

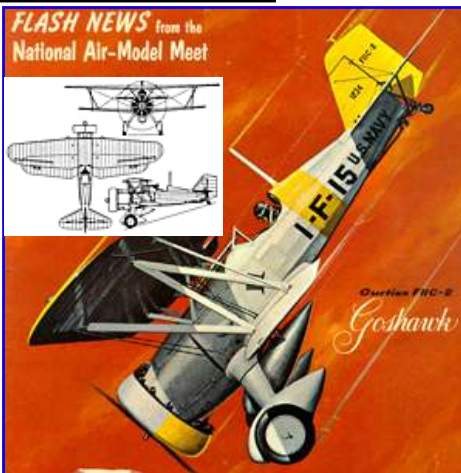
Volume 34
Issue 6
Nov-Dec
2010



REPLICA

Newsletter of the National Association of Scale Aeromodelers [NASA]

FLASH NEWS from the
National Air-Model Meet



2011-2012 Rules are published
on the AMA web site,

[www.modelaircraft.org/
events/compreg.aspx](http://www.modelaircraft.org/events/compreg.aspx)

The National contest scale
events were set December 1st.
AMA events missing this year
include 524 CL Designer scale
with 527 CL Team Scale being
added. 2012 FAI RC Scale trials
will be at the NATS this summer
with 3 contestants and one al-
ternate chosen.

NASA has a complex system of
membership renewals on the
month received. The executive
team needs your input on
changing to a year end member-
ship renewal like many organi-
zations. You would have to
March 1 to pay your \$20. Please
send your comments to Bob
Lirette by mailing him a note or
blirette@sbdglobal.net.

Scale Contests-Events

**April 1, 2, 3 - Weak Sig-
nals R/C Expo Toledo
NATS**

**June 25, 26, 27, 28, 29
Johnson City, TN
FF Indoors
6 FAC events**

**July 1, 2, 3 Muncie, IN
CL 509,510 (F4B), 521,
526, 527
RC Fixed Wing 511,
512,515,516 (F4C),520
(Novice and Open), 522**

**July Muncie, IN
RC Sailplane None**

**July 18, 19, 20, 21, 22
Muncie IN
FF Outdoors 18-22
9 FAC Events**

**August 7, 8, 9, 10, 11
Muncie, IN
RC Helicopter —518**

**"It is though we have grown
wings, which, thanks to Provi-
dence, we have learnt to con-
trol." Louis Bleriot, Atlantic
Monoplanes of Tomorrow,
1927**

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**Web Master Vacant, need
volunteer.**

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5. Scale at AMA Expo
7. 12 Inches to the Foot
8. About NASA



President's Message *Mike Barbee*

You can email me at:
Mabarbee@aol.com

Hello everyone,
Just think here in my part of the country in just about a month the snow may be melted. Some of my scale buddies stopped over at the shop this weekend and we discussed how long each of us had been involved in scale modeling. I think I won for the longest dating back to 1979, Louisville Kentucky, my first contest. Oh, the plane I remember it very well. I

t was the Sig Super Chipmunk. Colors and paint scheme was that of Art Scholes' famous air show monk. What better than red, white and blue. Back then the contests were few and far between. The Mint Julep contest, my absolute favorite, was Sunday afternoon after Pattern competition. Yes the pattern guys flew Saturday and half day Sunday then we got our chance. Then there were only about ten entries so judging and flying could be complete in four hours or less. I liked to fly so I entered Pattern also, that and IMAC seem to help my flying skills over the years.

Do you remember your first competition event? The contests have grown both in numbers and size, now the Mint averages about 70 entries each year and I believe it is the longest running contest with the exception of the Nat's. The Nat's will celebrate its Eighty fifth anniversary this year and the Seventy fifth anniversary of the AMA. I remember my first Nat's, that same year 79, it was held at Clinton County Airbase in Ohio. I saw Charlie Chambers fly his F-9-F Cougar, ducted fan jet. I was so intimidated with the size of the event and

quality of the models; I left mine in the car and watched. Maybe that is why entries have declined at our events there is no easy way to get mentored or started in competition.

