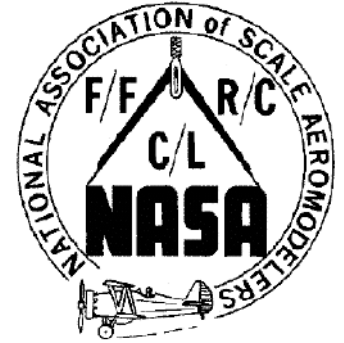
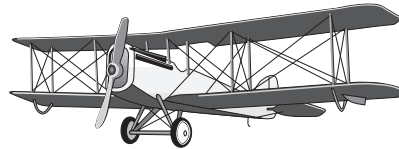


REPLICA

MARCH
APRIL
2004

Newsletter of the National Association of Scale Aeromodelers (NASA)

PRESIDENT'S NOTES



MEMBERSHIP RENEWAL!

For those who haven't renewed this is your last newsletter. Send to: Bonnie Rediske Secretary/Treasurer, 128 Darnley Dr., Moon Township, PA 15108

MEMBERSHIP PARTICIPATION CONTROL LINE AND FREE FLIGHT

Ok here it goes - under this column you will see the NASA Scale Championship Rally and it was designed by our Web Master Ed Clayman for R/C Sport Scale here in the USA. We have had a few modelers who are interested in both Free Flight and Control Line Scale competition who want to start these for both CL and FF scale also. All I can say is **GREAT!!!!** You've talked the talk (the easy part), now walk the walk (actually doing something about it).

Being the NASA President has varying degrees of frustration associated with the office and I accept that. **One** of the biggest frustrations I've had in the past (and still do) is the amount of participation of some of the specific groups we work for, with the AMA Scale Contest Board, the National Championships as well as with the AMA Executive Council and especially the AMA Competition Department. Our newsletter editor, Mark Lanterman and Web Master, Ed Clayman rarely receive information on F/F or C/L scale models, events, or anything else on these important areas of scale modeling. **Why?** I've heard all the excuses, some legitimate, some are the same ole similar lines, while trying to nudge, push, pull, encourage, motivate, reward, or otherwise promote the different disciplines of scale modeling. After all it is easier to sit back and criticize and do nothing.

C/L Scale is in danger of becoming extent in the next 10 years if we (**and I do mean "We"**) don't do something very soon. The NASA Scale Championships Rally is a great idea that could also promote C/L Scale competition around the country. What scares me right now is how many CL scale modelers are participating now. If not why? We have the newsletter as well as an excellent website for all three F/F, C/L and R/C scale venues. But I know particularly with C/L scale modelers

they are a secretive bunch of guys, no I'm not kidding. I've asked, begged some to write about it for *Replica* but receive little or no photos or hints/tips on building. A few have actually told me they "don't want to give up any of their secrets" and guys that's a load of stuff. If you want to ensure that this form of scale modeling goes away - the way is perfectly clear! **Keep it up.....**

A recent conversation with an individual who has in the past been active in one of these forms of modeling competition came to me with much the same sentiment. *"Well nobody would help to give me the unknowns of scale competition and I had trouble finding the rules and regulations."* I don't even want to hear that hockey puck! If you don't know the unknowns of scale competition you probably haven't been involved and aren't trying either. It just takes a few questions and being persistent.

If you don't like the current AMA scale rules for your particular venue or mode of control or lack there of free flight, contact your scale contest board member and work with them to change the rules. AMA is going to a two-year cycle now instead of the three-year cycle and have new policies which should speed up needed changes in the Competition Regulations which will be effective for 2005-2006. **So if you want to make a change for the 2007-2008 rules cycle, NOW!!!** is the time to start working on those changes for the rules cycle. If you would like to work on this within a committee, contact NASA. Free Flight Scale needs this very badly. Let's use the NASA website and the newsletter and get the word out. If you are interested in chairing a committee to work on rules or want to hold a contest, contact the NASA Officers, Newsletter Editor, webmaster etc. and crank it up! The worst thing we could do is to just sit there with another cup of coffee and do nothing. If there isn't a C/L or F/F contest in your area why not hold one? NASA will help you promote it through the website and newsletter, as well as offer mailing costs at a lesser rate than you can get at the Post Office through bulk mailing. But you need at least 200 pieces which with the current NASA membership and a mailing list should be no problem.

Continued on page 2.

