



Browse the redesigned printed issue of *Model Aviation* debuting March 2012.

Swipe up to view the magazine.









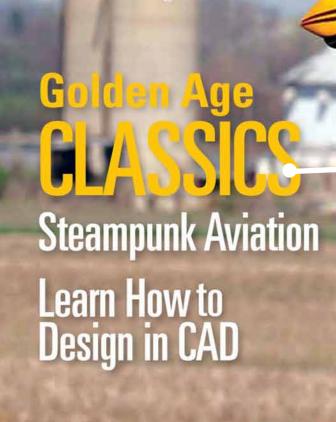
Updated, sleek logo.

Revised cover lines.

Large, clean cover art.

 Additional cover lines more than double the current design.





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Large, clean graphics.

Easy-to-navigate features and content.

Sleek footers/folios.



FEATURES

NATS 2011

The annual competition that has drawn pilots for 85 years. By MA Staff and NATs Staff

42 AMA's 75th Anniversary Celebration Four days of flying and fun for our members.

By MA Staff

Laser Cut Your Own Parts
Producing good videos may be easier than you think. By Fren Randall

Maynard Hill

A tribute to an aeromodeling pioneer and record holder. By Rachelle Haughn

REVIEWS

Great Lanie

Great Planes Stinger II ARF Lanier classic returns as an ARF and is

evaluated by its original designer.

By Jerry Smith

Hobby King Dassault Alpha
Figher EDF

A low-cost and fun-to-fly EDF jet. By Michael Ramsey

ON THE COVER

Rich Schultz flew this scratch-built Sikorsky S-62 in the 2010 IRCHA Jamboree Scale Competition. Rich works for the U.S. Coast Guard and flew on the full-scale Sikorsky.

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All features, news, and columns are rearranged and color coded for better flow of content.



Clean, large callout text.

Larger and cleaner typeface.



Ron is a prime example for us all!

It goes without saying, getting

volved in aviation is critical to

our next 75 years and Ron is a

prime example for us all!

Jour youth interested and in-

ummer is here and I sure hope you are getting to the field to enjoy some super flying! I've been trying my best to make it out to the field at least once a week, but somehow "honey dos," work, and AMA issues seem to crop up at the last minute.

So far, I'm pretty pleased with my flying—that's code for "I haven't broken anything yet!"

This past month I have been busy helping plan for AMA's 75th Anniversary celebrations. As I write this column it is early June, but I am confident all who join us for our celebration will have an outstanding experience.

I want to express my appreciation to the staff members who are putting a ton of time and energy into the celebration so that AMA members can enjoy the

event. It has

be gratifying
to see how
Bill Pritchett,
Chris Brooks,
Jeff Nance,
and their
teams worked
together along
with others
on the staff

to coordinate our 75th anniversary celebration. Of course, this is all under the leadership of our new executive director, Dave Mathewson.

Assuming the responsibilities

CAMA president has given me a
new appression for the talent and
dedication of our staff. I anticipate that
we have seen just the beginnings of
what Dave and our staff can do for us.
I have been in close contact with Dave
to ensure his transition into his new
position is as easy as possible.

My wife, Ruth, and I have made several moves throughout the years to various places in the US, but Dave hasn't. He confided to me that he has had a tendency to hoard things for the past 30 or so years, and thus packing was a bit burdensome. I will continue to work closely with Dave and his wife, Ginger, to get them settled into their new home in Muncie, Indiana.

I hope you are regularly checking out information on our Government Relations website as we had a flurry of activity over the last couple of weeks. What, you don't know where to find it?

It's really simple—just go to our home page located at www. modelaircraft.org and look for the official-looking government capital building and move your cursor over it and you will notice that it is a hot link. Simply click on the building and there you go!

I was duly impressed as to how fast our Director of Public Relation and

> Development, Chris Brooks, and Rich Hanson, our Government and Regulatory Affairs man, responded to the article in the Smithsonian publication Air

and Space magazine. Chris, Rich, and Dave worked tirelessly to craft a letter for my signature to the editor which put forth our concerns about unsafe flying.

You can appreciate that this a critical time for model aviation with the impending FAA regulations. I assure you that the AMA staff and Executive Council members are vigilant in doing everything possible to ensure we will continue to enjoy our beloved hobby for another 75 years.

I am to have the honor of making two very important presentations. My local club, the Hot Springs R/C Flying



Club, has worked hard to achieve the Gold Leader Club status. As many of you probably know, only a small percentage of our clubs achieve this level and I urge you all to join them!

