



Winter 2006

Thermal Journal

Dedicated to the never-ending battle against the law of gravity

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Submissions the Thermal Journal in the form of letters to the editor or articles are always welcome. Use the editor's address provided above.

Check out the peanut scale plan for the Douglas M-2 Mail Plane from Lynn Morton included in this issue.

The President's Message

Opportunity does not knock on your door very often or in this case very loudly. But here is your opportunity to have full and complete control of an airplane contest. You can make up the rules, the awards, the events and even the date of this extravaganza. How can this occur you might ask? Easy, just be the first on your block to sign to run a "Hobo meet" (love that term) for the club during June or later on in September or October. You too can have the undying respect and everlasting gratitude of your fellow club members! Well, maybe not quite, but if you can wade through the bull you get the idea.

This idea came up at our contest planning meeting held at my house January 7th. If you were not present at this gala event you missed one of the greatest logic by volume discussions held at my house in quite a while. There is no shortage of modeler's opinions when it comes to planning. Actually I enjoy this because it shows that people really care about the way things are run and want to be part of the process. If you missed it this year, try to make it next year as we guarantee you fun and food (we even had to make special potato salad to entice the presence of former president David Rosenberg!). I may want to do this again this year, but it all depends on whether the cook (the long suffering Ruth Ann) rebels. In all seriousness, I do want to thank the members who attended and have put forth a lot of effort to make the contest planning successful. At this point, things look great for the summer and a lot of loose ends have been taken care of. These folks have made me look almost competent and I didn't even have to work up a sweat!

Now that the planning is almost done it's time to shut down the computer, go to the building room, pick up the glue, and put some warped sticks in the shape of an airplane. See ya' at the field.

Brad Bane

Dates to keep in mind:

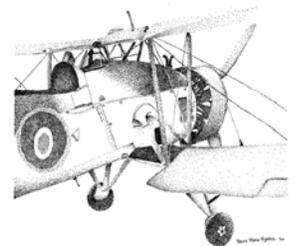
The 8th **Empire State Indoor Free Flight Championships** will be held on May 21 at Ralph Wilson Field House, Orchard Park NY

Historic Aviation Group Museum Air Show in Geneseo, NY will occur on July 8 & 9, with arrival day on July 7.

Flying Aces Nationals will be held on July 14 - 16 in Geneseo, NY. Look for details in upcoming FAC newsletter.

The 36th **Great Grape Gathering** will be held on July 21-23 in Geneseo, NY.

The 37th **Empire State Free Flight Championships** will be held on Aug 18-20 in Geneseo, NY.



Annual meeting minutes and brief summary

The annual meeting was held at the Terry Hills Country Club in Batavia on November 5, 2005. Club president Brad Bane called the meeting to order shortly after 1 PM. As the first order of business, club secretary Mark Rzdca read the minutes from last year's meeting. This was followed by the treasurer's report read by the club treasurer, Ruth Bane. Last year's minutes and the treasurer's report were unanimously approved by the members present.

Old business was next reviewed.

Lyle Whitford gave an over view of the Empire State Free Flight Championships held on August 19-21. Bob Clemens suggested a sign announcing the meet be posted at the entrance to the HAG 1941 museum. Brad suggested that we consider combining WNYFFS and SAM 86 field donations to the HAG 1941 museum. Bob Clemens reported that the Great Grape Gathering would be held on July 21-23. There was little indoor activity throughout the year, per Bob Clemens and Vet Thomas

New Business

Lyle Whitford graciously agreed to be CD for 2006 Empire State Free Flight Championships
The 2006 Empire State Free Flight Championships will be held on August 18-20.

The chairmanships identified last year were reviewed with the following positions retained:

Indoor contest manager	Bob Clemens
Empire State FF Champs Contest Director	Lyle Whitford
Indoor Flying Site Coordinator	Bob Clemens
Casual Outdoor Contest Coordinator	Jim DeTar
Annual Meeting Chairman	Brad Bane
Casual Meeting Chairman	Dave Rosenberg
Publicity Manager	Bob Clemens
Newsletter Technical Editor	Dave Rosenberg
Awards Chairman	Joe Mollendorf
Webmaster	Bob Clemens with support provided by Joe Mollendorf
Port-a-potty Contact	Jack Barker

Following the discussion of chairmanships, Brad raised the issue of the amount of the club's annual field contribution to the 1941 Historic Aviation Group Museum. Traditionally, the club has donated \$600 dollars, but with the current financial state of the club, that amount would reduce the cash on hand to an unacceptably low amount. The difficulty was averted when Vet Thomas made a cash contribution specifically in support of the field donation. His generous offer inspired several more and the total collected was sufficient to make the club's finances solvent for the time being.