NASA OFFICERS

PRESIDENT

STAN ALEXANDER
3709 Valley Ridge Dr.
Nashville, TN 37211-3831
F - 615-459-4421
onawing@mindspring.com

VICE PRESIDENT

DALE ARVIN
3428 Jeff-Charlestown
Jeffersonville, IN 47130
T - 812-284-0162
darwin8094@aol.com

SEC / TREASURER

BONNIE REDISKE
128 Darnley Dr.
Moon Township, PA 15108
T - 724-457-1730
RediskeJB@AOL.Com

EDITOR - REPLICA

MARK LANTERMAN
5655 David Place
Fairfield, OH 45014
T - 513-829-4060
F - 513-829-4065
mark@airbornemedia.com

PRODUCTION EDITOR

E. ELLIS KASTER
3250 E.15th St.
Casper, WY 82609
307-265-6158
Ekaster@trib.com

Continued from page 1.

It takes time and a great deal of planning to make this come off. I like to say **"Plan Your Work and Work The Plan"**. More often than not this does work.

It's no secret that we are an aging society across the United States and from the amount of gray, white and bald modelers I've seen at recent contests, I would have to say that this is accelerated in modeling in general, which scares the "bejebbers" out of me to a great degree. ARFs have had a great effect on our modelers, no doubt in R/C they have kept the hobby alive in a time where time just isn't there for most people. But if we want to make sure we continue to have scale contests we all need to work together.

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FAI SCALE TEAM SELECTION COMMITTEE

District I

John Buckley, 65 Devens St., Marlborough, MA 01752-2207

Phone 508-481-0955

District II

George Buso, 11 Maple Ln., Hyde Park, NY 12538-1223

Phone 914-229-2371

District III

Ed Rhoads, RR 1, Box 31 D Washburn Rd., New Milford, PA 18834

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District IV

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District X

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Phone 415-447-4505

District XI

Ed McCullough, P.O. Box 13090, Portland, OR 97213-0090

Phone 503-234-4439

**As listed in the April 2004 Model Aviation Magazine*

We are betting the farm that not all of these are correct but we will update this and post it on the website as well as in future newsletters with phone numbers and e-mails.

PASSING

While writing this column, I received a call from Mike Welshans. Mike relayed to me, the early passing of **NASA member George Kite**, who served as both a judge as well as the event Director for the past two years at The Scale National Championships. George evidently had a stroke while driving his car and didn't survive. His family has our sincerest sympathy. He will be missed by all of us. Details are not available at this time.

FAI UPDATES!

72 volts for F4C scale models PASSED! Beginning January 2005.

33.033 lbs. PASSED for F4C Models! Beginning January 2005 * here in the USA we can currently run all FAI class events up to 33.033 lbs. or 15kg.

NASA'S SCALE CHAMPIONSHIP RALLY

What the heck is it and why? R/C, C/L, F/F

The idea of this National Scale Rally is to increase participation in Scale Contests around the country. Have you been to the NASA website lately? The idea is to compete in at least three AMA sanctioned scale contests and have the Contest Director fill in data and mail your form in from the website in your self-addressed stamped envelope. The Contest Director completes and signs the form, mailing it to the NASA address on the form. Registration and score entry forms become the sole property of NASA and cannot be returned.

For a master copy of each form contact: NASA, C/O Ed Clayman, 16115 Espinosa Dr., Houston, Tx 77083

Current AMA members can register using an automated registration form found on the NASA web site. Look for this in the newsletter also. For the first year we are concentrating on the R/C classes. We would also like to start up classes in C/L and F/F Scale also, but this is still in the works and we will be asking for input from members in those specialties. Go to the NASA website at: www.scaleaero.com/amascale.htm. Of course you can compete in a 4th event during the year or additional events. Doing so will drop points earned from the first submission we receive for your tally.

The NASA web site composition is like an FBO (Fixed Base Operator). You will find piloting and construction, finishing resources in the Technical Services section of the site.

Classes for the National Scale Championship Rally include the following:

- #522 Team Scale
- #515 Designer Sport Scale
- #512 Expert Sport Scale
- #511 Sportsman Sport Scale
- #520 Fun Scale

Rally tallies will be displayed on the website for the duration of the 2004 National Scale Championship Rally, so you can see where you stand in this national event.

