

HOTAS

(Hands on Throttle and Stick)



Volume I, Issue I

Q1 January - March 2011

A NEW SCALE ORGANIZATION IS BORN!

The NorthWest Scale Aero-Modellers (NWSAM) is a result of the Scale Masters Regional Area concept. The NorthWest Scale Aero-Modellers are aligned with the Academy of National Championships, prior to 2009, was last held in the NorthWest in 2001. In 2009 the Wenatchee Red Apple Flyers and the N.W. Scale Aero-Modellers hosted the 2009 U.S. Scale Masters National Championships.

The reason for an annual NorthWest Scale Championships was to provide an opportunity for Scale Aero-Modellers to attend a area championships in the NorthWest. If the U.S. Scale Masters Championships were to be held again in the NorthWest the N.W. Scale Championships would be Model Aeronautics (AMA), Model Aeronautic Association of Canada (MAAC), U.S. Scale Masters Association (USSMA), Top Gun and the National Association of Scale Aero-Modellers (NASA) through Scale Events/Activities held in the North West. The N.W. Scale Masters Advisors met in 2008 with an idea of organizing a "NorthWest Scale Championships". The group consisted of Mike Ingram - Idaho Scale Squadron, Gene LaFond - Washington, Rick Dunn - Oregon, & Canadians; Pat Savage - Alberta and Roly Worsfold - British Columbia.

The U.S. Scale Masters National Championships, prior to 2009, was last held in the NorthWest in 2001. In 2009 the Wenatchee Red Apple Flyers and the N.W. Scale Aero-Modellers hosted the 2009 U.S. Scale Masters National Championships. The reason for an annual NorthWest Scale Championships was to provide an opportunity for Scale Aero-Modellers to attend a area championships in the NorthWest. If the U.S. Scale Masters Championships were to be held again in the NorthWest the N.W. Scale Championships would be scheduled or cancelled to accommodate the Scale Masters Championships.

Our focus is to culminate in a "NorthWest Scale Championships" with guidelines for the event.

The event location will be central in the NorthWest. Due to the amount of effort spent by organizers for the 2009 Scale Masters Championships and the education acquired we decided to postpone the 2010 North West Scale Championships. We needed a chance to regroup and get the Organization in order before tackling our first Championship Event! Keep an eye on our websites (both nwsam.org and our facebook page) for the latest status updates on everything we are doing!

Cheers,

Roly Worsfold

Director

NorthWest Scale Aero-Modellers



What's in Scale Aero-Modelling for you?

Scale Aero-Modelling events provide a great "social venue" to meet people who share the common interest of building and flying scale airplanes. This is the biggest benefit you will receive when participating with scale interest people at Scale Events all over the country and the world.

Participating in scale events creates more purpose for improving your building and flying skills. Participation is easy as the program is a graduated one; designed to progress from beginner to Expert level. Almost Ready to Fly airplanes (ARF) & Almost Ready to Cover



NorthWest Scale Aero-Modellers Mission Statement

The NWSAM exist to promote and provide support, resources/information for radio controlled scale aeromodelers, judges and event organizers for their success at any Local, National or World Scale Aero-Modelling event. "While competition is the forum the emphasis is on Learning, Fun and Sportsmanship."

Key Points:

The organization will be as transparent; sharing information with the emphasis on the Northwest and "keeping it simple". Provide a website: NASAM.org - to communicate and share information that will help Scale Aero-Modellers and organizers of Scale events to be successful in their ventures. Financially we will keep our costs to a minimum and at the end of the year if there are any excess funds (save a minimum to cover known expenses) will be dispersed to either a selected charity or the club hosting an annual N.W. Championships or both.

Strategy:

To maximize participation in each area throughout the N.W., hold one or more "Fun Scale" events, at different club sites, which support a main area Competitive Scale event. Organizers should be a few steps ahead with guidelines and procedures provided from a central source.

Donating to NWSAM

We have received many e-mails and phone calls asking how to donate to Northwest Scale Aero-Modellers. We now have a very easy way for anyone to do just that, go to [HTTP://WWW.NWSAM.ORG](http://WWW.NWSAM.ORG) and find the button, it is safe and secure. Your donation will go along way to help secure more scale events and improve upon how we are able to bring more scale rc flying to the Northwest!



2011 NorthWest Scale Championships—Update!



The **2011 NorthWest Scale Championships** will be held in Boise Idaho, **September 8th - 11th, 2011**. Yes you are seeing the dates correctly; this will be a (4) four day event! We are already anticipating more than 50 pilots will be competing in the inaugural event and I would not be surprised if we do not get the number closer to 70 before it is all said and done.

