



# SOUTH DAVIS MODELERS

The Official Newsletter of South Davis Modelers Association  
*southdavismodelers.org*

South Davis Modelers Association - AMA Charter 1401

April 2006

## Club Officers

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## March Meeting Notes

**CLUB MEETING** - Our March club meeting was held at the Bountiful City Library. There were 13 club members present. Our president, Mark Despain conducted the meeting.

**TREASURER REPORT** - Our Treasurer, Frank Hunt, was excused so we did not receive a financial report. As of today we have 46 members who have paid their dues for 2006.

**DUES** - Just a reminder that yearly dues are to be paid by January. Remember there is a penalty for paying late.

After February 15<sup>th</sup> - \$5.00

After March 17<sup>th</sup> - \$10.00

After April 15<sup>th</sup> - \$15.00

After May 3<sup>rd</sup> - you are no longer a member. You must reapply and pay the initiation fees. You can pay your dues at the March club meeting or send them to Frank Hunt, treasurer. **REMEMBER.** You must show a 2006 AMA Card when you pay your dues.

**FLYING FIELD** - The flying field is drying out. We should have some excellent spring flying soon. Remember, if you fly and the field is wet, walk along the edges and carefully to retrieve your plane or helicopter. Any

footprints we put down now will stay there all summer. We voted to keep the frequency board that we have now. John Silvernail had volunteered to print a sign for the board. It will state that you must hang up your current AMA card with a gold sticker on it on the appropriate frequency to fly. It is suggested that you hang your car keys on the hook with the card to prevent the card from blowing away and to help you so you won't drive off without your keys. A punch will be placed in the mailbox to punch a hole in your card.

Our president, Mark Despain, told us about a contact that he has that can has all of the equipment to spray sterilizer on the field. The members present voted to have Mark hire this person to go ahead and spray. He assured us it would be \$200 or less. We will also spray the far north end of the north-south runway. When Legacy Highway is finished we may have to use this runway to keep from flying over the highway. Legacy Highway will be completed in the fall of 2006.

**NEW WEBSITE** - Bill Sutton has volunteered to be our new Webmaster. The new website is *southdavismodelers.org*. (Remember - *org* not *com*). Take a look at the website. Send some pictures and ideas for the website to Bill Sutton. We hope to post a updated roster and make it only accessible to members with a password.

**Next Meeting Date**  
The next Monthly Meeting will be on  
**Tuesday, April 4th, 7:00 PM**  
At the Bountiful City Library

**AIRCRAFT SAFETY CHECKLIST**  
Suburban Aero Club of Chicago (SAC)

**Before Your First Flight**

**Balance**

- Is the center of gravity within the range shown on the plans? (fore and aft)
- Is the model balanced side to side? (right and left wings of equal weight)

**Alignment**

- Are all the flying surfaces at the proper angle relative to each other?
- Are there any twists in the wing?
- Are the wings at the proper incidence as shown on the plans?
- Is the engine set at the proper thrust angle as shown on the plans?

**Control Surfaces**

- Are all control surfaces securely attached? (i.e., hinges glued, pinned). Pull on each one to test.
- Are the control throws in the correct direction with proper amount of deflection (as listed in the plans for your plane)?
- Rudder: Left stick should move rudder to the left.
- Aileron: left stick should move left aileron up.
- Elevator: Pulling back (toward you) on the stick should move elevator up.
- Throttle: With trim set fully forward, pushing the stick forward should open throttle fully. With trim set fully backward, pulling stick back should fully close the throttle.
- Are the control horns secure? (screws been attached to servo horns)

**Control Linkages**

- Have all the linkages been checked to be sure they are secure?
- Are all the snap links closed? (clevises usually have keepers or fuel tubing to ensure they stay closed)