Additionally, this club won a Flying Site Assistance grant to further enhance its site. I urge you to take every opportunity to elevate your club's presence with the community stakeholders. The Hot Springs club plans to accomplish this by inviting several local dignitaries to the awards ceremony and present them with the awards so that the plaques will be proudly displayed to the public.

My second presentation will be awarded to Ron Hubbard, a teacher at Bryant Middle School in Bryant, Arkansas, who has done an outstanding job teaching his students graphics and science using model aviation. The ceiling of his classroom is covered with beautiful models of all sizes and shapes.

AMA's Education Director Bill Pritchett has more on this remarkable man in his column on page 68.

It goes without saying, getting our youth interested and involved in aviation is critical to our next 75 years and Ron is a prime example for us all!

Enjoy the summer and I look forward to flying with you!

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Ray Nemovi fulfills dream despite a life-changing accident

by Aaron "AJ" Seaholm aseaholm@gmail.com

i and welcome back to the helicopter corner of MA. August is a big month in the helicopter world. I hope all of you can make it out to the biggest event in RC. It is the International Radio Controlled Helicopter Association (IRCHA) Jamboree. It runs for five days beginning August 10, 2011, and ends on August 14. If you have ever thought about going to this great event, this is the year you should make it.

I think you will enjoy reading what our guest this month has to say. He is quite a special individual who has overcome many obstacles in his life. Let's give our friend, Ray Nemovi, a very warm welcome to our pages. I have known Ray for 10 years and we met at the IRCHA Jamboree.

MF: Can you give us a basic bio, Ray? Your name, age, where you live, marital status, helicopters vaou fly, sponsors, etc.?

RN: Ray Nemovi, 36 years old from San Diego, California. I'm still single.

I fly a T-Rex 700N converted to electric using a conversion kit I made several years back, which is powered by a 1915-series 1.5Y Neu in-runner electric motor and Castle Creations Phoenix Ice 120 speed controller governed at 2,000 head speed.

I recently decided to switch my radio system completely to Futaba so I could take advantage of the Serial Bus

PLUS:

- > Kansas city Radio Control Association Spring Race
- **Southern California** Electric Formula 1 Pylon Race
- Racer Lonnie Finch



system, which makes wiring clean. I also wanted to use the new CGY 750 flight control system and I'm very happy to have made the decision this close to the Extreme Flight Championships (XFC). My sponsors are Castle Creations, CY Enterprises, Neu Motors and Pure-Tech Products, but mainly my own company, Magnetic Energy Propulsion.

MF: How long have you flown helicopters and what drew you to them in the first place?

RN: I've been flying model helicopters for more than nine years now. I was drawn to the helicopters because as child I dreamed of being a pilot.

I was involved in a skydiving accident on Labor Day of 2000. I was just going pro when I had a parachute malfunction. I was paralyzed and doomed to a wheelchair. I suffered a very bad injury that severed my spinal cord and also many other internal injuries.

I remember seeing HobbyTown USA one day coming back from the hospital and I decided to go check it out and find something to help keep my mind away from the pain and the life-changing accident. This was the beginning of the journey that has led me to this point in my life.

MF: What aspects are the most exciting to you in the hobby?

RN: Model helicopters are exciting because of the level of difficulty involved. For many people it may be a toy, and as long as you can make it do tricks, it is cool. Just like many other hobbies and sports, most people enjoy the use of it.

There are also those who want + 50 the extra mile and chall age themselves. You can clear, see an artist at work with sor or the pilots and their machines. The model is an extension of their coordination and imagination. Just being able to step up to the flightline with my fellow pilots brings me much excitement.

MF: Why do you like to compete? RN: I like to compete because I like the challenge. I'm one of those guys who has been told I can't do something or I'm not good enough. I was told I'd never walk and I've been told I'm not that good of a helicopter pilot. I could have packed my bags and thrown in

Color-coded tabs and headers to represent different sections.

Larger text and more creative use of column spacing.

Larger, cleaner photos and captions.



Continuation of coded tabs and headers.

Large photos and easy-to-read captions.

Large callouts, text, and column spacing.





A Golden Age of Aviation classic for gas and glow power II. There is no other era in which aircraft design was so elegant, sophisticated, and simply stunning. The names roll off of any enthusiasts' tongues; they include Beechcraft, Curtiss, Monocoupe, Travel Air, Aeronca, Cessna, and so on.

However, when it comes to biplanes that list of names shrinks substantially. And a small firm in Troy, Ohio (the Waco Aircraft Company), designed and manufactured a beautiful biplane named the YMF-5.

The review kit is based on a YMF-5D that the WACO Classic Aircraft Corporation (Battle Creek, Michigan) is currently manufacturing. With a wingspan of 72 inches, this model comes in at exactly $\frac{1}{2}$ scale.