With respect to that I was lucky there were five guys from my club that built and loved scale modeling. I watched listened and learned and all the while met great competitors and lifelong friends. This year the AMA celebrates its Seventy Fifth Anniversary and I would like everyone to come out to the greatest flying site in the country in Muncie and renew old friendships and fly scale.

We will have a party Saturday after competition at the site. If you are like me and want to leave your planes in the car, just come out and watch and join us at the party everyone is welcome.

Check the schedule on the AMA website the dates are July 1, 2, and 3. Static judging and check in at the site Friday July 1. This year only 2.4 frequencies will be allowed. That gives you five months to dust off, or complete your scale beauty and come out to have fun.

We also have a number of Scale Masters events for this season check out their web site for dates and places. I do know that the Championships will be in California this October. If you have any stories or pictures of your past scale projects I would like to hear from you email them to me Mabarbee@aol.com.

Stay warm, and keep building, I will see you at a contest.

Mike Barbee
NASA President



Editor's Thoughts

Hi! I decided to attend the January 7,8,9 AMA convention on Ontario, CA. I drove over early Saturday morning and cased the Expo. Being a control line—nitro guy it was slim pickings. I talked to several folks about the used of 2.4 gigahertz control for control line options and throttle. I bought the smallest servo, battery, and 3 channel receiver for experimental purposes. Talking to Nate Dickerson of Klass Kote I decided to use their new Military Colors 2-part epoxy system for this year's projects. I purchased gloss Sea Blue FS15042 www.klasskote.com. The Navy used the non-secular dark blue paint 1945 to 1958. I am refinishing a scale Tigercat to the markings and color of a Tigercat that the Kalamazoo Air Zoo restored and sold to a west coast pilot. Out of the blue (so-to-speak) the Kalamazoo senior curator, Greg Ward said he would not only send me a digital photo pack of about 70 photos, but take the left over paint used on NX700F and spray me an 8x10 plate. The care package came in a couple of weeks and plate, plane photo and chip all match. Talk about support for Scale modeling from museums and how to Wow the judges! More on this next month. I took in Tony Stillman's talk on flying sites. AMA has a new book out to support clubs and I am working with City of Phoenix on a major control line site—6 circles. Then I started getting calls from a buddy about the Tucson shooting. Gabby Giffords is a long time acquaintance who I had worked with in the AZ legislature. First she had died, and then that she was alive. The air went out of the AMA Expo. I got into my van and drove through the night to Phoenix and home.

US Navy Aviation Centennial at 2011 AMA EXPO

The AMA had a special presentation on the one hundred years of naval aviation by Commander Tom Huff. "Huffy" is deeply engaged in modeling and is a pilot at the Patuxent River Naval Air Station where the Navy does its aircraft flight testing. He started with the



Ely Flyer that pioneered deck take offs and arrested landings. The oft told tale of the Batter of Midway anchored the talk. He finished up with today's Navel operations and opportunities. Sea Cadets were out in force. I was a Sea Scout in the 1950's and it was my pathway to engineering school and success in life. John Wright displayed his Nats Corsair and his trophy pages from the Replica Nats issue. Another major speaker addressed the design—building—flying challenge of the Howard Hughes racer H-1 for the movie.