We will have official hotels for the event and more information about all of this will be made available through the NWSAM (<http://www.nwsam.org>) website in the very near future. Once we have all of the details finalized and resources are available it will be best if you would NOT wait until the last minute to make your reservations.



If you are interested in the rules guide, it is already available on the NWSAM website; select the NW SCALE CHAMPIONSHIPS menu button; then on the lower left side of the page you will see a link for “2011 NorthWest Scale Rules” Please check the website often as we will provide updates and post them on the website first!

Northwest Scale Aero-Modellers Newsletter

It was decided to call our Newsletter “HOTAS” which means Hands On Throttle And Stick. Thinking about the purpose that our Newsletter will fulfill the name just made sense; we are taking the scale scene by the throttle and stick! In a continued effort to keep the overhead cost as low as fiscally possible the Newsletter will be published and delivered electronically only. It will be placed on <http://www.nwsam.org> website for you to download at your leisure. Our plan is to send out an e-mail letting everyone know that the latest issue is on the website and available.

The current plan is to publish every other month with regular columns and timely columns of interest. These could include but are not limited to: Chairman’s Corner, Treasurer’s Report, Championships Update, Judges Coordinators Report, Reports from Advisers, CDs and Sponsorship Updates. Should the need arise we will publish a special issue Newsletter based on Organizational need.

Bylaws & Membership Program

The Bylaws are available on the NWSAM website now; our goal is that this organization remains transparent to everyone, all of the time with no excuses! The membership program is in place and will continue to develop over time. It’s efforts are focused to grow scale modeling in the NorthWest and beyond. Remember this is just the start and the membership program will flush out over time; we want to give each membership level certain benefits and privileges. This is something that will be an ongoing project and as always we will keep you all informed as we are able to add new benefits to the membership program.

Do you have any ideas of how we can bring more value to the membership program? Well please feel free to share your ideas with us... we will all benefit in the end!!!!

NorthWest Scale Aero-Modellers—Membership Benefits

The NorthWest Scale Aero-Modellers consist of a group of scale enthusiasts who want to share the Scale Aero-Modelling experience with others. We are providing a website and creating/providing documents to support Pilots, Judges and Event Organizers from Fun Scale through to World Championships levels.

This effort does not come without the work of many people and financial requirements.

A committed membership is required to support this endeavor and meet the financial requirements which provide these services to Scale Aero-modellers in the North West.

Benefits of becoming a NorthWest Scale Aero-Modellers member;

- Meet new friends with Scale Aero-modelling interest
- A website focused on promoting Scale Aero-Modelling in the North West
- Promoting the organizing and growth of Scale Aero-Modelling in the North West
- Help for beginners to the sport of Scale Aero-Modelling.
- Boot Camps to provide training for participants at all levels.
- Provides Scale Aero-Modelling Contacts
- Information about building and flying scale airplanes
- What's new in Scale Aero modelling
- Promotes Scale Fly-Ins
- Scale Aero-modelling event information
- Organizing information for Scale Aero modelling events
- Scale Judges training program

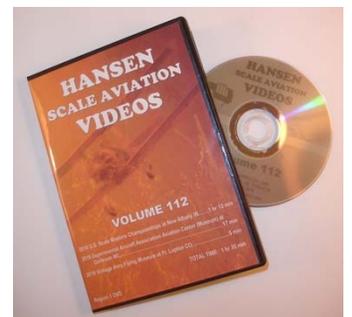
NorthWest Scale Aero-Modellers	
<small>Established January 1, 2010</small>	
	Membership Information
	Name _____
	Number 00001
	Expires / / _____
	Officer _____
<small>For more information about NorthWest Scale Aero-Modellers, please visit http://www.nwsam.org</small>	
<small>"While competition is the forum the emphasis is on Learning, Fun and Sportsmanship"</small>	

Our First Partner—Hansen Scale Aviation Videos

Hansen Scale Aviation Videos offers over a hundred DVD's of interest to aviation enthusiasts, covering both radio control and full scale topics. Scale coverage includes events of the International Miniature Aircraft Association (IMAA), U.S. Scale Masters Association (USSMA), Quarter Scale Aircraft Association (QSAA), Federation Aeronatique Internationale (FAI), International Miniature Aerobatic Club (IMAC), and Top Gun. Full scale coverage includes video & narration of various museums.

Dick Hansen, a model aviator since 1939, videos and narrates the events and museum tours.

