

Volume 34
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2010



REPLICA

Newsletter of the National Association of Scale Aeromodelers [NASA]

FLASH NEWS from the
National Air-Model Meet



Pre-NATS Edition

Call for NATS Awards

NASA is all volunteer and your faithful leader-group can not do it all. We have a number of merchandise donations (kits, radios, balsa, etc.) for the NATS prizes but could use more. Contact Mike Barbee or Stan Alexander if you can help: onawing4602@att.net.

NASA all to action:

**Get
Thee
to the
NAT's**



Scale Contests-Events

NATS

July- Muncie, IN
CL, RC 9, 10, 11

August - Muncie, IN
FF Outdoors 4, 5, 6
RC Sailplane None
RC Helicopter 8, 9, 10,
11, 12

September Rosewood, IN
31st Annual U.S. (RC)
Scale Master Championships,
15-19

Hi. Indoor and Outdoor
FF folks! I need to have
you send me your
choices for the top annual
events where scale
is flown. I need to keep
the balance with RC and
CL Ted the eD
and stranger in strange
land of Indoor and FF.

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Vacant, need volunteer.

Advertising

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1 issue and 6 issues:

Full page	\$65	\$270
1/2 page	\$45	\$180
1/4 page	\$30	\$150
1/6 page	\$25	\$120
1/10 page	\$15	\$70

Member "want ads" of limited length - one time at no cost.



President's Message Mike Barbee

You can email me at:
Mabarbee@aol.com

Mike is heavily engaged with his Nationals crew as they work to create another great experience in less than three weeks from now. Our officers, past president Ed Terry, and a number of other volunteers are setting up awards, tee shirt printing, arranging the banquet and auction, and most important the static and flight judging.

Mike's NASA team also includes Stan Alexander and I taking pictures and writing the **NATSNEWS**. Stan covering RC and I am do CL. The first edition is a Pre-national's that will be published just before our July 9th static judging day. The rest follow on a daily basis. Stan and I take a lot of pictures and notes during the day. Then in the evening we sort out the 10 or so best pictures, write captions, write a 150 to 300 word after action report and be sure to drop the thumb drive off to Liz Helms at AMA early in the next morning. We also try to fly a little, chat a lot, and get some sleep.

There reason that the NATSNEWS is so important for NASA and RC-CL scale is that it is available for all AMA members on the AMA web site:

<http://www.modelaircraft.org/events/nats/natsnews.aspx>

and printed and distributed at the AMA museum. NATSNEWS is viewed by many 10's of thousands of modelers, where our Newsletter Replica may only be read by a couple of hundred. You that can't make it this year, check out the NATSNEWS, get motivated, and we will see you in 2011. Ted the eD

Editor's Thoughts Ted Kraver

Keep those news pieces &
article contributions coming in.
tkraver@qwest.net

Hi guys and gals,
This issue features the Toledo Show and getting ready for the NATS. Technical Aviation Model Services seems to be "find" for scale source material. Check it out and let me know what you discover.

Our July-August issue will cover the NATS and you can see some of the photos Stan and I shot for the NATSNEWS which did not make the cut. Then I would like to take a deep dive into documentation.



Getting ready for the NAT's is a challenge. I am flying in 4 CL Navy Carrier events, I am Secy/Treas of the NCS, and I am to cover for district 10 at the PAMPA stunt meeting—although I am a non-stunt flyer. My scale preparation will go down to the wire. On July 5th I drop a big white box at the

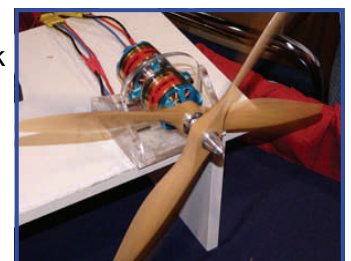


Greyhound bus station Phoenix. My Atomic Orange fun scale ARF OV10A won 2nd at the 2007 Nationals. I

decided to re-Monocote in 1960/70's Marine colors. I took out the 3 wire system control and install Bill Young electronics. Along with throttles and swing open cargo door, I have installed Spring Air retracts. I also upgraded the cockpit with a kit from ScaleTech. My big goof is that the dark green Monocoat is way off from the "British" dark green needed. So off to the 4-0 steel wool, masking tape and the spray gun.