## **Engine**

- Are all engine screws tight?
- Is the prop nut and/or spinner tight?
- Is the engine securely mounted to the fuselage?
- Does the throttle work without binding?
- Does the throttle trim tab shut down the engine?
- Has the propeller been balanced and checked for damage? (cracks and nicks)
- Are propeller tips painted white?
- Has the engine been thoroughly test run? (engine idle and throttle up properly)
- Has the engine been run at full throttle with the plane's nose straight up in the air? to make sure it won't stall when full power is applied on climb out)
- Is the fuel tank installed correctly? (i.e., carburetor at the same height as fuel tank, fuel tank clunk in proper position and moving freely, fuel lines in good condition and connected to the engine correctly)
- Does your gasoline engine have a kill switch?
- For gasoline engines, a fire extinguisher should be included in flight box.

## **Radio And Servos**

- Are the radio and battery securely mounted and have they been padded with foam to protect from vibration and shock?
- Are all screws in servo trays?
- Are all push rods firmly secure in servo arms?
- Are servo arms firmly attached with screw in place?
- Are all electrical connectors secure?
- Is the receiver's antenna fully extended and in good condition?
- Are the batteries charged and checked with a volt meter?
- Has a full range check been performed? (see below)

## **Landing Gear**

- Is landing gear firmly attached to airframe? (wheel attachments secure)
- Does aircraft taxi in a straight line? (does nose wheel turn in the correct direction)

## **General**

- Is the covering tight with no visible signs of damage?
- Are wing bolts in place and secure? (fuselage/wing form a tight bond)
- Is the engine cowl secure?
- Is the canopy securely mounted?
- Are all components structurally sound?
- The aircraft must be labeled inside with your name and AMA number.

## **Range Checking The Radio**

- ( ) Verify frequency is available and put membership card on frequency board.
- ( ) Turn on transmitter and receiver.
- ( ) Walk about 30 yards from your plane .
- ( ) Do all surfaces respond to controls?
- ( ) Do surfaces start to "flutter"? Do surfaces move from the middle, neutral position without touching the sticks? In either case, it is imperative that the radio problem be fixed before trying to fly the plane. Check to see if any wiring crosses or runs alongside the antenna wire (arrange all wires as far from antenna as possible). Re-check all batteries. Check the transmitter antenna is not loose. Check the receiver switch is operating correctly. The plane must pass this range test before attempting to fly.

### **Before EVERY Flight**

- ( ) Secure transmitter frequency at frequency control board.
- ( ) Check the receiver and battery pack with a voltmeter to insure enough charge.
- ( ) Check the control throw direction of all surfaces.
- ( ) Check your transmitter to be sure switches were not accidentally thrown to the wrong position. If you have a multi-model transmitter, check is set to correct model.
- ( ) Start the engine and test the entire throttle range.

### **Know The Safety Calls / Runway Communication**

**"Coming out"** As you prepare to place your aircraft on the runway.

**"Taking Off"** Is pretty much self explanatory.

**"Setting up to land"** As you begin your downwind leg gives others time to clear the area for you.

**"Landing"** As you are on final approach.

**"On the runway"** If your aircraft stops dead on the runway.

**"Off on the far side"** If your aircraft veers off on the side away from the pilots stations.

**"Crossing the runway"** Anytime you have to cross the runway (in either direction).

**"Runway clear"** After you have retrieved your errant aircraft, or if it has been taxied off the runway on the pit side.

**"Dead stick"** When your engine dies while in the air. Other pilots will pass this announcement down the line as it is a signal for everyone to immediate clear the landing zone.

**"Touch and go"** or **"Slow fly-by"** Note that high speed low passes and acrobatics in the landing zone when other pilots are on station are forbidden-these may only be performed at least 50' on the other side of the runway.

**"Aircraft down"** Followed by the general area.

**"I do not have it!!"** If a pilot will announce that he has a problem as soon as possible, other observers may be able to get a fix on the plane if it goes down. If you do get a fix, such as a certain tree, etc., do not move. Call for another person to come stand beside you and show them the point you fixed on. Even turning around and back can lose the fix.