Mixed in with the discussion of club finances was the topic of the collection of John Low's model design drawings. At one time these plans (which had been formally donated to the WNYFFS) provided a fair amount of income to the club. Currently, the purchase of said plans has slowed to a trickle. Ongoing handling of the sale of plans must be considered, as well as long-term storage of the originals. Brad offered to look into selling the plans to the AMA collection.

Mark C. Rzdca

Next issue of the TJ

This is the first issue of the TJ in 2006. The next issue of the TJ will probably be sent out early in the Fall.

That issue will cover the contest results for the two outdoor meets, the GGG and ESFFC. So, you may ask, "What about the results from the indoor meet to be held in May?" Rather than sending out an issue of the TJ just to report the results of the Empire State Free Flight Indoor Championships, the results will be provided as an email in a simple text format. (That means, no PDF file attachment, text only, so any email service should work to read the contest results.) The email results will be sent to all flyers that provide their email addresses at the meet. This will save the cost of a separate mailing of the TJ just to report contest results.

Anyone who wishes to send some nice sharp, bright photos from the Indoor meet, or the outdoor meets for that matter, can send them to the editor at the address provided elsewhere in this issue. (Digital pictures are preferred but not essential.) As many pictures as can be accommodated will be included in the fall issue of the TJ. So far we haven't had to be too selective in choosing the photos to include in the TJ so you have a pretty good chance to have your pictures included. If you do take pictures please provide information such as the name of the person(s) pictured, the model(s) flown, the flying event and the contest at which the picture was taken. It really makes for much better captions if additional background information can be included with the picture as well.

Enough talk about the end of the flying season! It is time to get building and prepare for your next meet. I certainly hope someone takes up Brad's suggestion to sponsor one or more Hobo meets. Jim DeTar and I have organized casual FAC meets on very short notice. All participants have enjoyed those informal meets immensely. It would be down right sacrilegious to not utilize the Geneseo field if it is available.



Western New York Free Flight Society

and

Flying Aces

Presents the 8th Annual

Empire State Free Flight

Indoor Championships



Schedule of Flying Events

Flying is from 9AM to 5PM

Note: schedule is subject to change at CD's discretion.

AMA Events

- Mini Stick (#)
- Std. Class Catapult Glider (#)
- Intermediate Stick
- Bostonian Cabin (7 gm)
- Limited Penny Plane (#)
- Open Penny Plane
- F1L, Easy B (1.2gm min.) (#)
- AMA Electric Endurance
- Indoor F1D *team selection regional*

Note: F1D change from previous meets

FAC Events

- Dime Scale
- High Wing Peanut
- Peanut Scale
- Scale
- Golden Age Scale
- No-Cal Scale (6.2gm min.)
- WWII Combat
- Golden Age Military

Special

- Wright Stuff, combined middle and high school, flying 2006 H.S. Wright Stuff rules. (Class C) (#)
- Phantom Horde, mass launch of Phantom Flash (3.5 gm w/o motor minimum weight, wheels must turn and model must be built and decorated per the plan.)
- Events followed by a (#) are eligible for the Indoor National Cup Contest

Date: May 21, 2006

Location: Ralph C. Wilson Field house, Orchard Park NY.

Entry Fees: \$30 for all events and site use fee. Juniors, \$5 covers all events. Casual flyers *must* register with CD. ID tags will be issued at check-in and must be visible at all times. We welcome fun flyers and trust they see the need for entry fees.

Contest Director: Vet Thomas

For questions regarding the meet, contact Vet at 585-392-5164 or at vthomas1@rochester.rr.com

Other relevant and useful information

- AMA class AA sanction
- Doors open at 8 AM
- Ample parking is available directly in front of the main field house entrance.
- Food and beverages will be available for purchase on site. Food and beverages are not to be brought into the facility.
- This site has a 128 foot arched ceiling and a floor area measuring 200 by 400 feet. It is carpeted with artificial turf, making it an exceptional AMA Category IV indoor contest venue.