First Impressions

It had been quite a while since I had the chance to review one of Great Planes' big scale ARFs, and I was looking forward to this one—not only because of the subject, but to see how these models had progressed in design and techniques. I thought it should be a fun project!

After opening all the packaging, I found that Great Planes had not only furnished the kit but an engine and flight pack to go with it. The power plant isn't what would have been my first choice because it was a two-stroke.

I would normally choose a four-stroke for power, but we'll see how this goes. Besides, the Great Planes also included a Bisson Pitts muffler for the size of mount.

When I opened the kit, I saw that everything was bagged and sectioned off to protect it from the rigors of shipping. Then there's the tape—miles of clear packing tape holding everything in position. I'll bet I spent a good 15 minutes carefully removing tape from the bags and packaging!

When I examined the pieces, I was quickly overcome by a wave of yellow. There were many parts in this kit, and all were either covered in yellow Top Flite MonoKote or painted a matching yellow.

The color scheme also included black trim with red pinstriping. Some of it was

modelaircraft.org/aboutama/gov.aspx. The information is updated frequently so it's important that you visit regularly.

You'll notice there is a new feature beginning in this month's MA. AMA expends many resources and much effort in advocating for our members. We have represented our membership before a number of federal government agencies including the FCC, the FAA, the Department of Homeland Security (DHS), and the Environmental Protection Agency (EPA), as well as a number of state and local government agencies.

Many of you have noticed and commented on how nice the road resurfacing at the IAC came out. The runways at the L-Pad and at Stage Center were also sealed and re-marked in advance of this summer's Nats and the 2013 FAI F3A World Championship for Aerobatic Model Aircraft.

The roads were put in in the early 1990s and have received very little maintenance since that time. The funding for projects such as this comes from for this project were covered by donations from members that were earmarked specifically for site maintenance.

Beginning July 24 and running through August 2, AMA will be hosting the FAI World Championship for Aerobatic Model Aircraft. Thirty-four countries from around the world will be sending teams to compete.

During this same timeframe, the Ninth Jet World Masters (TrvM) will be held a short up down Interstate 70 * Le National Museum of the U.S. Air Force in Dayton, Ohio. This is another event that will attract pilots from around the world and feature some of the best jet flying you will find anywhere.

The JWM runs from July 24 through August 6. If you attend, plan on spending some time visiting the museum. The museum houses more than 400 aircraft in excess of a million square feet of exhibit space and every era of aviation history is displayed.

See you next time.

VIEW FROM HQ By Dave Matthewson, AMA Executive Director

Announcements, news, and information from the Academy of

Model Aeronautics and the elected district representatives

Achievements Virtually Unmatched



odel aviation and AMA lost an icon and legend on June 7, 2011, with the passing of Maynard Hill.

Articles about Maynard, highlighting the significant accomplishments he accrued throughout his career, appeared in many of the major newspapers across the country including The Wall Street Journal, The Washington Post, The Boston Globe, and The New York Times. Clearly this is a testament to what he meant not only to the aeromodeling community, but to the entire aviation world.

It would take several columns to detail everything that Maynard did throughout his career, but his feats will no doubt be documented in every model aviation-oriented publication, including MA.

On behalf of AMA's 140,000 members, I'd like to extend our heartfelt sympathies to Maynard's wife, Gay, and

On the surface it may appear that the FAA's effort to regulate small

unmanned aircraft systems (sUAS) has hit a lull. I can assure you that although it may appear that way, this is not the case. Behind-the-scenes work continues as AMA's Model Aviation Workgroup meets by conference call for several hours weekly as we continue to develop a set of model aviation standards that, once adopted by the FAA, will allow model aviation to continue in the future much as it has in the past.

Representatives of the FAA's Unmanned Aircraft Program Office (UAPO), James Sizemore and Lynn Spencer, attended the AMA's general membership meeting held at the Joe Nall Fly-In in May. They participated in an open forum similar to what we did at the AMA Expo in Ontario in January.

The question-and-answer session that took place was very informative and answered many of the common questions that our members have been asking in the last several months. A video of that forum can be found on AMA's website at www.modelaircraft.org/amatv.aspy

As I wrote in my last column. ... the Notice of Proposed Rulemaking (NPRM). that will detail the proposed new regulations that will affect sUAS, has been pushed back until later in 2011. It's important that our members, and all model aviation enthusiasts, continue to monitor the NPRM's progress and be prepared to react once the NPRM is released.

Providing input in response to an NPRM is a right afforded to all Americans and it's important that we take

Now full color throughout the entire magazine.

Color-coded tabs and headers to aid in naviation.

Larger, cleaner text.

