

Fall 2005

# Thermal Journal

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

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Lyndonville, NY 14098

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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.

**Directions to the Annual Meeting can be found inside the Journal.**

**The President's Message**

One of the pleasant things about outdoor flying is the fact that it is seasonal. As much as I enjoy flying during the summer, I also enjoy seeing it coming to an end, because I know that that will give me time to catch my breath and began to plot for another year on the contest trail. I also tend to procrastinate and need something to get me going to begin the winter building season. The best way to get excited about next year's projects is to get together with your buddies and kick around designs for the next super dream ship. I always view the annual meeting in November as the building season kick-off and I hope you take the same view. I would like you to make this meeting a priority. We need as many members to attend as we can possibly round up. I absolutely guarantee you a good time with friends, good food, and entertaining stories, some of which might actually be true!

We are going to try something a little different this year by eating earlier, allowing members to drive during daylight hours. The planning meeting will occur after the dinner and this will allow those members who do not wish to get involved in the planning to do as they please. The doors will be open at 11:00 and a really nice buffet will be served at 12:00 with the planning meeting beginning at about 1:30. We will have tables available for those who want to bring new models or sell or swap model stuff.

Our host will be:  
Terry Hills Country Club  
5122 Clinton Street Rd. (Route 33)  
Batavia New York 14020  
585-343-0642

**Menu:**

House salad w/rolls, specialty salad, potato, fresh vegetables, Chicken French and Shaved Prime Rib, Penne pasta marinara brownies and cookies with coffee and tea

Price: \$16.00 per person -includes tax and tip

Payment is due by October 26. Please remit payment to:

Ruth Bane  
60 Lake Ave.  
Lyndonville NY 14098

*We'll be looking forward to seeing you on November 5th.  
Brad and Ruth*

**Dates to keep in mind:**

WNYFFS annual business meeting reservations are due by October 26.

WNYFFS annual business meeting will be held in November 5.

*Free Flight demo and indoor flying opportunity*

Where: RMSC Eisenhart Auditorium

When: December 17, 11 AM to 3 PM.

Contact: Bob Clemens at 585-392-3346 or robert.clemens@att.net



## **Empire State Free Flight Champs, Contest Director's Report**

THANK-YOU TO ALL OF THE FOLLOWING ! I REALLY NEEDED A TEAM EFFORT TO MAKE THIS WORK .

Bob Rambo - Assistant CD. He helped more than he knew.

John Clapp - Managed the FAI events , and did an excellent job.

Vet Thomas - Scale Judging for the FAC events.

Jack Barker - Arranging for the "Necessary" and also helped me understand and file the FAC Report.

The Trophy Team :

Joe and Heather Mollendorf

Brad and Ruth Bane

Rod and Ruth Mogle

Priscilla Whitford

Special thanks to Priscilla Whitford who spent 2.9 days behind the desk and insisted that it was fun.

The weather was typical of Geneseo. Friday at 9AM rain for about an hour then clearing and light winds with 5-7 mph gusts the rest of the day. Saturday- breezy, gusting 5-9 MPH. Sunny and warm. Sunday - early morning rain, stopped by 7AM. Wind steady from the west at 5 MPH; gusting to 9 MPH again .

The attendance was up this year w/46 registered. Five of those who registered did not compete. We thank you for your support! Compared to last year , it was good to see a longer and active flight line . It was also good to see John Carls on that flight line giving his squadron some exercise.

The Saturday night dinner was well attended by 44 hungry people who seemed very satisfied by the fare. We had a brief thank-you to all by W.N.Y.F.F.S. President Brad Bane and most retired to our respective lodging to rest up for the challenges of the next day . At about noon on Sunday , our friends from Ontario brought some refreshment to the control center to celebrate my first event as Contest Director . I thank them sincerely for their thoughtfulness!