The G.A.L.-38 Fleet Shadower has smaller tanks, engine shutoffs, flaps, and is having a total makeover on the cockpits and paint. Maybe even brakes. In August I will get back to building my sports scale SBD Dauntless with retracts, etc. But Pogo challenge is still out there with the HIMax counter rotation motor from the Toledo Show.



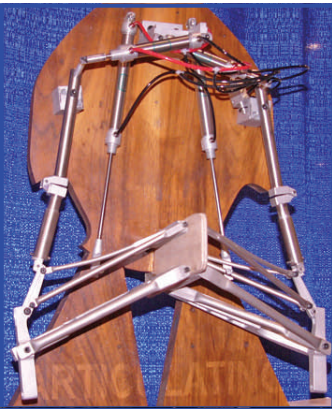
Category	Model Name	Name	City
Best Finish Film	EXTRA 300L	MARK BOGUSZEWSKI	BEAVER FALLS, OR
Best Finish Paint	LAUNCH CURLEW	JACK KIPFER	WATERLOO, ON
Best of Show	F-16C AGGRESSOR	GRAEME MEARS	WOODBIDGE, ON
Designer Scale	1st -SE5 A	BRIAN PERKINS	KINGSTON, ON
	2nd - BULLDOG	DAVID R. PLATT	PALM BAY, FL
	3rd - ME 262	HAL PARENTI	WESTCHESTER, IL
Helicopter	BELL 47G	MIKE ROSE	ST JOHNS, MI
Jet Plane	A-10 WARTHOG	JOE GRICE	NORTHFIELD, MN
Military Sport Scale	F-16C AGGRESSOR	GRAEME MEARS	WOODBIDGE, ON
Non-Mil Sport Scale	1928 FORD TRI-MOTOR	DON HEINZERLING	PORT CLINTON, OH
Vintage Plane	STERLING P-63	DAN GROTZINGER	INDIANAPOLIS, IN

**TOLEDO
WEAK
SIGNALS
RC
EXPO**

INDOOR NATS RESULTS

Coconut Scale		Time
Robert Stevens	Plage-Court Torpedo	1:56
Tim Lavender	Miss Grand Rapids	1:29
Val Thomas	Piper Vagabond	0:42
NoCal		
Larry Loucka	Hosier Fury	6:30
Walter Collins	Chambermaid	5:10
H Diebolt	Hosier Fury	4:21
Roald Tweet	Piper Sky Cycle	2:03
Robert Boyd	D.H. Beaver	1:58
Del Ogren	Cessna CR-3	1:33
William Odell		0:25
William Lyons	Monocoupe	9:25
WWII Military		
Larry Loucka	Landed last	
Tim Lavender	Landed first	
Modern Civil Production		
Robert Stevens	Bellanca	259
Kenneth Johnson	Cessna O-1	182
John Odell	Great Lakes Trainer	84
Dime Scale		
H. Diebolt	B.A.T. Monoplane	360
Robert Warmann	Arado	310
Katie Bosman	Stinson	170
Tim Lavender	Lloyd CV	149
George White	P-6e	139
William Odell	Cessna	124
Roald Tweet	S.E. 5	89

The Toledo vendors had some amazing stuff. If you really want to impress us with your next tail dragger model, how about a Grumman Wildcat F4F retracts system for giant scale. This air actuated system really works. Just have to scale it down a bit for Dennis Frieselatif normal scale F4F.



Vailly Aviation — Roy Vaillancourt (www.vaillyaviation.com) was showing his pilots and his new Cessna L-19.



Century Jet Models had a new P-40E giant scale kit. (www.centuryjet.com).

Jet Central displayed their (www.jetcentralusa.com) Rabbit with 3.5 inch dia, 2.2 lb turbojet with 19 lb thrust



FAC Scale		Scale	Bonus	Flight	Total
Val Thomas	Piper Vagabond	62.5	63	40.5	166.0
Robert Stevens	1911 Voisin	57.5	30	49.0	136.5
Katie Bosman	Douglas SBD	59.0	10	39.0	108.0
Sorin Slater(JR)	Pilatus Porter	56.0	0	38.0	94.0
Paul Grabski	Lincoln Beachey	48.0	5	26.0	79.0
Greg Thomas		62.5	10	0.0	72.5

Toledo Part 2

Hal Parenti's slick ME-262 wants to fly off the table. Hal took 3rd Place in Designer Scale.



