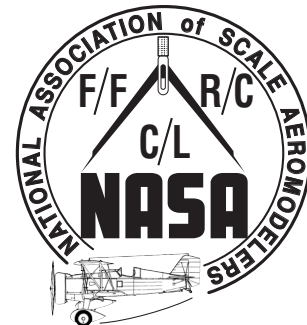
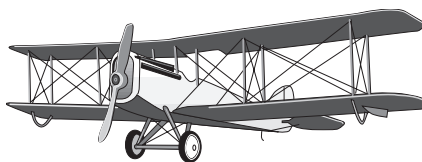


REPLICA

NOVEMBER
DECEMBER
2005

Newsletter of the National Association of Scale Aeromodelers (NASA)

PRESIDENT'S NOTES



WOW! ANOTHER YEAR SHOT TO HECK!

It's this time of year we think about our loved ones, the ones we haven't seen all year, and those around us in our hobby who also make unselfish contributions to our hobby and to NASA. At this time I would like to thank the following:

Dale Arvin- NASA Vice President

Dale has been NASA Vice President for two terms now and has done an excellent job of representing NASA with AMA and the various meetings. We attend for the Nationals, Toledo and the Scale Road Show as well as many other items. **Now if we could just get him to write?** All kidding aside Dale: Thanks so much!

Jim & Bonnie Rediske NASA Secretary Treasurer

Jim and Bonnie sort of tag team the NASA Secretary Treasurer job while both holding down full time jobs and them some. Between Jim, Bonnie, and myself, we've decided that the state of West Virginia has a mail gremlin. Honestly I've been the NASA Production Editor myself and there seems to be a few locations here in the USA that you just can't get mail from here to there. We've had trouble, a couple of times with this state this year.

Bonnie organized the NASA Picnic Bash at this year's Nationals. Everyone who came to the event had a great time. Even Greg Hahn had a good time (if embarrassed about his alter ego singing country music came out to everyone then having his CD auctioned off a quite a price to boot!) Jim put in his first Event Director at the Nationals this year and considering all the "stuff" going on, came off well. We look forward to having him next year in his 2nd year as Nationals RC Scale Event Director!

Mark Lanterman NASA Replica Editor/Webmaster

And webmaster we do mean too! Mark worked hard with NASA officers and members to create the interactive score sheets this year. We had several members who came to the Nationals and other events

this year with these score sheets already filled out with their flight options filled out ready to fly.

The NASA Website is another resource for us all. I would ask you the NASA membership to continue to actively contribute to the newsletter and the website with hints and tips, contest calendar updates, scale contest reports etc. Just anything you can think of that belongs with NASA about scale models and scale people send them in.

Ellis Kaster - Replica Production Editor

Ellis is all the way out in Wyoming, where there is little scale activity, but Ellis has done a great job and continues to send out the different NASA publications for all the membership. Believe me without Ellis NASA would come to a screeching halt! Thanks so much!

Mike Welshans

Mike again served as the Event Director for the C/L scale event at the Nationals this year along with wife Elaine who keeps Mike in line, **well most of the time!** **Ha.** All kidding aside, Mike and Elaine are another husband and wife team who work well together and have made a huge contribution to NASA in general. Mike has turned over the Event Director to the capable hands of Chuck Snyder of Cincinnati, Ohio for 2006. We look forward to working with Chuck and the rest of the Nationals crew in 2006. At this year's Nationals we had a total of 119 entries; not a record, but near it!

Gary Parenti

Gary did a bang up job on the NASA Scale Resource Guide this past year in 2004-2005. Gary found many new resources and websites and there were many changes to the guide for it's current version. The hobby business is changing rapidly and to keep up with all of the changes isn't a easy task. We would also like to congratulate both Gary and his Dad Hal Parenti for making the USA FAI Scale Team going to Sweden in 2006! I believe this is the first time a father and son team have went from the USA. The Dutch team has had this happen a couple of times but never from the USA in Scale. **(continued on page 2)**

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(continued from page 1)

There are many others who we need to thank for their contributions to NASA this year. Mike Gretz with the FAI Scale Team Selection Committee for their hard work on putting together the best Team Selection we've seen in many years despite the meddling of some.