How to get there:

From the East: Take the New York State Thruway (I90) past Exit 55 to Rt 219. Proceed on Rt 219 to Big Tree Rd Exit (Rt 20A). Go west on 20A to Abbott Rd, then right on Abbott Rd to the Field House.

From the West: Take the New York State Thruway (I90) to Exit 57, Camp Rd (Rt. 75N or W). Proceed to Southwestern Blvd (Rt 20). Go right on Rt 20 to Abbott Rd.

From Canada: Take the QEW to the Peace Bridge and onto US I-190 South. Then to NY State Thruway (I-90) and Rt 210 to Big Tree Rd Exit (Rt 20A). Go west on 20A to Abbott Rd, then right on Abbott to the Field House.

RC flying will follow the meet starting at 6PM until 10PM. Contact Ed Britton at eplane@rochester.rr.com for further information and fees.

Valid AMA or MAAC Proof of membership required for all contestants and casual flyers.

GREAT GRAPE GATHERING 2006

(Since 1971)



Geneseo, NY, 1941 HAG Airfield
Friday Saturday and Sunday
July 21, 22 and 23



FRIDAY FREE FLIGHT EVENTS

1/2A Nostalgia
0.020 Replica/ 1/4A Nostalgia
Diesel Duration (8)
P30 (10)
Small Towline Glider (7)
Cloud Tramp (4)
HL/CL Glider combined (1)
Senator
FAC Embryo Endurance
Classic Wakefield (5)

SUNDAY FREE FLIGHT EVENTS

AMA A/B/C Gas
Unlimited Towline Glider (6)
SAM Small Rubber Stick to 150 sq. in.
Large Rubber Fuse >150 sq. in.
FAC Golden Age Civil Scale (3)
Mulvihill/Unlimited Rubber (9)

Contest times are from 8:00AM to 5:00PM on Friday and Saturday, from 8:00AM to 4:00PM on Sunday.

VALID MAAC or AMA MEMBERSHIP CARD
REQUIRED

ENTRY FEES: \$10 for the first event, and \$5 for the next ones to a \$25 maximum.

BARBECUE: Approximately \$10. To be held Saturday night in a hangar as soon after 5:00 p.m. as possible.

SATURDAY FREE FLIGHT EVENTS

FAC OT Gas Replica Electric
Bob Gordon Trophy/Classic Gas (2)
1/2A Classic Gas
ABC Nostalgia Gas
Diesel Duration (8)
Nostalgia Rubber
SAM Commercial Rubber
SAM Small Rubber Fuse. to 150 sq. in.
SAM Large Rubber Stick >150 sq. in.
FAC Two-bit Old Timer
HL/CL Glider combined (1)

R/C EVENTS

Friday

LMR Wakefield (2)
Special 1/2A Texaco (1)

Saturday

Special 1/2A Texaco (1)
Unlimited SAM Sport plane

Sunday

Spirit of SAM
Other impromptu events

SPECIAL EVENTS

Schedule: TBD

Sports Power Model, any engine; precision time.
Model examples: Mimi, Ebenezer, Tom Boy ...

Ladies Cloud Tramp Mass Launch

Denny Dart Mark II Mass Launch

Denny Dart Kits available at GGG (\$4), on Web Site: www.theplanpage.com/st.htm or form Neil Dennis.

For Mimi or Ebenezer plans contact Richard Barlow, toad.hall@sympatico.ca or Don Myers at donevanmyers@yahoo.com

