



# Thrustline

The Newsletter by and for the Springfield Model Airplane Club

Website - <http://www.smacoh.org>

Volume 7

July 2005

## Officers 2005

**President**  
Jeff Traub

**Vice-President**  
Jeff Joos

**Secretary**  
Joe Ferrara

**Treasurer**  
Tom Minnich

## Board Members

**Jim Miller**  
**Neil Perkins**  
**Bill Cline**  
**Buzz Massey**

**Past President/  
Safety Officer**  
**Bob McWilliams**

**Field Marshal**  
**Don Barns**

## Assistants 2004

**Mower Maintenance**  
**Steve Kianka**

**Work Liaison**  
**Neil Perkins**

**Newsletter Editor**  
**Clem Schmid**  
**cjschmid@sbcglobal.net**

## 3D FLYING BY BILL CLINE

Bill Cline loves RC Flying and when the Foamy Airplanes arrived with the Electric motors he would show up at the flying field with a different one each week.

Bill volunteered to teach interested SMAC members in the art of 3D flying. His lecture, basic instructions and flying demonstration at the June 7th meeting is beginning to bear fruit. Several members have accomplished the "Hover" and are experimenting with other maneuvers.



"Lecture on 3D Flying"



"Check Balance"



"Hover Mode"



"Important Surface Deflections"

See page 4 for Basic Setup for 3D Flying and 3D Maneuvers.

**Minutes of SMAC Meeting, June 7th, 2005**

Tonight's meeting was held at the Club's flying field on Spence Road in North Hampton. Club President Jeff Traub called the meeting to order at 7:30 PM. There were approximately 27 members in attendance.

**Secretary's Report:** The report was read by Club Secretary Joe Ferrara. The report was then accepted as read.

**Treasurer's Report:** Club Treasurer Tom Minnich was out of town on a business trip, so there was no treasurer's report given.

**Old Business**

**Tractors:** Steve Kianka has been ill recently which has slowed things down a bit on maintenance until he fully recovers, but he is now back. The Cub Cadet has a clutch slippage problem. Steve recommended moving it over to his place where he can access it better. Meanwhile, work continues on the new unit which is nearing completion. One cutter bar has been replaced and the other 2 are serviceable. Steve also gave a brief recap on expenses incurred so far; we're still within the specified budget.

**Club Hats:** There are a number of SMAC hats available for sale at just \$4.00 each, a real bargain. We also have decals and jacket patches. Anyone interested in purchasing these should contact Club President Jeff Traub.

**Electric Airplane Event:** The item is still open.

**November Swap Meet:** We are still looking for a coordinator to assist in managing the swap meet. Anyone who is interested in helping out should contact a Board member or one of the Club officers.

**New Business**

**Fire Extinguisher:** This is a primary safety item. It's been disclosed that the box on the field was empty until June 3rd, when the extinguisher was located in the barn and moved to the field. The barn needs to be replenished with a working unit as soon as possible since this is where the mowers and

mower fuel is stored. Jeff Joos stated he will procure a unit for Club use.

**June Board Meeting:** The next SMAC Board meeting will be held at the Club flying field on June 21st at 7:00 PM.

**Monthly presentation:** Tonight's speaker was Bill Cline who gave us a show on the ins and out of 3D maneuvering with electric airplanes. With all the attention that electric powered aircraft are getting nowadays along with a large number of them being flown by Club members, it was a timely presentation. Thanks for the show, Bill!

**50/50 Raffle:** At the conclusion of the meeting, John Shaw was the winner of the 50/50 raffle and took home the \$17.50 cash prize. Congratulations, John!

Respectfully submitted By Club Secretary  
**Joe Ferrara.**

**Minutes of SMAC Board meeting, June 21st, 2005**

Tonight's meeting was held at the Club's flying field on Spence Road in North Hampton. Club President Jeff Traub called the meeting to order at 7:00 PM. There were 5 Board members in attendance.

**Secretary's Report:** The report was read by Club Secretary Joe Ferrara. The report was then accepted as read.

**Treasurer's Report:** Club Treasurer Tom Minnich was out of town on vacation, so there was no treasurer's report given.

**Old Business**

**Tractors:** Steve Kianka, who has been taking care of tractor maintenance, has been ill recently which has slowed things down a bit until he fully recovers from surgery, but he is now back. The Cub Cadet has been repainted and returned to service. Steve also gave a brief recap on expenses incurred so far and we're still within the specified budget.

**Field Maintenance:** The field is currently in very

good shape and no additional work is scheduled at this time.

**Mall Show:** The turnout for the 2005 annual mall show was somewhat less than expected and the issue was brought up to the Board concerning the advisability of continuing with the event. This had been a fairly popular Club activity in years past, but following a discussion on the matter, the Board is recommending that if we cannot get a better turnout than what we had this year, the Club discontinue the activity. The issue will be brought up to the general membership at the next meeting.

**Club Hats:** There are a number of SMAC hats available for sale and are just \$4.00 each, a real bargain. We also have decals and jacket patches. Anyone interested in purchasing these should contact Club President Jeff Traub.