FW 190D Dan Grutzinger



A6M2-N Rufe Robert Ball



Loening "San Francisco" Allen Mrock



Handley Page 0/400 Terry Overton



Frank's Coming to the NATS

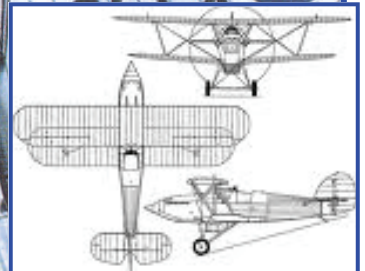
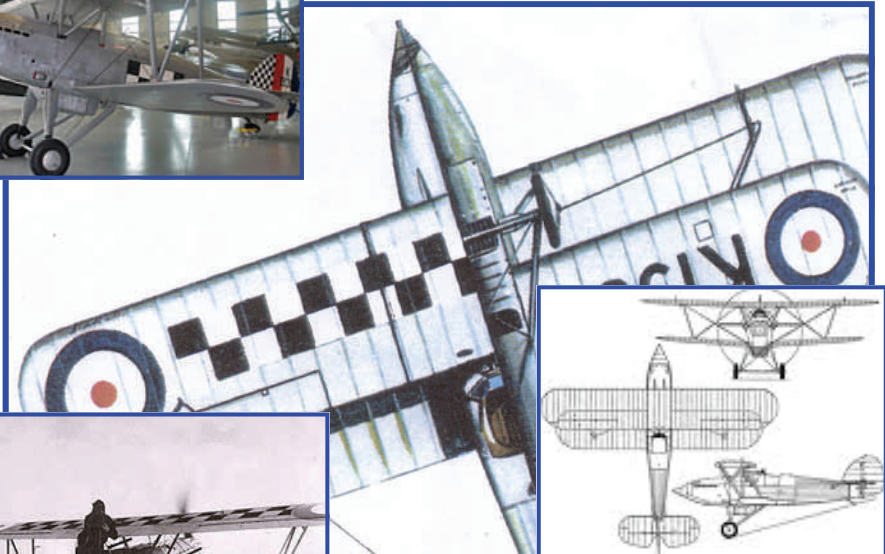
Frank Beatty sent a letter (remember those). He will be entering Sport and Designer control line scale.



Frank is in a crunch to finish his 1

1/2" to 1'-0" scale Hawker Fury with a 45 inch wing span, powered by an OS46AX. He will bring his Stearman 4EM biplane that has flow in previous nationals and was featured in Model Aviation November 2009 as a construction article. If the Fury construction challenge falters, Frank will be bringing his tried and true Staaken Flitzer.

Charlie Bauer will be with his son Peter and his grand sons Aaron and Jason. Richard Snyder has checked in, but just for judging not flying.

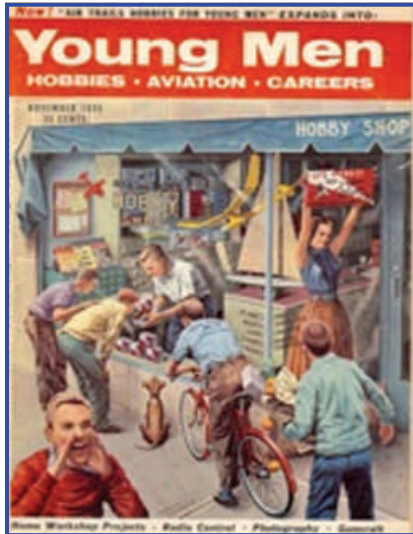


Lets hope that Frank can get up to building speed and in the next four weeks have his Hawker Fury ready.

Technical Aviation Model Services

Wings Over the Rockies Museum, Denver, CO.

The Kirkham Library is a collection that encompasses over 75 years of Model Aviation. The collection that took over 40 years to complete, contains thousands of model aircraft Plans, Drawings, 3-Views, and ALL known Model Aviation Magazines. Below are a few examples of the various data bases that are currently being logged and will be uploaded. This collection will provide modelers with an in-depth technical research facility unlike any other. It is open to the public every Tuesday from 10am - 3pm or by appointment.