FF Event Director

Jim Moseley

19 Banner Crescent
Ajax, Ontario L1S 3S8
905-683-3014

jjmoseley@look.ca

RC Event Director

Roy Bourke

56 Clareville Crescent
Toronto, Ontario M2J 2C1
416-493-0111

rsbourke@3web.net

Contest Manager

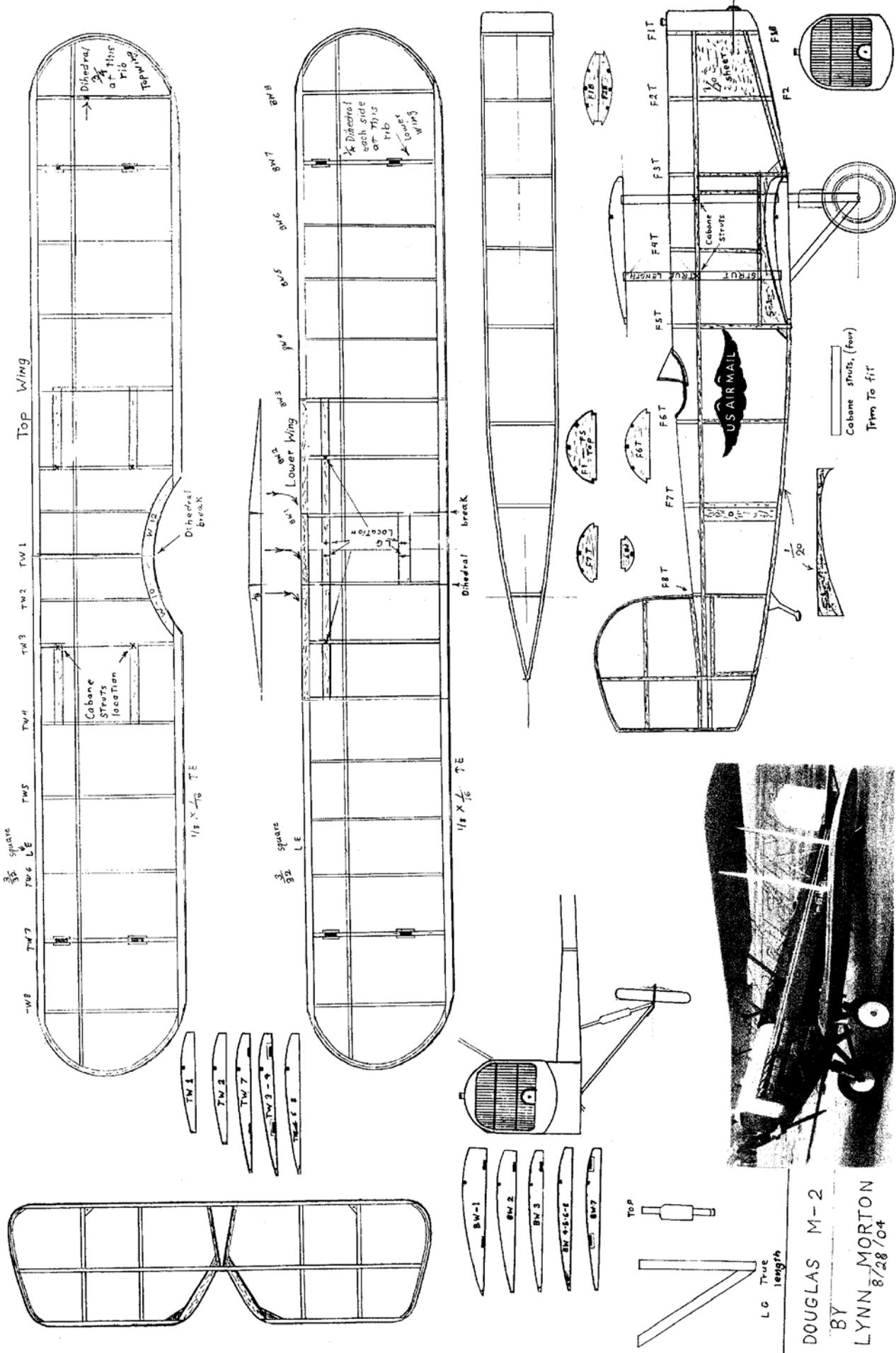
Jim Anderson

135 Margaret Pl.
Brockville, Ontario K6V 6Y6
613-342-5613

janderson@ripnet.com

For this event we will be sharing the field with MARS, a model rocket club.

For additional information, complete event rules and official entry form, contact the Contest Manager.