There were five events that had zero (0) entries. This was especially disappointing as three of those were Junior events. We had increased our Junior events from two to four this year in an effort to provide them more opportunity. Not to be

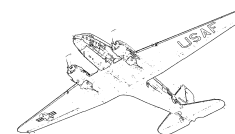
Last but not least, the 50-50 Raffle was won by Vet Thomas who donated his winnings back to W.N.Y.F.F.S. THANK-YOU Vet.

*Lyle Whitford*

## **RESULTS FROM 2005 ESFFC – FRIDAY AUGUST 19**

<b><u>Old Time Rubber</u></b> 8 entries	<b><u>Flight Times</u></b>	<b><u>Classic Towline</u></b> 6 entries	<b><u>Flight Times</u></b>
John Clapp	360	Bob Sowder	383
Vic Nippert	334	Vic Nippert	314
Oscar Mayes	323	Jim Moseley	274
Vincent Sadwick	221	Les Sayer	173
Les Sayer	200	Larry Pelatowski	120
Richard Barlow	120	Richard Barlow	59
Mike Burns	120		
Jim Mayes	95	<b><u>A-B Classic Power</u></b> 4 entries	<b><u>Flight Times</u></b>
		Jim Bocckinfuso	360
<b><u>Moffett</u></b> 3 entries	<b><u>Flight Times</u></b>	Ruth Bane	325
John Clapp	322	Roy Smith	315
Roy Smith	230	Bob Sowder	211
Jim Moseley	120		
		<b><u>B-C Nostalgia Gas</u></b> 3 entries	<b><u>Flight Times</u></b>
<b><u>020 Replica</u></b> 1 entry		John Carls	444
John Carls	187	Larry Davidson	401
		Brooks Goodnow	120

# RESULTS FROM 2005 ESFFC – SATURDAY AUGUST 20



<u>½ A Classic Gas</u> 5 entries	<u>Flight Times</u>
Joe Mollendorf	360
Roy Smith	308
Bob Sowder	304
Don Myers	285
Jean Paillet	272

<u>A Nostalgia Gas</u> 5 entries	<u>Flight Times</u>
Larry Davidson	827
John Carls	583
Brad Bane	547
Jack Barker	310
Bob Ryan	136

<u>½ A – D AMA Gas</u> 3 entries	<u>Flight Times</u>
Rod Mogle	480
Ruth Bane	453
Jean Paillet	266

<u>Mulvihill</u> 8 entries	<u>Flight Times</u>
Richard Barlow	535
Don Rousseau	434
Joe Mollendorf	425
Vic Nippert	386
Oscar Mayes	278
Jim Anderson	236
Bob Ryan	228
Vncent Sadwick	177

<u>Nostalgia Rubber/Wakefield</u> 1 entries	<u>Flight Times</u>
Richard Barlow	320

<u>FAI – F1A A/2 Glider</u> 4 entries	<u>Flight Times</u>
Andrew Barron	826
Bob Siffleet	783
Art Ellis	782
Bob Sowder	684

<u>FAI – F1B Wakefield</u> 4 entries	<u>Flight Times</u>
Tom Ioerger	840
Jerry McGlashan	833
John Clapp	818
Joe Friebis	556

<u>FAC Rubber Scale</u> 4 entries	<u>Model</u>	<u>Flight Times</u>
Vic Nippert	Turbo Porter	120
Jim DeTar	Piper Pacer	119.5
Mark Rzdca	Rearwin	105.5
Jim DeTar	Speedster	79.5
	Curtiss	
	Heldiver	

<u>FAI – F1P ½ A Fixed (J/S)</u> 2 entries	<u>Flight Times</u>
Brian Pacelli	894
Alan Eck	512

<u>FAC Golden Age Scale</u> 4 entries	<u>Model</u>	<u>Flight Times</u>
Jim DeTar		264
Vic Nippert	Buttercup	253
Vic Nippert	Piper Cub	185
Mark Rzdca	Rearwin	67
	Speedster	

<u>FAC Embryo Endurance</u> 2 entries	<u>Flight Times</u>
Jim DeTar	365
Mark Rzdca	192

