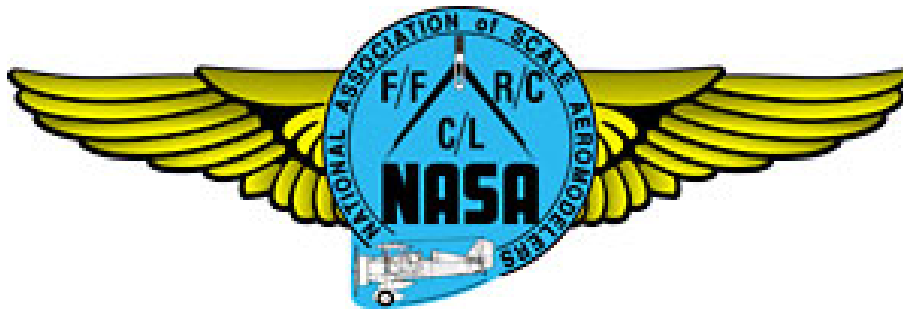


You can purchase your tickets on our website and learn more by clicking on the link below.

www.nasascale.org

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a \$250 Brodak Mfg. Gift Certificate!





4th Annual
NASA Scale Classic
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Oct. 5th-7th, 2017

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RC Events: (Fun Scale Open & Novice) open to anyone, (Sportsman, Expert, Designer, Open, Team) **by earned invitation only**

Special RC Event:*War birds-WW II to current day*****

CL Events: (Sport Scale, Profile) **by earned invitation only**, (Fun Scale, 1/2A scale) open to anyone

RC C.D. Dale Arvin darwin8094@aol.com

RC Co-C.D. Stan Alexander onawing4602@att.net

CL Allen Goff fcm95@comcast.net

AMA Sanction

Entry fees: \$25.00 first event for NASA members, \$40.00 for Non NASA members but includes NASA membership, \$15.00 second event

For more information: NASA's website-www.nasascale.org



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Please complete the following application (please print) and mail it to:
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