Ed Terry and everyone else who helped with the Nationals and the Saturday night banquet. Wish I could remember everyone, but I just can't. Steve and Shannon Ort were there I know. If anyone has a better memory than mine and can give me a more detailed list, I would like to print it. Thanks to all the NASA judges who worked hard all week for the Nationals.

Thanks go to everyone in NASA and especially to those I've named here. Also we need to thank George Buso for his generosity with regard to the USA FAI Scale Teams! Without everyone NASA could not continue to provide the best in scale competition and resources to modelers around the globe.

THANKS EVERYONE! AND MERRY CHRISTMAS!

NEED DOCUMENTATION?

Well Replica and the NASA website is one of the best 1, 2 punches for documentation. If you can't find it on the NASA website, you are pretty much assured to find it from the NASA membership. But don't pick your favorite J-3 Cub or P-51 Mustang and expect members to do your research for you! If you have a truly hard subject, you'd be surprised to find how few photos of WWI aircraft there are out there, unless the airplane is in a museum. Put in a NASA Wanted Ad in Replica for documentation. I've been working to document a WWI Fokker DVII in Ernest Udet's colors the candy cane striped wing and have found few photos. The Balsa USA kit is a great one and who knows, if I get time to get into the shop it may fly sometime this century.

Update: I received an e-mail from Chuck about his Fokker DVII built in Ernst Udet's color scheme. He actually had a photo of the pilot standing in front of the rudder from the rear of the aircraft. It shows the candy color top wing as well as the warning on the elevators "Du doch Nicht!!" translated it reads "You and who else!!"

NASA ELECTIONS

Our elections will be held in the January/February 06 issue of the newsletter. Anyone interested in running for office please send in the nomination to our Secretary Treasurer (Bonnie Rediske), please! Myself, I've been in some NASA office for over 20 years now and I would like to see NASA continue to grow and evolve. **That's a hint guys!**

NASA CONSTITUTION & BYLAWS UPDATES!

We will also be updating the Constitution and Bylaws in the next few months to reflect our growing education facet. This small re-write will be on the ballot with the election in January. **SO VOTE!** Included in this issue

is the current Constitution and By-Laws of NASA. Mark will be publishing this on our internet site also.

We need to update the Constitution and By-Laws and reflect the educational aspects of NASA with regard to the history of aviation and scale models too. We are going to apply for our non-profit status soon and this needs to be in place for the changes.

INTERESTED IN ATTENDING THE 2006 WORLD CHAMPIONSHIPS AS A USA TEAM SUPPORTER?

Well it's time to start thinking about it now. Next year's Championship will be in Sweden and the dates are July 14th-23rd. Look up the site in the NASA website under FAI International competition. As soon as we have updates, we will have them on the website for everyone. The first Bulletin typically comes out around the 1st of the year. So it may be another month or two. The official website is up also but there is little information at this time. Check out www.scalechamps-in-sweden.se/index2.asp for further updates.

NATIONALS PLANNING MEETING:

There were many opportunities with this year's Nationals. Much of the pre-nationals planning by the AMA level just wasn't done this year. Lonnie Estep stepped into a position formally held by Steve Kaluf and worked hard at doing the same job with a reduced staff or no staff. That sometimes doesn't work out the best and that was the case this year. The competitors and officials could probably see this most clearly with the lack of a food vendor on Saturday and Sunday at the RC site. The CL site had a hotdog vendor who does a great job. **Yep!** On Saturday I was ticked off and not just a little bit about the food vendors. At the Nationals meeting we found out that we weren't the only ones with "issues" with the food vendors either.

Suggestions have been made for a central food vendor and even for AMA to take over the food service all together. As I pointed out if we had college students who wanted to pick up some money for the summer this would be a great way to do it. AMA would reap a windfall from the proceeds and we could actually reduce the Nationals entry fee, **which by the way AMA increased by \$10 for next year. Uch! And ouch!**

Under the former Executive Director Don Koranda, the Nationals were suppose to receive a better "cost accounting" of the event to AMA. The Nationals did receive a "cost accounting" from AMA but at what level of accuracy is still to be determined. At this time NASA still hasn't received bills from AMA for the Worthen Arena and other SIGS have other issues with the accounting practices this year.

