

# Thrustline

Springfield Model Airplane Club August 2009



## Club Officers

### President

Don Friessan

### Vice President

Richard Baker

### Secretary

Bruce Shaw

### Treasurer

Joe Ferrara

### Board Members

John Henley

Buzz Massey

Jim Miller

Neil Perkins

### Safety Officer

Mike Harter

### Field Marshal

Don Barnes

### Mower maintenance

Steve Kianka

### Newsletter Editor

Azarr

## QUICK LINKS

### **From the Editor:**

Hi

Had a great time at our Jun fly in. Unfortunately no one from the WingMasters showed up. This seems to be an ongoing problem and in the future we should probably just schedule events for our club members only.

A special thanks to Mrs Friessan who did the shopping for the great food we had and thanks to Dave Snyder, Buzz Massey, Richard Baker and Don Friessan for the effort put into the event.

Staycation: Consider a trip to the AMA Headquarters. It's only a little over an hour and a half away. If you haven't been to the AMA Nationals you still have a chance to catch the RC and Control Line Scale events 31 Jul - 2 Aug. If you're a heli enthusiast, the IRCHA Jamboree will be held Aug 13th - 16th. A trip through the Museum is worth the drive.

Suggestions/Articles/For Sale items are always welcome - Deadline the 20th of the month.

Azarr

Next Meeting: Tuesday 7:00PM Aug 4th 09 - at the flying field

Meetings will now be held at the flying field, weather permitting. In case of inclement weather, we will meet back at the Asbury Methodist Church

NOTE THE **TIME CHANGE** FOR THE OUTSIDE MEETINGS

### **From the Secretary:                      Minutes from the Jul meeting**

SMAC Meeting July 7, 2009

Place: SMAC Field

Time: 7:00 PM:

Attendance: 20 members

Note this meeting was called to order by our VP Richard Baker  
Secretary's report was read by Bruce Shaw and accepted as read  
Treasurer's report was read by Joe Ferrara and accepted as read.

### **Notes of interest from the treasure report**

President Don Friessan donated the costs of the 20 Jun fun fly.

Web site expenses \$83.40

We have 58 2009 members

New 2009 membership roster will be available at the end of the meeting.

### **Old business**

Fun fly with the Dayton WingMasters June 20, 2009.

We would like to thank every one that came out to fly and special thanks

SMAC Web Site  
SMAC Flying Field  
Academy of Model Aeronautics

to Dave Snyder for cooking, Buzz for providing the coolers.

**Membership drive:** Thanks to Jim Miller for rewriting and rearranging the membership information for the Web site. Our webmaster, Paul Rueger has updated the site and now info about membership in both the AMA and SMAC is easily accessible.

**Vacation Bible school demo / show and tell:** We still don't have a date set for this. We have called several times but they have not returned our calls. (**Ed note:** this should just be dropped unless the church contacts us again)

**Safety code.** As of the last meeting we still have not seen the new sign. There seems to be some confusion about why the sign has not yet been received from the AMA. Our district AMA VP has asked for more info on this but it was not available. Our Vice President will get with the President to follow up on this.

Our current sign it is settling crooked and needs to be straightened.

**Club picnic:** Our end of season club picnic is scheduled for September 13, 2009 with a rain date of September 20, 2009.

#### **New business**

**Fun Fly:** We may want to consider just having the fun fly for SMAC member as turnout from other clubs has been low please think about this as we will be discussing it at the next meeting.

**Combat:** There are five or six people participating and they are having fun

No other business the meeting was closed.

The next Club meeting is scheduled for Tuesday August 4, 2009 at 7:00 PM at the SMAC FIELD or if the weather is bad at Asbury United Methodist Church. 104 E. Clark Street (Rt. 41) North Hampton, OH 45349.

As of this writing there is no board meeting scheduled. Please see a club officer if you have an issue you think should come before the board.

Respectfully Submitted  
By Club Secretary Bruce Shaw

## **Event Schedule**

### **NON FLYING**

Oct 25 - Greenville OH Swap Meet (with an indoor flying facility available)

### **FLYING**

Aug 1-2 - CORKS Giant Classic - Centerburg, OH  
 Aug 2-11 AMA Hqs - FAI World Helicopter Championships  
 Aug 8 -9 -GCRC Flying Circus - Hamilton OH  
 Aug 13 -16 IRCHA Jamboree - AMA Headquarters  
 Aug 15-16 Andy Herider Memorial Pattern Contest Quincy OH  
 Aug 16th - Darts Soaring Challenge (for 444) Yellow Springs OH  
 Aug 22 - 18th Annual Big Bird fly In - Brookville OH  
 Sep 4 - 6 DOGS Fly In Wright Patterson AFB OH  
 Sep 10-13 E Jets International (Elec Ducted Fans) Grove City, OH  
 Sep 12 -13 - Cold Cash Speed Bash Dayton, OH  
 Sep 13th - Club Picnic (rain date Sep 20th)  
 Sep 18 - 20th NEAT Fair - Downsville NY  
 Sep 25 - 27 Ohio Dawn Patrol - AF Museum  
 Sep 27th - WORKS Club - Super Scale Sunday  
 Oct 16 - 18th KEIF - Muncy, PA  
 Nov 6 - 8th JR Indoor Fest - Columbus, OH

## Dear Ready Kilowatt

Dear Ready:

I have a motor that draws 35A, but only have a 25A speed control. I was smart enough to realize that all I had to do was set the throw on my throttle channel to 75% to keep the amperage down. Thought you might want to pass on this tip.



(signed)

E Challenged in North Hampton.

*Dear Potential Fireball:* Do not, never, no way - no how try to limit amp draw by reducing the throttle ATV in your transmitter. If you're lucky enough to have your plane survive you'll at least be buying a new speed control.

A speed control is not like the throttle on a glow/gas engine where the power is applied in a linear fashion. The speed control is nothing more than a very high speed switch. It only has two states, on, or off, nothing else. There is no middle ground - it's either on or off period.

One of the simplest explanations I've seen came from my buddy Ken Myers from Michigan. (lets assume our max amp draw is 35 Amps)

At full throttle the esc is ON ON ON ON ON ON ON ON ON ON ON ON  
 At half throttle the esc is ON OFF ON OFF ON OFF ON OFF ON OFF

Soooo .....if our max current draw is 35A, then .....


At full throttle the esc is 35, 35, 35, 35, 35, etc (always on)  
 At half throttle the esc is 35 O 35 O 35 O 35 O etc  
 The transmitter throtte stick determines how long each phase lasts

In the example above at full throttle an Amp meter would show 35A and at partial throttle the meter would show an AVERAGE of 17.5A however, every time the esc switches from OFF to ON it actually sees 35A.

Just to recap. In our example, if you set your throttle travel to 50% and put a meter on your system it will appear to be drawing 17.5A however the speed control will still see 35A every time it switches from OFF to ON and if it's not rated for that current level will burn out it short order.

Ready

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