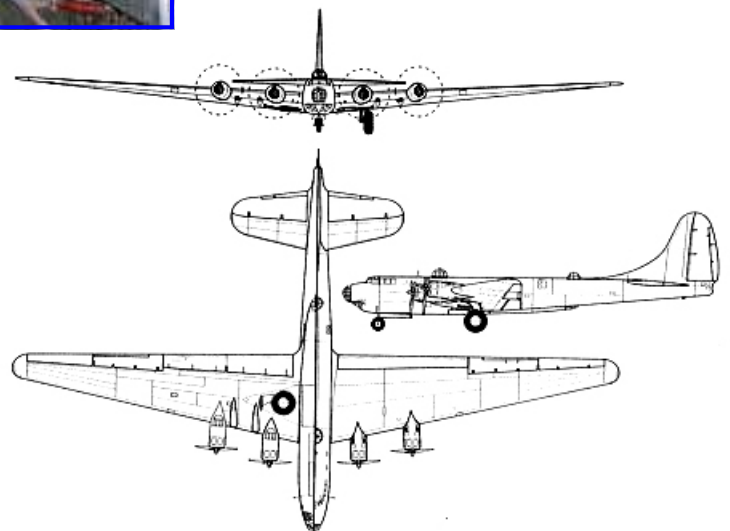


Big Four Engine Bombers

In December, the only flying B-29, FiFi, landed at Deer Valley airport for a Commemorative Air Force event. My uncle Geoff had been killed by a B-29 prop control while flying the Hump in WWII so I added this day to my bucket list. With actual trepidation (having vowed to never ride in a risky 60 year old warbird) I left before daylight for the 10 mile drive. I took with me a one inch bound copy of original material I had compiled on my uncle to give to the CAF library. Had a stunning 1/2 hour flight in the rear section goes from top/side gunners to tail gunner. The B-29 was transition aircraft. The huge single tires and inside cables and construction was straight out of the 1930's. Cabin pressurization and fire control (one gun controls all 50 calibers) was prelude to the 1950's. I will never forget my 10 minutes in the tail gunner's seat, looking at Lake Pleasant and shooting at trucks on the Interstate.

Members of NASA like George Maiorana and Ed Mason like to build show stopper airplanes heavies like the B-17, B-29, and C-133. My father, Harve Kraver was a crew chief at Wright Patterson AFB during WWII. One of the planes he worked on was the Douglas XB19. The

1937 concept was to test flight characteristics and design techniques of giant bombers. But it took 3 years to construct and to get to first flight test. Douglas wanted to cancel the project because of the expense. Meanwhile the XB-36 contract was underway. XB-19 lived out its life as a cargo carrier, and was scrapped in 1949. The US Air Force had plans to save it but they did not yet have an air museum. All that were saved were the two enormous 8 foot main tires. One is on display at Hill AFB in Ogden, Utah and the other at the AF Museum, Dayton



2011 AMA EXPO Ontario, California

Scale, Military, Propeller

1st Michael Valdez Hawker Typhoon



2nd Lawrence King Sikorsky S-29



2nd Wayne Valdez Mk IXE Spitfire



3rd Tim Albright Taube—German Air Mail



3rd Lawrence Kingberg Sopwith Pup on Floats



Scale Jet

1st Chris Wolfe Mirage III



Scale, Civilian Propeller

1st Brad Osborne Meyer Little Toot



Scale Helicopter

1st Arlo Watkins MH-53 Pave Low



Many other scale models were entered.



This builder was the only one I saw that spent a lot of time talking to visitors and telling of the role of his Hawker Hurricane in the Battle of Britain.



American Airlines DC-3



P-40 Warhawk or is it a Tommahawk



North American Bronco, OV10A



Stick and tissue flying scale was represented including the Martin MO-1,



Polish Newport



And Curtiss XO3C-1 high speed scout.



12 Inches to the Foot—Stan Alexander

There is a vast mix of civilian aircraft in the United States to model, if you take your time and look. Some are from the Golden Age of aviation while other are post WWII and modern aircraft. There are racers, transports as well as sport and business aircraft.

The Bellanca Company's history began in the 1920's here in the USA. In fact one model of the Bellanca was an aircraft that Charles Lindbergh tried to purchase for his N.Y. to Paris flight. The company's inventory of different models over the years isn't as large as Boeing or Lockheed but there is a good variety of different models that can make you want to take a 2nd look at their inventory.