So at this time, I as NASA President still have to question the need for the increase in the fees charged to AMA members who participate in the Nationals. The idea behind the increase is said to be that the Nationals lost money this year for the first time in several years. The accounting practices formally used before this year are in question. The accounting practices

used now are also in question by many of the SIGS who represent AMA as the organizers of the Nationals. Some of the Special Interest Groups found upwards of \$2000 in errors to their favor this year. I'm not happy about what happened and am still concerned that we are paying too much for the entry at the Nationals.

Here is how it breaks down.

AMA receives the first \$35 (now \$45) of each entry fee from a contestant, for their first entry. The additional entry fee money or \$25 is received by NASA. NASA also receives the additional \$25 for 2nd or 3rd entry fees. These fees are then paid back to the judges and officials in the form of an honorarium for their service to the competition. This usually covers a judges part of the motel room. We also provide the judges with some sort of a meal for the days there, although this hasn't been required. We actually saw (and were distributed) the AMA water bottles for the first time this year. We understand that AMA (i.e. the Competition Department) has provided these to the SIGs in past years, but hmmm we never received them. **What do we receive for the \$45 given to AMA?**

Well, we receive the following best I can tell, the magazine ads, the mailings, the trophies (Team Scale gets two). If you still don't have yours, please contact Lonnie Estep at: lonniee@modelaircraft.org. At this writing, contestants still hadn't received their pilot trophies for this event. The ground staff and administrative staff at AMA also help with the banquet etc.

I would also like to thank Wayne Yeager, Ron and Jane Morgan, and Jay Mealy with their help this year with the Nationals which included the Team Selection as per the Team Selection Committee's wishes. Without Jay and Lonnie we would have been cooking in a fire pit in the middle of AMA's pretty grass on site this year. Someone stole AMA's large gas grill. Seems that some AMA members think if it isn't tied down it's fair game for stealing. I hate a thief!

This coming year is the 80th Annual National Championships and we hope AMA and everyone involved will put its best foot forward for a great event.

SCALE RESOURCE GUIDE UPDATES

Please send any updates you have seen, including new companies, companies, gone out of business to Gary Parenti at: garyp@paainc.com or to: 1101 Martindale Dr., Westchester, IL 60154

Fair Skies and Tailwinds,
Stan Alexander

UPCOMING EVENTS: 2006

- **Top Gun Invitational: Lakeland Florida April 26th-30th contact Frank Tiano for further updates.**
- **Mint Julep Scale Contest: Falls of Rough State Park, KY May 19th-21st**
- **USA Scale National Championships: Muncie, Indiana August 3rd-6th**
- **3rd Annual Scale RC Indoor Classic: Muncie, Indiana August 3rd**

U. S. Scale Team News Fall 2005

The U. S. Scale Team, selected at the 2005 NATS, will go to Sweden in late July 2006 to represent the United States at the World Scale Aeromodeling Championship. The team consists of a three man control line team (FAI class F4B), a three man radio control team (FAI class F4C), a Team Manager, and probably two Assistant Team Managers.

The control line team is Dale Campbell, Chuck Snyder, Ralph Burnstine, and Dick Byron (alternate in case one of the three drops out). The radio control team is Hal Parenti, Gary Parenti, Wayne Frederick, and Manny Sousa (alternate). Lloyd Roberts is Team Manager. Assistant Team Managers will be Richard Schneider for F4B and Bruce Bretshneider for F4C.

Dale and Chuck were on the 2004 F4B team in Poland where the team placed third. Ralph has been on a previous team or teams, 1976 in Sweden for one. Hal was on the 2000 team in Switzerland, Wayne has been on a previous team. Gary accompanied Hal to Switzerland as crew. Richard has FAI judging experience (he dropped out of the F4B team trials to be judge for the team trials) and maybe has been on a team. Bruce and his wife Iwona provided key logistic support in Poland and are eager to do the same in Sweden. Lloyd was a team member in Switzerland and Team Manager in Poland.