DOUGLAS M-2
BY LYNN MORTON 8/28/04



The Western New York

Free Flight Society

Presents the 37th Annual

Empire State Free Flight Championships



Schedule of Flying Events

Friday 8AM to 5PM

- A-B Classic Gas
- B-C Nostalgia Gas
- .020 Replica
- Moffett
- Old Time Rubber
- Classic Towing
- Diesel Qualify

Saturday 8AM to 5PM

- ¼ A Nostalgia Gas
- ½ A Classic Gas (J)(S/O)
- ½ A – D Gas (S/O)
- A Nostalgia Gas
- ½ A AMA Power (J)
- Mulvihill
- Nostalgia Rubber/Wakefield
- FAC Rubber Scale
- FAC Golden Age Scale
- FAC 2 Bit Rubber
- FAC Embryo Endurance
- F1A, F1B, F1C (Open)
- F1P (J/S)
- Diesel Qualify

Sunday 8AM to 4PM

- ½ A Nostalgia Gas
- C-D Classic Gas
- Old Time Gas
- P-30 (J)(S/O)
- Catapult Glider (J)(S/O)
- FAC Dime Scale
- FAC No Cal Scale
- FAC WW II Mass Launch
- FAC Old Time Gas Replica
- F1G, F1H, F1J (Open)
- Diesel Fly Off

Date: August 18, 19 & 20

Location: Geneseo, NY at the *1941 Historic Aviation Group Museum*

Entry Fees: \$25 for all events and field use fee. Juniors, \$5 covers all events. Casual flyers *must* register with CD.

Contest Director: Lyle Whitford

For questions regarding the meet, contact Lyle at 716-795-3831 or at whitford@localnet.com

Dinner: At the Yard of Ale on Saturday, August 19. Details at the CD's table.

Rules for Empire State Free Flight Championships, a category III meet except:

- Old Time Gas
16-second engine run for ignition (no glo)
12-second engine run for old time diesel
- .020 Replica, 12 second engine run
- Old Time Rubber
Mulvihill Rules for max flights
- America's Cup
Flown in 1 ½ hour, overlapping rounds starting at 8 AM both days, i.e., 8 – 9:30, 9-10:30, etc.
- National Cup
Qualifying events for this contest: ½ A, AB, +CD Classic, Moffett, Mulvihill, 1/4 A, 1/2 A & A Nostalgia, Nostalgia/Wakefield, Catapult Glider, P-30, Classic Towing.
- Junior National Cup events
½ A Classic Gas, ½ A AMA Power, P-30, Catapult Glider.
- Diesel Unofficial Fun Fly
Three flights Friday and/or Saturday, 12 second run, 120 second max. Total of 250 seconds or more qualifies for Sunday 8 – 10 AM fly off, 12 second run.
- FAC Rubber Scale
Judging 8 –12 noon on Saturday

Valid AMA or MAAC Proof of membership required for all contestants and casual flyers.

One on One

If you want to talk to a free flyer directly, the names listed here are people in the area who can offer advice on getting started or have a suggestion for a first kit or tips about what to ask for at the hobby store.

Auburn

Brooks Goodnow
22 Lakehurst Drive
Auburn, NY 13201
315-252-9170
tiqger33@thumpernet.com

Canandaigua

Jack Barker
2067 Route 65
Bloomfield, NY 14469
585-624-2844

Buffalo

Brad Bane
60 Lake Ave.
Lyndonville, NY 14098
585-765-9363
windwhip47@aol.com

Rochester

Bob Clemens
95 Shoreway Drive
Rochester, NY 14612
585-392-3346
robert.clemens@att.net

Brockport

Vet Thomas
970 Clarkson-Parma Road
Hilton, NY 13021
585-392-5164
vthomas1@rochester.rr.com

To Join the WNYFFS complete this form (or a facsimile) and send it along with a check for \$10 (annual dues) payable to:



Ruth Bane, Treasurer, WNYFFS
60 Lake Avenue
Lyndonville, NY 14098

Name _____
Street Address _____
City _____ State _____ Zip _____
Home Phone _____
Work Phone _____
Email _____
AMA/ MAAC # _____

Please consider membership in AMA/MAAC. While not required for membership in WNYFFS, AMA/MAAC provides supplemental liability insurance covering model flying activities and is required at most WNYFFS flying activities.