Some of their models included the Wright Bellanca, the Pacemaker, Skyrocket, the Cruisair, Cruisair Senior, as well as our subject this month, the Cruisemaster. They also produced the Viking as well as one of the company's later versions the Citabria.

The model I've selected is sometimes called the "cardboard Connie" as it has the triple fins like the Lockheed Constellation airliner from the 1950s.

The last of the tail dragger Bellanca aircraft was the 14-19-2. The aircraft featured retracting main gear, which retraced straight back into the wing, leaving about half of the wheel sticking out of the bottom of the wing.

Still with a light structure and wooden wings the triple tail Bellanca could cruise at a comfortable speed for business types. Over the aircrafts 50+ year history it's been re-engine-ed with a variety of higher hp motors including the 260 hp Continental, which increased performance from the Franklin flat 6 which had a hp output of 150 hp.

For scale modelers the 14-19-2 has options like retracts and flaps as well as the option to install a lighting system. There are several great examples all across the country, it just depends on the paint scheme you want to pick out.

The full scale is equipped with brakes on the main gear as well. There is an opening right door on the cabin as well as a large luggage door on the starboard side of the aircraft. Color schemes are usually bright and colorful with contrasting colors which make them easy to see in the air, great especially for larger scale

models.

So if you want something with fairly simple construction techniques and a simple structure why not try the Cardboard Connie!

Check out Jerry Bates Plans for updates. A quarter scale model is available in plans. www.jbplans.com

Flying and practice: Well it's going to be contest season soon and there are many of us who haven't been out to the field due to bad weather this winter. So it might be a good idea to take that sport model out and see how if and how the thing still work. Your eyesight also might be a good thing to check either at home or at the eye doctors. Unless I'm mistake, none of us are getting any younger!

It's always good to have good hot batteries and know their condition before you go to the field. Also if you take more than one radio system to the field and they work differently (they all do don't they) it's a good idea to take the manual with you or have them in a pouch handy when you need them because you can't figure out why that switch won't work on the flaps!

Also its a good time to decide where your going to go this year for a contest or fly-in. They are scattered across the country, for some they are farther between and others are luckier than most as we have several in the area.

But having a good idea of what you have and where it's at is a good thing. For those of us who still work very, very soon we have to select our vacations, usually all of them. So there are decisions to be made.

See you there.





Join or renew NASA for 2011 today! Complete the following application (please print) and mail it to:

Bob Lirette, Secretary/Treasurer

NASA

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Make checks or money orders payable to: National Association of Scale Aeromodel-

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NASA is the **AMA Scale Special Interest Group** or (SIG) for the USA. We encourage Scale Contests, Scale Fly-Ins and work to promote and advance all phases of scale aeromodeling. Whatever your interest is, RC, CL or FF Scale, NASA has something for you! NASA is the official host of the **AMA Scale National Championships**, held in Muncie, IN. Held at the AMA Flying Site, we offer classes for RC, CL and FF scale competition. Interested in competing or judging? Contact a NASA officer or the Event Directors. Hope to see you there! If your interest doesn't include competition, fear not! NASA membership is still a treasure chest for any scale modeler or documentation scholar. Our **Scale Resource Guide** can provide you with many organizations, both government and private as sources of documentation and information. This **Newsletter** is published 6 times per year. New sources of documentation, building tips, contests updates, Scale News, FAI Scale information, 3-views are all available here for our membership.

NASA **Website** <http://www.nasascale.org> is a great source of information about upcoming events, documentation, museums, photos, contest results, a help section for scale modelers as well as down loadable score sheets for all AMA scale classes. NASA **Flight Achievement Award** is presented at NASA sponsored scale contests or fly-ins. This award is decided upon by a vote of the contest flight judges, by which subject best duplicates prototypical flight, taking into consideration the uniqueness of the subject and flight characteristics. For more information contact a NASA officer.



Sightings: Local flying field and local airport. Commemorative AF

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