The Team will have official practice events early in the 2006 flying Season. The RC F4C Team practice will be at the Mint Julep contest in May which already has an FAI category. The C/L F4B Team practice will be at the Brodak meet the end of June. These practice contests are very important preparation for the Worlds as the flying for FAI is a bit different from our usual AMA rules. This will also be an opportunity to review static presentations and documentation of the models, again different from AMA rules.

In the past there have been feelings, justified or not, that American modelers were at a disadvantage and perhaps discriminated against by European judges. This time there will be no excuses, George Buso has been invited to be a static and flight judge for F4B and likewise Stan Alexander for F4C static.

The Team will be involved in fund raising as usual. We are looking for donations from flying clubs, individuals, and the model industry. We will also run the U. S. Scale Team Mega Raffle as we did in 2004.

Lloyd Roberts
Team Manager



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control line scale

FIRST THINGS FIRST.

Mike Welshans has done a great job for the last few years as C/L Scale Event Director at the Nats and I would like to publicly thank him for all the work that he and his wife Elaine have put into several well-organized and smooth-running National Championships. They would like to plan a non-working vacation so I have volunteered to be the Event Director for the 2006 Nationals. By the time you read this I will have contacted the people who helped Mike to see if they would like to work again, but there are always opportunities for additional people to get involved. A couple years ago I helped judge rather than compete and I had as good a time as when I was a contestant (and with a lot less hassle of transporting and assembling models). C/L scale at the Nats has developed into quite a social event for my wife Betty and me. Most of the competitors bring their wives and children and we have become friends with many of them. We really enjoy the group dinners, the NASA banquet, and catching up on news from the past year. In order to run the event we need flight and static judges, score keepers, and help with pull tests. In previous years NASA and AMA have reimbursed a portion of the judges' expenses. Several years ago I tried to volunteer through "official" channels and never got any response, so if you would like to be a part of this event please contact me directly.

FAI COMPETITION

There is an effort underway to increase participation in the F4B and F4C classes and to improve the performance of our teams at the World Championships. One suggestion in pursuit of this goal is to fly the F4B flight schedule after using the Sport Scale rules for static judging. At the 2005 Brodak Fly-in it was announced that this would probably be done at the 2006 event. I personally support the idea.

The flight rules and programs are different between the events and if you have only ever flown the Sport Scale routine, I suggest some pre-planning. Don't try to fly the event without reading the rules! You can download a copy via links on the NASA web site. There are several nitty-gritty differences, like starting times and K-factors, that should not make a material difference; but there are others that are significant! Three seem to be challenges for those of us steeped in the Sport Scale routine. First, in FAI you have to call the "start" and "end" of each demonstration loud enough for the judges to hear. (European competitors use a caller in the middle of the circle similar to the common practice in R/C.) Secondly, you must fly at least two level laps between each of your demonstrations. Finally, the normal flight altitude is six meters (approximately 20') high.

The flight programs are different. In Sport there are four required and six optional demonstrations. FAI has four required and four optional. You might think you have less to do in FAI, but some of the Sport options are either not allowed or combined with other maneuvers. Throttle control is not an allowable option in FAI. In Sport, Taxi is a double option. In FAI it must be included with the take off and landing. Likewise, the Touch and Go demonstration is a double option in Sport, but only counts as one in FAI. The very common routine of High Flight, Touch and Go, Taxi, and Throttle just doesn't work in FAI!

Well then, what can you do? If you don't at least have throttle control be prepared to score very poorly; it is expected in almost every demonstration. Assuming you have throttle, but no mechanical options, what is available? High Flight and Touch and Go can be carried over. So you still need two more options. Check out the Overshoot maneuver. Full-scale IFR pilots might refer to it as a "missed approach," and Naval aviators would think of a "wave off." Beyond this you are looking at aerobatics! I suspect the easiest for a scale model with a high wing loading would be the Figure

Eight (sort of a double climb and dive within one lap.) Check out the descriptions in the rule book!

Finally be advised that if you model a prototype that had retracts and you don't have them on your model your flight score will be reduced by 25%. RELAX! DO NOT PANIC! I asked the CD at Brodak and he said that rule would be waived. I suspect that will also be the case at other contests operated with this format.