<u>FAC Old Time Gas Replica</u> 5 entries	<u>Flight Times</u>
John Carls	360 + 75
Mark Rzdca	360 + 44
Vic Nippert	336
Jack Barker	213
Mark Rzdca	360 + 91

# RESULTS FROM 2005 ESFFC – SUNDAY AUGUST 21

<b><u>1/2A Nostalgia Gas</u></b> 3 entries	<b><u>Flight Times</u></b>	<b><u>C-D Classic Gas</u></b> 1 entry	<b><u>Flight Times</u></b>
Brad Bane	240	John Carls	150
Jim Moseley	181		
Roy Smith	63		
<b><u>P-30 (S/O)</u></b> 5 entries	<b><u>Flight Times</u></b>	<b><u>Old Time Gas</u></b> 3 entries	<b><u>Flight Times</u></b>
Les Sayer	339	Larry Davidson	360
John Clapp	325	Jack Barker	235
Roy Smith	240	John Carls	191
Don Rousseau	222		
Larry Pelatowski	173	<b><u>Diesel Fun Fly</u></b> 4 entries	<b><u>Flight Times</u></b>
		Jim Moseley	300 + 229
		John Carls	300 + 100
		Bill Prenskey	271 + 92
		Don Yokel	335
<b><u>Catapult Glider</u></b> 5 entries	<b><u>Flight Times</u></b>	<b><u>Catapult Glider (J)</u></b> 1 entry	<b><u>Flight Times</u></b>
Larry Pelatowski	221	Brian Pacelli	48
John Caldwell	175		
Vic Nippert	165		
Don Myers	105		
Richard Barlow	98		
<b><u>FAI - F1G Coup de Hiver</u></b> 3 entries	<b><u>Flight Times</u></b>	<b><u>FAI - F1H A/1 Towline</u></b> 5 entries	<b><u>Flight Times</u></b>
John Clapp	544	Bob Sifleet	600
Larry Pelatowski	425	Art Ellis	487
Don Rousseau	423	Vic Nippert	475
		Jean Paillet	422
		Tom Ioerger	392
<b><u>FAI - F1J 1/2A Power</u></b> 2 entries	<b><u>Flight Times</u></b>	<b><u>Events with no entries</u></b> 5 events	<b><u>Scheduled Day</u></b>
Jean Paillet	600	1/4A Nostalgia Gas	Saturday
Tom Kerr	517	1/2A Classic Gas (J)	Saturday
		1/2A AMA Power (J)	Saturday
		FAI - F1C Power	Saturday
		P-30 ( J )	Sunday

# Directions to WNYFFS Annual meeting:



## Directions to Terry Hills:

From Rochester: Take 490 to 33. Terry Hills will be on the south side of the road near Batavia city limits.

From thruway: Take exit 48-Batavia go south on rt. 98 to Main St. (route 5) turn left (east) go through downtown and take route 33 on east side of city (a left turn at a light near a small plaza) Terry Hills will be one mile on the right.

From anywhere else: call 585-765-9363 or e-mail me at [windwhip47@aol.com](mailto:windwhip47@aol.com) (<mailto:windwhip47@aol.com>)

OK you'll find it! Brad



## 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.

Ed.

## *Random thoughts by Ye Olde Materials Engineer - David Rosenberg*

Solvents- Toxicity and home safety tips

Definition: Flash point- The temperature at which a material will take fire when exposed to a small flame.

ACETONE: Dope thinner, both Nitrate and Butyrate.

Boiling range is 130- 134F.

Flash point is OF (!).