<http://www.scaleaviationvideos.com/>



Scale Column—Rivet Details

By Contributing Author: Ron Peterka

Some of you have noted, or attempted to add, rivet detail to your model. Some ARFs come with considerable rivet detail but suppose you have a model with no detail and you simply ‘must have’ the rivet detail to complete the ‘look’ of your latest model.

For many years aircraft manufacturers have assembled aluminum sheets together with either protruding round head or ‘pan’ head rivets, or with counter sunk flat head rivets for less drag. This presents an opportunity for an enterprising modeler to reproduce some elaborate surface detail to impress scale judges, fellow modelers, and passers by. The reproduction of panel lines is an art in itself, but in any case rivets just naturally show up along panel lines and wherever reinforcing members are attached to the visible skin.

Have you ever heard of a “Lockheed” rivet? How about a “Boeing” rivet? Actually, they are both very similar in appearance and use. Here is the story.

In factory assembly lines, riveting is usually done using a two-man team. A ‘bucker’ who climbs into, or stands on the far side of the panel being riveted and a ‘riveter’ who is stationed on the front side of the panel.

The buckler may have the harder job since he/she may be required to climb into uncomfortable and restricted spaces to hold a bucking bar against the straight shank of each rivet while the riveter operates an air hammer riveting gun against the round or flat head rivet to pound, or ‘set’, it into shape.

The riveter inserts a rivet into the proper hole drilled through the sheets of aluminum and holds it in place with the rivet gun while the buckler places a bar against the end of the rivet. When the buckler is ready he signals the riveter and he pulls the trigger on the gun to apply several hits to swell the shaft of the rivet permanently into place. If the set is OK, the buckler signals with a tap of the bar against the skin and the riveter moves on to the next hole where the whole routine is repeated again and again, and again. But... what if the rivet is not set properly. Too much pressure, the bar slips, etc..?

The riveter is then required to drill out the offending rivet and start over. But... what if the drilling is not quite on center and the hole is elongated or oversized now? The only answer is to drill the hole to the next larger rivet diameter which would have a larger head diameter and would stand out compared to the previously installed rivets. This would not be acceptable. What to do?

Well it depends on where you were working. If you worked for Lockheed, you reached in your pocket for one of a non-standard supply of “Boeing” rivets. If you worked for Boeing, you reached for a “Lockheed” rivet.

These rivets were manufactured with an oversize shaft, but a standard head diameter. They were definitely not acceptable from an inspection point of view, but a few out of perhaps thousands of rivets make no noticeable difference in strength, and if the inspector cannot see the difference no complaint can be filed.

So now you know what “Lockheed” and “Boeing” rivets are.

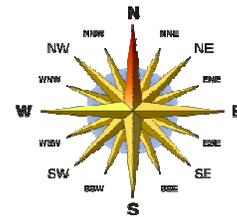
Models/TX articles/Rivets

What does the future hold for NWSAM ?

NWSAM is the resulting of 3 years worth of conversations with Pilots, Judges, CD's, Product Manufactures , Spectators. The aggregated feedback was reviewed and after too many phone calls and e-mails to count we agreed on the current structure and format. Now does that mean that this is set in stone? Not at all; this organization will modify as necessary to remain responsive and capable of meeting its intended mission and goals.

The mission is stated on the second page of this newsletter; the current goal of this organization is very simple... GROW! We are focused on several key areas to begin with:

1. More Scale Events
2. A Premier Championship Event (See the website for details)
3. Partner Programs
 - Manufactures
 - Museums
 - Giving
4. Repository of Scale Knowledge
5. A publishable schedule of future championship venues 3 years out as a minimum



These are very important to our future; however as much we would like, this will not happen over night. This organization has been 3 years in the planning and we have come along way since that first meeting in Wenatchee. All of this is based on volunteer effort and almost everyone involved has other commitments which must be focused on as well. We are constantly striving to make as much progress as we can and implementing new programs with specific features will allow us to grow as quickly as we can reasonably manage (from an individual and monetary prospective). We are also committed that this organization will remain transparent to everyone; we intend this to always be an open environment to explore new ideas. Reach out to each other to support all of the goals we as a group would like to achieve.

One of the aforementioned mechanisms is the scoring method we are employing, it is unique to this Championship Event and will make it a level playing field until the last round is flown.

NWSAM does have a need for additional help with certain positions that are being covered temporarily now.

- Newsletter Editor
- Coordinator - Alaska
- Coordinator - Montana

If you are interested in volunteering for one of these positions; please let either myself or Roly Worsfold know! I look forward to what the future will bring for NWSAM and Scale Aero-Modelling!!!

Rick Dunn

Vice - Director

NorthWest Scale Aero-Modellers