FLY FAI

Chuck Snyder

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2006 NATS UPDATE

The Nationals headquarter hotels will again be the Fairfield. Contestants judges, spectators and volunteers can now make their room reservation. They need to be sure to ask for the "AMA RATE" in order to get the group rate. Our block is set to include the Wednesday thru Sunday nights at the reduced rate.

I am going to be heading up the picnic again. We are working on an expanded menu and all hands willing to volunteer will be welcomed as they always are at the Nationals. Since the picnic was so well received last year I plan to expand the menu. We are working on getting corn on the cob added to the menu. I already have volunteer chefs in place. We will follow the same basic format as last years. Cost will be \$10.00 per person with a BYB (bring your own beverage) format. Any one interested in bringing a dish to pass will just add to the fun. I would request anyone who wants to bring a dish to pass or a personal favorite / specialty to also bring the recipe. That way we can publish it for all to enjoy in the next Replica.

More Details will appear in later issues but it's never to early to start praying for another beautiful weather weekend.

Take care.

Bonnie Rediske
NASA Secretary/Treasurer



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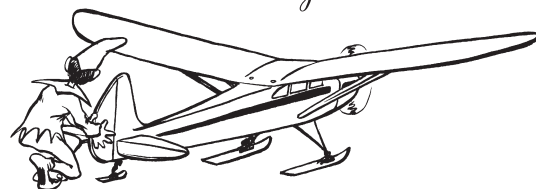


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From all of us at NASA,
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NASA NEWS &
INFORMATION
ON THE INTERNET

If you have internet access, you owe it to yourself to visit NASA's brand new web site - www.nasascale.org. Not only is this a new URL, but a complete re-thinking of how we present information.

This new 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 new features of the web-site. We have just updated all the competition forms and documents for scale competition to bring them in-line with today's meets. Towards this end, we are posting the finished documents online in .pdf form. Not only are the documents posted, but we now have 2 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 .pdf Reader, you can fill out all the information on your computer, then pre-print copies to take to your next scale event. Information that can be filled in is information about yourself, your plane and your maneuvers/options. These can be selected from pull-down menus which include all mandatory and optional maneuvers/options as spelled out in the current AMA rulebook. Imagine not having to spend time at the 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 Radio-Control events - from Fun-Fly up to FAI! Download your forms today!