What are the awards if you place in the top three? Let's see, look for awards of participation for each entrant. Also look for sponsored awards from companies in the hobby and outside the hobby who are interested in participation in aeromodelling at the conclusion of the calendar year.

So why not enter today?

THE SCALE NATIONAL CHAMPIONSHIPS

The frequency split for the Scale Nationals is in again this year and from the looks of it we will have this from now on. **So be advised.**

The following frequencies are authorized for Scale use. Narrow Band Transmitters/Receivers are required.

11	22	31	41	50	53.8	03	V/Bk
13	24	34	43	52	55	04	
16	25	35	44	53.2	56	06	
18	28	37	46	53.4	59	07	
19	30	40	49	53.7	00	Y/BK	

If you've been before it's much the same with some additional perks. If you haven't been you and your family are missing a treat and a great family time together.

AMA/NASA/FAMILIES

We do plan to include the half-time family activity like we did this past year where Sponsor **Balsa USA** brought their factory show team out and helped and instructed kids with hands on experience on flying scale models with a Sopwith Pup. Everyone had a blast! Do you have other ideas for the half time activities?

Fair Skies & Tail Winds,

Stan Alexander



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NATS Horizon Center Indoor R/C Meet

June 25, 2004



INDOOR R/C FUN SCALE

This event will be flown in accordance with AMA rule book event #520 RC Fun Scale, with the following exceptions.

Model Requirements:

1. Open to modeler-built or factory-built models. In other words, no builder-of-the-model-rule! Factory-built ARFs (like the GWS Tiger Moth) and team-built models can be flown in Fun Scale. Also, "profile" fuselage (road-kill series) airplanes are allowed.
2. Models must be powered with electric, CO2, or compressed air motor(s). No other type of power plant is permissible for indoor flying.
3. Models shall weigh no more than 12 ounces ready for flight, including fuel or batteries.
4. Maximum wing loading of the model, ready for flight, shall not exceed 6 ounces per square foot.

Scoring:

1. Static scale score will be zero (0) to five (5) points. Five (5) scale points will be awarded to contestants who show proof that a full-size airplane of this type, and in this paint/markings scheme, did exist. Proof is limited to a single 8-1/2x11 sheet maximum. Proof can consist of as little as one photograph, profile painting, or plastic model kit box. If the photograph is b&w, other written documentation of color is required also. If no proof of existence is shown, no scale points will be awarded.
2. Flight rules are the same as for R/C Sport Scale. The contestant will fly ten (10) maneuvers; five (5) mandatory and five (5) optional. The mandatory maneuvers are: Takeoff, Figure 8, Fly Past, Landing, and Realism In Flight. The optional maneuvers can be any flight maneuver or scale operation typical of the subject aircraft. All maneuvers will be scored 0-10 points. Maximum possible flight score is 100 points.
3. The contestant's score shall be the total of the static scale points (5 points max.) plus the average of the best two flight scores (100 points max.).

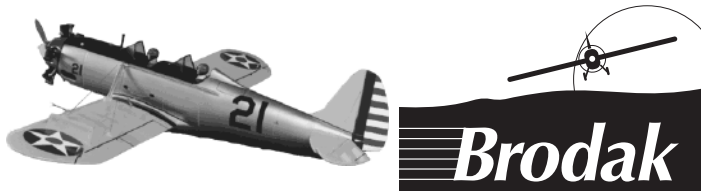
Maneuver Descriptions:

Because of the size restrictions that indoor flying naturally imposes on the flight of a model, some of the maneuver descriptions in the AMA Radio Control Scale Flight Judging Guide (page 169 of the 2002-2004 AMA Rule Book) may be altered slightly to fit the size of the facility. For example, the Judging Guide says that the Fly-Past should be flown between 10 - 20 feet altitude for at least 5 seconds. We will change that to 5-15 feet altitude for a distance of at least 25 feet. Other maneuver descriptions in the Judging Guide that may need to be adjusted are Straight Flight Out, Straight Flight Back, Flight In A Triangular Circuit, Flight In A Rectangular Circuit, and Traffic Pattern Approach To Landing. These maneuver descriptions all contain references to distances that are not practical for indoor flying. If you intend to do any of these maneuvers, be sure to attend the Scale Pilot's Meeting before flying starts so that we can discuss changes in maneuver descriptions.

Mike Gretz

mikeg@sigmfg.com

THIS JUST IN...