This is a very dangerous and underrated solvent. Store it in sealed, solvent proof, containers (min. volume), in a cool place, away from ignition sources such as a furnace or gas tank heaters. Do not store in a refrigerator. Accumulated fumes can be ignited from a spark from the exposed door switch. Underwriter's Labs have confirmed home explosions from flammable solvents stored in refrigerators. Historical example: Montreal, in the 1940's, in a hobby shop owned by Paul Verdier (Canadian Wakefield Champ). His assistant, at night, alone, was doping a plane, while smoking a cigarette. The open dope and thinner cans burned and exploded. The modeler was burned so badly he was hospitalized for one year. The hobby shop, of course, was destroyed.

Toxicity- Acetone is a mild narcotic, skin irritant and has a de-fatting action on the skin. Prolonged inhalation may cause headaches. Use with gloves and eye protection in ventilated area. Storage- Use minimum volume containers, either HDPE (High density polyethylene) or PP (Polypropylene). They have low vapor transmission, minimizing evaporation.

METHYL Alcohol (Methanol, Wood alcohol)

Boiling point= 146-153F

Flash point (open cup)= 52F

It is the base of glow fuel, invented by Ray Arden in 1948. Toxicity- It has distinct narcotic properties. It is a cumulative poison, affecting the nervous system, especially the optic nerve, causing optic neuritis and blindness. It is an irritant to mucous membranes and skin can become dry and cracked due to the solvent action.

Isopropyl Alcohol- (Isopropanol)

Boiling point= 175-178F

Flash point (open cup)= 67F

Toxicity- Not rated as a toxic compound. IT is an irritant to mucous membranes and eyes and is a mild narcotic.

Rubbing alcohol is a mixture of 70% Isopropanol and 30% water. It is stored in bottles made from HDPE (Hi density polyethylene) which has a low vapor transmission and minimizes evaporation. It is an excellent industrial degreaser. I have used it successfully for decades at both General Electric And General Motors to clean both metal and polymer surfaces prior to adhesive bonding. The mold release on carbon fiber surfaces can be cleaned with Isopropanol, plus a mild sanding with sandpaper. Its flammability is one of its drawbacks. It should be stored in small volume containers, either of HOPE or PP (Polypropylene).

Nitromethane-

Main additive to Methanol Glow Fuel.

It is the debonding agent for Cyanoacrylate adhesive.

(Acetone is also a debonder for C/Y.)

It is flammable with a slight toxic hazard rating. It too is stored in either HDPE or PP bottles. Storage bottles- The 35mm Fuji film cassette container is PP. It is white, translucent/waxy, with low vapor transmission, minimizing evaporation. I use them for acetone and isopropanol. Acetone, in my indoor toolbox, has lasted over one year with min. evaporation. I use it for debonding Duco joints and for thinning Duco to make indoor cement. Good brush cleaner for dope. This container holds exactly one fluid ounce, thus minimizing any fluid spill losses. Camping stores carry a bottle called NALGENE. It is a HDPE with a PP screw on cap. These are available in 250cc, 500cc, 1000cc (1-liter) and 2-liter sizes. Good for general storage. Do not store alcohols in metal containers. Alcohol has a very high water absorption which will cause rusting. This is one reason why alcohol/gasoline car fuels can cause gas tank corrosion, even though the gas tank is coated with a lead (Terne plate) coating. The Corvette uses a polymer gas tank, covered with a metal sheath.

**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

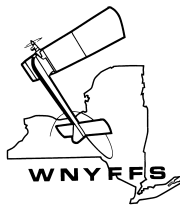
**Rochester**

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, CO<sub>2</sub>, 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.



On Sunday, September 25, WNYFFS members Walt Kornrich, Bob Clemens, Nathan Chronister, Don Steeb, Carl Van Voorhis, Don Yokel, and David Rosenberg provided an informal demo for the RIT chapter of the American Society of Mechanical Engineers (ASME). About 30 or so students and faculty come to the Clark Gymnasium to watch the flying and to view the models up close. A picnic lunch, complete with hamburgers and hot dogs, was served for all who attended. Our participation was well received and was time well spent.

In this photo Don Yokel is seen explaining his diesel-powered model to an interested group of students.

Thanks to Bob Clemens for the photo and report.



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