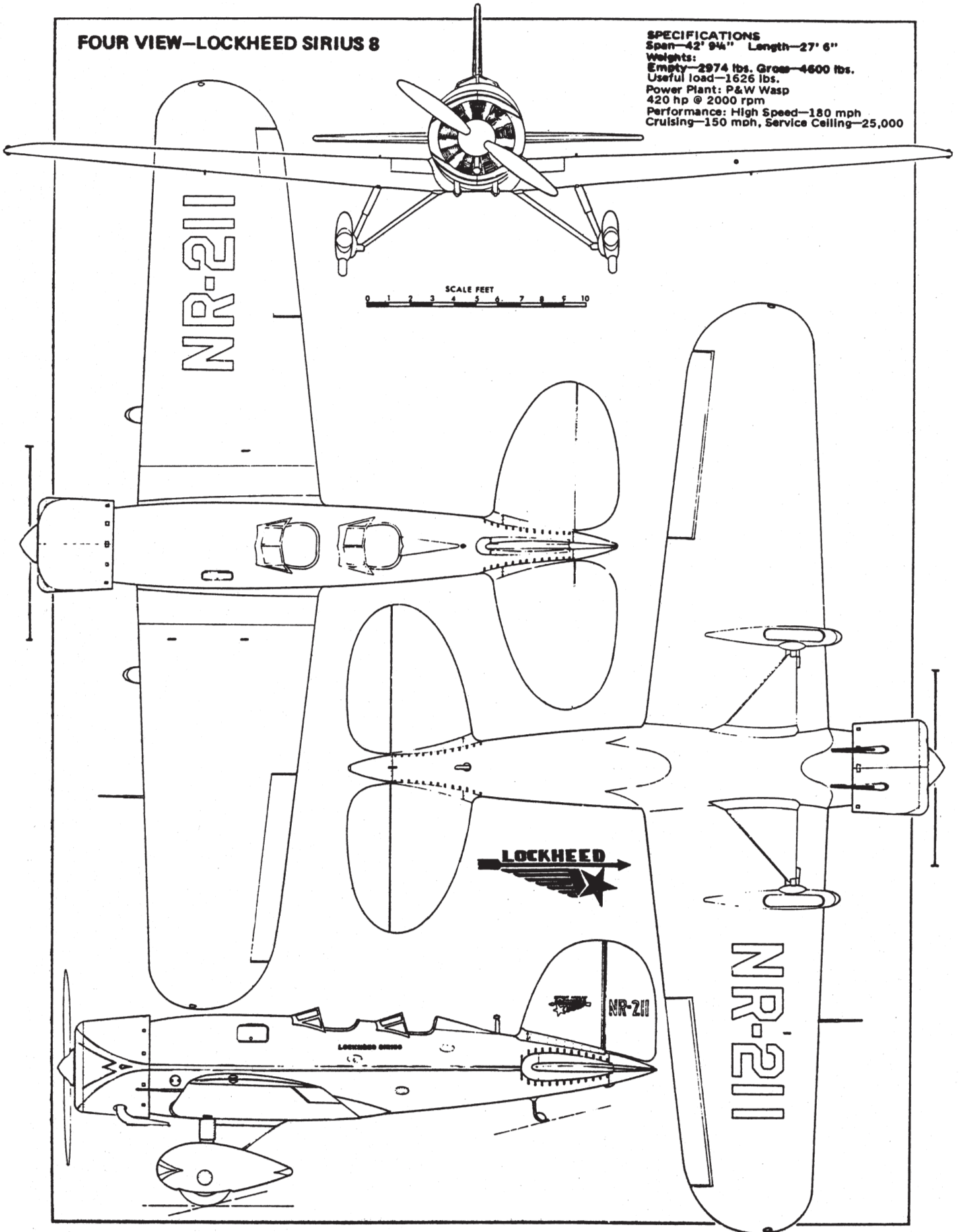
Maneuver	Raw Score	Factor	Score	Comments
1. Take Off	10	1	10	
2. Straight Flight	10	1	10	
3. Figure Eight	10	1	10	
4. Descending 360° Circle	10	1	10	
5. Option 1:	10	1	10	
6. Option 2:	10	1	10	
7. Option 3:	10	1	10	
8. Option 4:	10	1	10	
9. Option 5:	10	1	10	
10. Approach in Rectangular Circuit / Landing	12	1	12	
Realism in Flight				
A: Engine Sound (realistic tone & timing)	10	1	10	
B: Speed of the Model	10	1	10	
C: Smoothness of Flight	10	1	10	
D: Choice of options	12	1	12	
TOTAL SCORE				

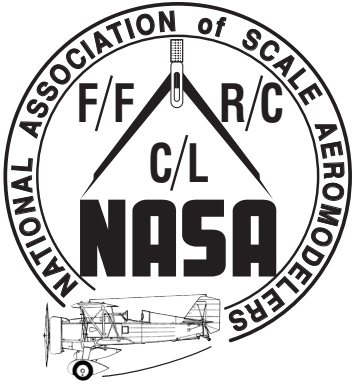
Constitution and By-Laws of the National Association of Scale Aeromodelers