While we were at the Toledo show, John Brodak was kind enough to donate one of his best scale kits, a Ryan PT-21 designed for CL Scale, as a prize for a category winner at the 2004 AMA Nationals.

Many thanks for the continued support from Brodak and helping us out with the Nationals again this year.

Mike Welshans

CL Scale Event Director - Mbwelshans@aol.com

A FAMOUS SR-71 STORY...

The Los Angeles Center reported receiving a request for clearance to FL 60 (60,000ft).

The incredulous controller, with some disdain in his voice, asked, "**How do you plan to get up to 60,000 feet?**"

The pilot (obviously a sled driver), responded, "**We don't plan to go up to it, we plan to go down to it.**"

He was cleared...

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FROM THE FIELD...

We received a few photos from Mike Welshans of some of his latest models. Most were built for FAC events but not all.

Cessna C-37

Span: 16"

Weight: 14 grams

Event: FAC Dime Scale



Fokker D.VII

Span: 24"

Weight: 50 grams

Event: FAC or AMA

Rubber Scale



Martin M01

Span: 16"

Weight: 12 grams

Event: Event Local Club

Mass Launch

(last one down wins)



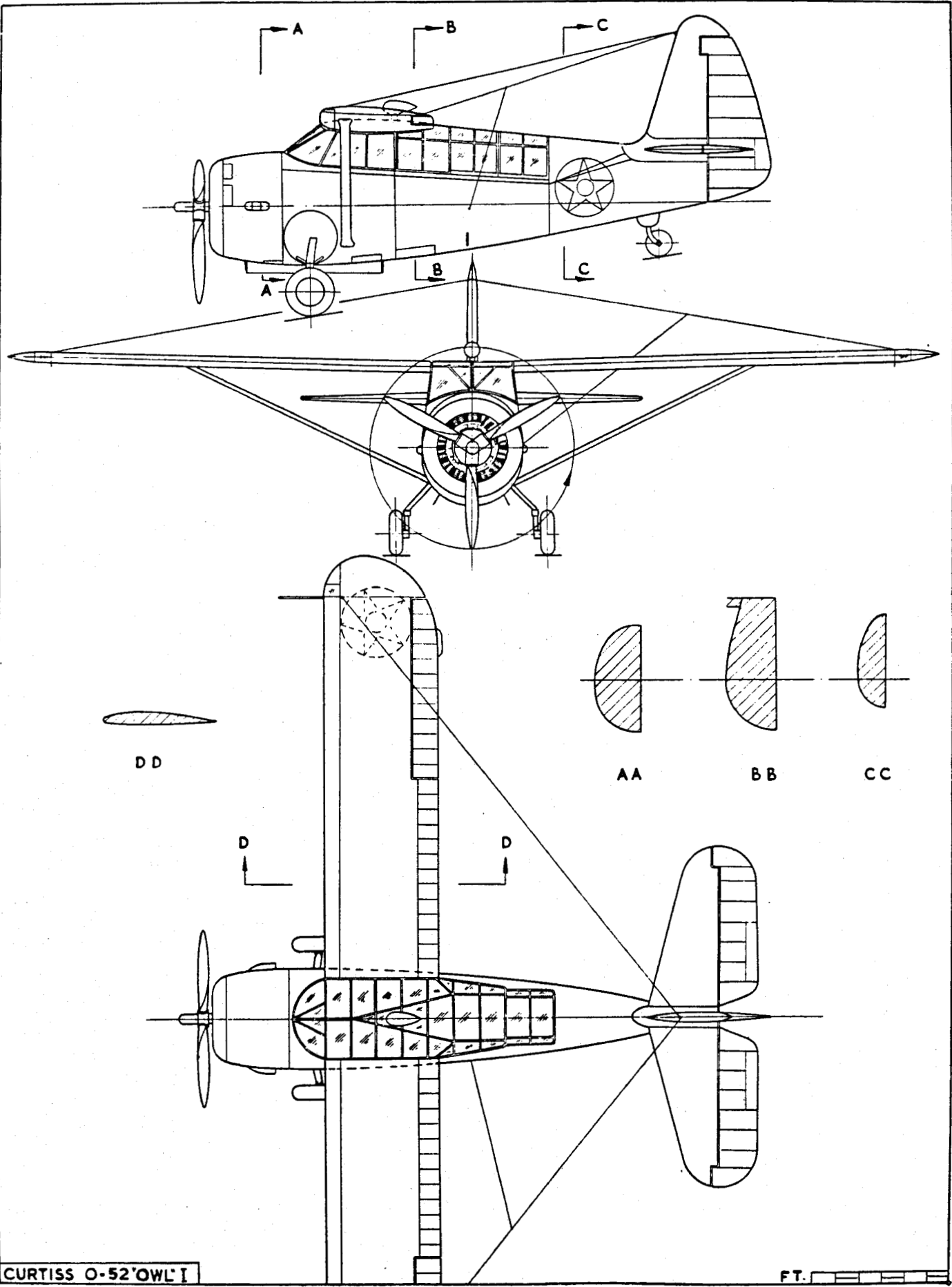
Howard DGA15P

Span 50" / Weight 8 oz / Event FAC Giant Scale

This model has removable wings and struts held on with tiny earth magnets that pop off in case of rough landings. Prop is 16" by 16 pitch.