### New Business

**Electric Fly-in Event:** A proposal was made by Bernie Zoppa concerning the Club holding an electric fly-in. Bernie suggested an event date of Sunday, August 21st and it will be open to members of other clubs. However, Bill Cline and Buzz Massey have stated they have tentatively picked a date of Saturday, August 6th for a SMAC members only event. Following a discussion of the matter, the Board felt that it would actually be a good idea to try and host both events, but recommended that the full issue be further discussed and voted upon at the next general meeting.

**Absence of Club Treasurer:** Tom Minnich has been away for a while and we've recently had more than one circumstance where money needs to be disbursed in his absence. We need to have a second (and possibly third) authorized check signer (i.e. the Club President and/or Vice President) who is able to act when the Treasurer is not available. This is in accordance with the Club's By-laws.

**November Swap Meet:** We are still looking for a coordinator to assist in managing the November swap meet. Anyone who is interested in helping out should contact a Board member or one of the Club officers. Everyone should be aware that this

is **THE** big money maker for the Club. (**Recent update: Mike Harter has expressed a willingness to help out and Dave Snyder has stated he might continue if he can get some assistance. Keep us posted guys!**)

**Annual Picnic:** The Board has selected Sunday, September 18th as the date for the annual Club picnic. Details will follow.

**Paint Ball Event:** There was also a further discussion about holding another paint ball event. The Board decided the best time would be at the Club's annual picnic. (see above)

**Field Safety:** As always, the issue of field safety is a prime concern. All members are requested to be aware of safety issues and stay current on Club safety policies.

**Next General Meeting:** The next general membership meeting will be held at the Spence Road flying field on Tuesday, July 5th at 7:00 PM. In case of rain, it will be at the shelter in the park on Route 41 in North Hampton.

**Next Board Meeting:** TBA.

There being no further business, a motion was made to close the meeting. The meeting was closed at 7:47 PM by Club President Jeff Traub.

Respectfully submitted By Club Secretary  
**Joe Ferrara**

This is the response SMAC received  
From the American Cancer Society  
For our gift in Memory of Nancy Pheanis

*Your gift has been acknowledged with  
a special card sent according to your instructions.*

*In Memory Of*

*Nancy Pheanis*

Gift Amount \$ 50.00  
Entire gift is tax deductible.

No goods or services were  
exchanged for this donation.

**Blue Angel C-130**  
**Support Aircraft at**  
**San Francisco Air Show 5-16-05**



**Calendar of Events**

**5 July 2005 SMAC Meeting 7:00 PM**

**Location: Club Field**  
**Spence Road, North Hampton, Ohio**

**19 July 2005 SMAC Board Meeting 7:00 PM**

**Location: TBA**

**2 August 2005 SMAC Meeting 7:00 PM**

**Location: Club Field**  
**Spence Road, North Hampton, Ohio**

**16 August 2005 SMAC Board Meeting 7:00 PM**

**Location: TBA**

**Heart of Ohio Jet Scramble/Aug 26,27, & 28**  
**Fayette County Airport ( NEW LOCATION )**  
**Washington Court House, Ohio**

**6 September 2005 SMAC Meeting 7:00 PM.**

**Location: Club Field**  
**Spence Road, North Hampton, Ohio**

**BASIC SETUP FOR 3D FLYING**

- high deflection on all surfaces-aileron 35 deg/elevator 45 deg/  
rudder 45 deg
- use exponential to soften at center-Futaba-neg expo/JR-pos
- dual rates

**POWER REQUIREMENTS**

- 1.5 TO 2.0 power to weight ratio
- large/flat prop

**CENTER OF GRAVITY**

- at center or slightly behind recommended

**OTHER NOTES**

- flex free control linkages
- longer servo arms
- stiffen airframe with carbon fiber
- keep model as light as possible
- practice with the same model
- monoplanes are best to learn with
- start high; don't risk the airplane
- practice! practice! practice!

**3D MANEUVERS:**

**ELEVATOR**

- must have minimum of 45 deg deflection on rudder & elevator
- dual rates
- steer with rudder
- keep wings level with ailerons
- control decent with throttle
- recover by increasing throttle and reducing elevator

- plane will fall vertically while maintaining a flat or slightly  
noise high attitude

**HARRIER**

- enter as elevator maneuver
- high rates
- hold up elevator all in
- steer with rudder
- hold attitude with throttle
- secret is fly the plane with throttle (decrease to lower-increase  
to raise nose)
- plane will fly at 30 to 40 degrees nose high when properly done

**HOVERING**

- high rates
- large/flat prop
- elevator -push nose away -pull nose toward
- rudder -feed the high wing
- use right aileron to prevent torque-rolling
- Find the sweet spot in throttle to hold position
- blast throttle to straighten up as needed

**Several members of SMAC or members of their family continue to need your prayers. Pray for those who have Cancer, By-pass surgery, Joint replacement, Major Accident, Loss of a loved one, or Reduced level of health. Your kindness with prayers will be rewarded.**