- I. **Name:** National Association of Scale Aeromodelers
- II. **Purpose:** To encourage, promote and advance all phases of scale aeromodeling, regardless of size, power or mode of control. To encourage the formation of scale clubs. To encourage flying scale competition at all levels. To encourage the training of scale judges for competition. To encourage the sharing of scale data, photos and drawings. To maintain good relations with media and AMA to further enhance the image of scale aeromodeling. To produce a newsletter for the scale aeromodeler.
- III. **Officers:** There shall be elected by the general membership, for a two year term, a President, Vice-President and Secretary/Treasurer. The President shall appoint an Editor for the newsletter and a representative from each of the AMA Districts.
- IV. **Membership:** Open to any member of any country's aeromodeling organization, i.e., AMA, SAME, MAAC and to any other aeronautical organization, i.e., IPMS, EAA, Confederated Air Force, etc.
- V. **Dues:** Fifteen dollars (U.S.) seventeen dollars (Canada), twenty two dollars (foreign) each year for membership. The Secretary/Treasurer can, at renewal time, call for an increase in dues, not to exceed one dollar in any given year, without the vote of the membership.
- VI. **Committees:**
 - A. Rules Committee: Shall advise the AMA and FAI rules committee of what we need and will develop and prove new rules for submission.
 - B. Documentation: Shall provide and update a reference library of photos, drawings and other data for use by members.
 - C. Public Relations: Shall work with the Air Modeling Media to maintain a high level of coverage in these publications. This committee shall also work on and publish new technical advances and work with kit manufacturers for the advancement of items for the commercial market.
 - D. The President can at any time deemed necessary by a majority of the officers, appoint a committee for any purpose that may be useful. All committee chairpersons shall report to the President monthly.
- VII. **Meetings:** There shall be an annual meeting at the Nationals. There may also be meetings on the district level and the "Fly-In" or "All Scale Contest" will make a good format for these meetings.
- VIII. **Duties of the officers:**
 - A. President: Presides over meetings and maintains open lines of communication with all other officers and committee chairpersons as well as the district Representatives.
 - B. Vice-President: Acts in the absence of the President and is to act in an advisory capacity to all officers.
 - C. Secretary/Treasurer: Handles all money matters and keeps minutes of the Nationals meeting. Will also provide a roster of the members to AMA, as well as organize the election of the officers in November and December.
 - D. Newsletter Editor: Publishes a newsletter approximately on a bi-monthly basis to all members and all AMA Scale Contest Board Members. Newsletter shall go to all modeling media also.
 - E. District Representatives: Represent NASA in their AMA District and attend, cover for the media, and photograph as much "scale activity" as possible. The District Representative is urged to be active with the AMA Scale Contest Board.
 - F. All officers, elected or appointed, shall report to the President and the Newsletter Editor monthly.
 - G. Amendments to the Constitution and By-Laws may be made at any time by any current, paid-up NASA member. Proposed Amendments shall be submitted to the President, Vice-President, and Secretary/Treasurer.
 - H. Initial approval by the Amendment Committee, consisting of the Officers of NASA and NASA District Representatives, is required for acceptance of an amendment. The Secretary/Treasurer will within fourteen (14) days of receipt, distribute copies of the proposed amendment to the Amendment Committee along with a ballot for their approval, disapproval, or suggestions for modification. All ballots are to be returned to the Secretary/Treasurer within 14 days of receipt.
 - I. If the proposed amendment is disapproved by a simple majority (51%) of the Amendment Committee, or suggestions for modification have been submitted by them, the amendment will be referred back to the initiating NASA member. The proposer will have the option of resubmitting the proposed Amendment as revised by the Amendment Committee or withdrawing it completely.
 - J. Amendments approved in total by a simple majority (51%) of the Amendment Committee will be published in the next scheduled issue of Replica, the NASA newsletter, along with a ballot for membership voting on the proposed amendment. Ballots are to be returned within 30 days of mailing of the newsletter to a designated neutral party to be named by the President of NASA. The back of each ballot must exhibit the member's stick on address mailing label to be considered valid.
 - K. Ballots returned within the 30 day period will be considered a quorum. Ratification of proposed Amendments will require approval by two-thirds of the returned ballots. The results of the ballot will be published in the next scheduled issue of Replica by the newsletter editor.
 - L. Amendment proposals rejected by a ballot of the NASA membership may not be resubmitted for a period of three (3) years.

FOUR VIEW—LOCKHEED SIRIUS 8

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- **Control-Line Scale News • Lockheed Sirius 8 3-views.**
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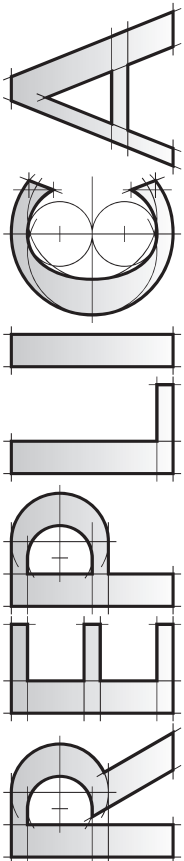
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Area of Interest: Free Flight Control Line Radio Control Giant Sailplane Electric

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