<http://www.eicnetwork.com/eic/TAMS.html>

Databases:

Rolled Model Drawings: (1600+)

http://www.eicnetwork.com/eic/TAMS_files/Rolled_Model_Plans.pdf

Folded Model Drawings (5000+)

Modeling & aircraft periodicals and books (10,000+)

A through Z Magazine Articles:

http://www.eicnetwork.com/eic/TAMS_files/MagArticlesCombinedMaster.pdf

Aeromodeler:

Aero Modeler Annual:

Aero Modeler Digest:

Air Trails Annual:

American Aircraft Modeler:

Aviation Modeler:

Aviation Modeler International:

Fine Scale Modeler:

Flying Models:

Model Airplane News:

Model Builder:

Model Flyer:



More Toledo



Then there is the natural and enhanced wood finish. The boat people win Best Finish of show at Toledo.



We gravitate to super film finish, that takes out a lot of the sanding and rubbing.



First Place Helicopter, Bell 47G, Mike Ross, St. Johns, MI.

12" to the Foot

Fokker DXXI by Stan Alexander

Finding that particular scale subject for competition is a somewhat perplexing task. You can go with a subject that everyone has done, for instance a P-51 Mustang or a J-3 Cub or you can search for something a little less well known or go completely to the other end of the spectrum like Bob Underwood does and model something nobody has every touched. Claude McCullough made a habit of doing the same thing. You could never tell what he would show up with at the Nationals. Yea, we are still waiting to see that 1/3rd scale Bonzo.....

Being somewhere in the middle is usually a easier way to go. Several plans and kit producers here in the states have some really good stuff you might try. Bob Holman Plans or Jerry Bates Plans for instance. Then there is Precision Cut Kits with Don Smith's plans.

Many of these are the more stock standards in scale modeling but every once in a while you come across a designer that has a knack for designing the more obscure aircraft either civilian or military.

Which brings us to the subject this month. The 1930's design from the Fokker Aircraft Co. The DXXI. Jerry Bates has designed this low wing cantilever wing fighter at both 1/5th scale and 1/4 scale. The quarter scale

model comes out to around 99". With the large round



cowling you should be able to stick just about any large single cylinder engine there you would like.

This was one of the lesser know aircraft of WWII. It was used by Holland, Finland, and Sweden. So over on this side of the pond it really wasn't know at all.

While the airplane has flaps there are no retracts and I personally don't have any photos of the full scale airplane that shows a drop tank, although don't rule

that out. This fighter has wheel pants much like the Ki-27 Nate from Japan in the late 1930's. The airplane is very aerobatic and pilots of the time stated that one of their favorite maneuvers was a "flick roll" or a roll at the top of a loop, not your common fighter maneuver!

The pilots also stated the aircraft landed hot, or at high speed. So on a grass field that could prove to be interesting also. So go ahead and look up a Fokker DXXI and see what this "slightly different" fighter from Holland is all about.

Developing Nation: The Netherlands.
Manufacturer/designer: Fokker / Dr. Ing. Erich Schatzki.

Task: Fighter.
First Flight: February 27, 1936.
First Delivery: August 27, 1937.
First Operational: September 1937.
Crew: 1.
Wing Span: 11.00 m.
Wing Area: 16.20 m².
Length: 8.20 m. Height: 2.95 m. Engine (s): Bristol Mercury VII, 9 cylinder radial engine with 825 hp (Dutch Air Force configuration).
Weight: 1.450 kg. Max.
Take off weight: 2.050 kg. Max.
Speed: 460 Km/h at 5.100 m.
Max. Range: 930 km. Weapons: 4x wing-mounted 7,9 mm FN-Browning M.36 guns.

Sources:
Jerry Bates Plans-www.jerrybates.com

Air International October 1977- Last of the Fighting Fokkers. Fair Skies & Tail Winds, Stan