Contest CD's

Brooks Goodnow
22 Lakehurst Drive.
Auburn, NY 13021
315-252-9170

Vet Thomas
970 Clarkson-Parma Road
Hilton, NY 13021
585-392-5164
vthomas1@rochester.rr.com

John Carls
43 Murphy Road
Bradford, PA 16701
814-362-7789

Lyle Whitford
9003 Lake Rd, PO Box 72
Barker, NY 14012
716-795-3831

Application for Membership

Name _____ Phone _____

Address _____ e-Mail _____

City _____ State _____ Zip _____

Occupation _____

Hobbies _____

Membership entitles you to free admission to our air show and to the museum, a 10% discount in the HAG store, *Hangar Tales* for a year, a window sticker for your car, and membership card (which must be presented to obtain the perks).

Membership Type: _____ Regular \$30 (age 18-59)
_____ Senior Citizen \$25 (age 60 & up)
_____ Junior \$10 (age 17 and under)

Mail this application (or a photocopy) with your check to:

1941 Historical Aircraft Group Museum
PO Box 185
Geneseo, NY 14454-0185



Background on the WNYFFS

The Western NY Free Flight Society began in the late 1960's with a few modelers. Today the Society now numbers nearly 100 members in 9 states and Canada. For over 30 years the club has hosted the Empire State Free Flight Championships in late summer, as well as a "fun fly", each spring, both are held in Geneseo, NY. Powered by rubber, gas, diesel, electric, CO₂, compressed air or that old standby- muscle, these events exact the best from the planes and presents the fascinating challenge of outdoor free flight to the folks attending. There is no "off season" in free flight. Once a year a major contest is hosted in conjunction with the Flying Aces Club. The Empire State Indoor Championships are held at the Buffalo Bills field house in Orchard Park, NY.

The Editor's Embryo

This is my current embryo model. It is the third Puma I have built from plans included in Tim Bucher's book *Stick and Tissue Modeler's Album, Volume Number 1*. Each of the three planes has flown very well. My first Puma was Orange and it performed very well, even winning once or twice before it was lost at the GGG in 2004. The next Puma was Red and flew even better. In fact, it flew so well that it was lost at the FAC Outdoor Champs in Muncie on its first official flight at that contest. It hooked a thermal that took it out of sight even before the DT had a chance to release the pop off wing. This latest Puma was completed for the 2005 season but I haven't really trimmed it out completely yet.

Puma 1 (with no D.T.) weighed in at 13.3 grams w/o motor. Puma 2 came in at 12 grams, even with the addition of a pop off wing DT. Puma 3, tips the scale at 10.3 grams. Much of the weight savings in these models has come from scraping the 7" plastic prop. These props typically start out at about 3 ½ grams. With careful and persistent work, these can be reduced down to about 1 ½ grams. Besides the obvious advantage of lighter weight, the thinner blades are more flexible, reducing the chances of damage to the airframe during landing.



The editor's Puma embryo from Tim Bucher's *Stick and Tissue Modeler's Album*. Green and yellow are not recommended colors for a small free flight model, but it sure looked good in the shop.

Special thanks to Lynn Morton for his peanut scale plan of the Douglas M-2 Mail Plane included in this issue of TJ.

I was fortunate enough last summer to make the acquaintance of Lynn at one of the meets at Geneseo. Lynn generously provided me a copy of his Douglas M-2 Mail Plane plan included in this issue of the TJ. Unfortunately Lynn is not a member of the club I didn't get sufficient contact information. If any of you know Lynn, please provide contact information.

When the plan is printed on my ink jet printer, the wing span comes out to about 7-3/4", or about 60% of 13". Therefore, the plan must be scaled up about 167%. Some photocopiers will scale that large in a single pass. If you cannot scale up in a single step, than two enlargement steps of about 130 percent each will get you close. In any case a little bit of fussing around will probably be needed and you may end up having to go to multiple pages taped together to get a complete plan.

Thanks again Lynn, I hope we see lots of Mail Planes over Geneseo this summer!

Do you have email?

The preferred delivery means for the TJ is via email to members equipped to accept that format. If you are receiving a printed copy of the TJ and are able to accept via email, please inform the editor at the address provided on the front page. This reduces costs to WNYFFS and work for the staff.

If you have email but cannot use it to accept the electronic version of TJ, please provide the email address anyway. Be sure to make a note that your email service is not suitable for electronic version of TJ.

Editor



Mark C. Rzacca
17 High Point Trail
Fairport, NY 14450