Mike Welshans

Mbwelshans@aol.com

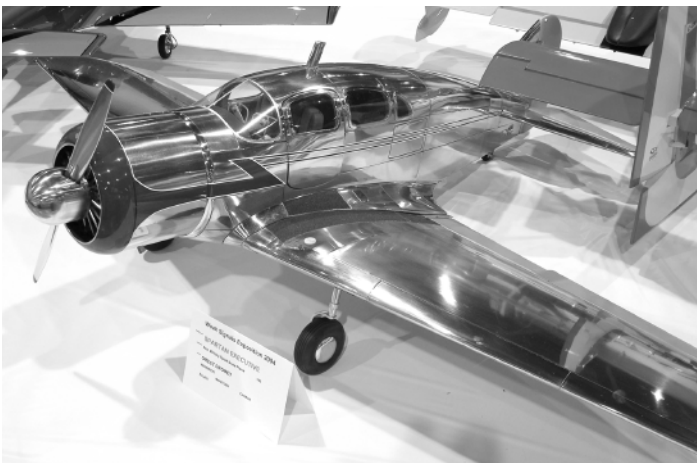


WEAK SIGNALS SHOW (TOLEDO) 2004



NASA Booth.

Thanks to all who helped man the NASA booth during the course of this year's show. We had a great crowd all three days and were glad to meet old friends, as well as make new ones.



Spartan Executive, Non-Military Sport Scale Plane
Orest Drobey; Winnipeg, Manitoba, Canada



Canadair, Non-Military Sport Scale Plane
Ted Barrette; Oshawa, Ontario, Canada



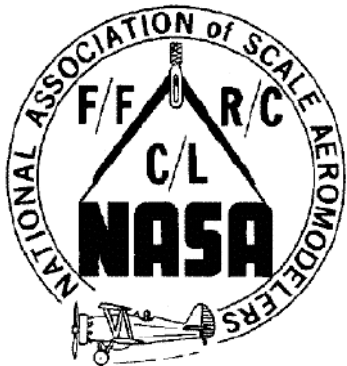
Douglas SBD-5 Dauntless, Military Sport Scale Plane
Tom Pierce; Newark, Ohio



Sopwith Snipe, Military Sport Scale Plane
Robert Copper & Paul Knapp; Savannah, Georgia



Vought OS2U Kingfisher, Military Sport Scale Plane
Dave Platt; Palm Bay, Florida



In This Issue:

- **Renew your membership!**
- **Curtiss O-52 Owl 3-view**
- **NATS 2004 Indoor R/C Scale Info.**
- **Toledo 2004**
- **The Latest in Scale News.**

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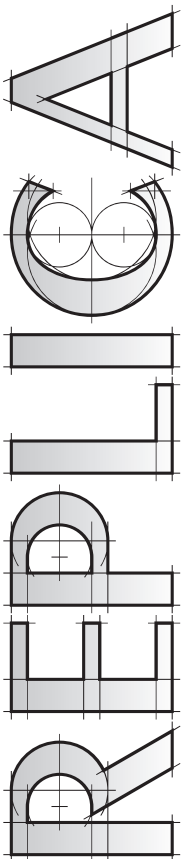
Address: _____ **AMA #** _____ **NASA #** _____

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State: _____ **Zip:** _____ **Country:** _____

Area of Interest: Free Flight Control Line Radio Control Giant Sailplane Electric

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