Scores - 2010 Mint Julep RC Scale Contest

Fun Scale	Aerobatics	Static	Flight	Total
Mike Barbee	Yak	5.00	94.25	99.25
Jeremy Arvin	Extra 300	5.00	90.38	95.38
Mike Hunt	Edge 540	5.00	87.50	92.50
Robert Geiser	Cap 232	5.00	85.75	90.75
John Sedletzec	DR 109	5.00	85.63	90.63
Sport Scale	Expert Div 1			
Robert Bush	F-100	99.00	94.63	193.63
Al Kretz	Spitfire	96.50	89.00	185.50
John Boyko	Pitts Special	90.25	92.00	182.25
William Zimmerman	P-47	92.25	79.88	172.13
Art Shelton	Laser 200	82.50	67.38	149.88
Sport Scale	Expert Div 2			
Mike Barbee	WACO	97.75	92.00	189.75
Billy Thompson	Fokker DIIV	96.00	89.63	185.63
Dave Johnson	Fokker DIIV	92.25	90.63	182.88
Gary Underhill	Sopwith Pup	81.25	79.88	161.13
Bob Benson	PI-19	89.50	43.00	132.50
Sport Scale	Sportsman			
Randy Forbus	V-35 Bonanza	91.25	86.13	177.38
Mark Lanterman	Piper J-3	90.00	86.50	176.50
Mike Wastman	Fokker IV	83.00	88.38	171.38
Doug Miller	L19 Birddog	79.00	91.00	170.00
Duwyanne Lindsey	Skyraider	83.25	77.50	160.75
Tom Faires	Bucker	83.00	61.38	144.38
	Jungmeister			
Steve Eagle	Newport 17	95.50	46.63	142.13
Robert Pease	Stampe SV-Y	80.50	26.75	107.25
Team Scale				
Arvin/Arvin	SNJ-5	97.00	92.63	189.63
Bryan/Johnson	Bristol	96.00	0.00	96.00
Designer Scale				
Hal Parenti	Fireball	99.00	93.63	192.63
Bob Patton	Bulldog	97.50	87.50	185.00
Dave Johnson	Stephens	98.00	40.00	138.00

Fun Scale	Novice			
Sam Woodward	P-47	5.00	89.63	94.63
Matt Hansen	Spitfire	5.00	89.25	94.25
Trey Pound	Cessna 182	5.00	81.50	86.50
Ron Riley	P-51	5.00	80.63	85.63
Joseph Fanelli	Corsair	5.00	76.38	81.38
John Dunn Jr.	J-3	5.00	71.63	76.63
Mike Greiser	J-3	5.00	71.63	76.63
David Flint	T-28	5.00	60.13	65.13
Tom D'Auria	F4U Corsair	0.00	0.00	0.00
Fun Scale	Advanced			
Jim Martin	P-51	5.00	92.63	97.63
Andy Pound	B-25	5.00	91.88	96.88
Earl Dever	Clip'd WingCub	5.00	91.00	96.00
Mark Lanterman	Tucano	5.00	90.75	95.75
Jeremy Arvin	B-25	5.00	88.75	93.75
Roland Hemphill	Cessna 150	5.00	88.38	93.38
Gary Wild	Super Chipmunk	5.00	88.00	93.00
Dale Drew	Morrissey Bravo	5.00	87.00	92.00
Ron Pound	PT-17	5.00	86.38	91.38
Robert Geiser	Cap 232	5.00	85.25	90.25
Charles Grey	Zero	5.00	84.75	89.75
Steve Sauger	Skylane	5.00	84.13	89.13
Jim Rediske	Super Decathlon	5.00	83.55	88.55
Thomas Poole	PT-19	5.00	83.38	88.38
Alan Whitaker	P-6	5.00	80.38	85.38
Mike Bealmer	Fokker E IV	5.00	77.50	82.50
Duwayane Lindsay	P-38	5.00	77.13	82.13
Al Kretz	Cessna 182	5.00	75.25	80.25
Ben Lanterman	JU-52	5.00	73.88	78.88
Jeff Pike	Cessna 310	5.00	55.63	60.63
Mike Hunt	Cub	5.00	54.63	59.63
Joe Hahn	F4U Corsair	5.00	46.13	51.13
Doug Miller	P-47	5.00	43.63	48.63
Mike Smith	L-4	5.00	36.88	41.88
Dale Arvin	SNJ-5	0.00	0.00	0
Mike Chilson	KI-84 Frank	0.00	0.00	0



ME163B Komet, Ron Maynard, Eden Park, MN, A-10 Warthog Joe Grice, Northfield Mn, Fiestler Storch FI-15-6C2 Glenn McIntosh,



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7. Scores—Mint Julep , even more Toledo

Join or renew NASA for 2010 today! Complete the following application (please print) and mail it to:

Bob Lirette, Secretary/Treasurer NASA
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Membership dues are \$20.00 yearly (newsletters sent to foreign members sent by e-mail), or \$25.00 (foreign with newsletters set by post.)

Make checks or money orders payable to: National Association of Scale Aeromodelers.

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.

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

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