

# The Seminole Flyer

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"The Seminole Flyer" is a publication of the Seminole Radio Control Club of Tallahassee, Florida

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Flying this monster C-17 must be a thrill. See page 6.

## Letter from the Editor- Stephen Warmath

**Wow**, talk about Big Birds. This **C-17** pictured above, sent in by John Rushing, meets that definition. See the short summary about this monster in this month's offering. On a sticky subject, **Adhesives** gives us some basics on different types of adhesives and their application. A little humor is offered in the **You Might Be an RC Modeler if.....** column. Been there...Done that. **Sealing Hinge Gaps** shows us how to improve the airflow over control surfaces to improve flight performance. With winter building months ahead of us, how about sharing a building review or a "how to" with the Club by submitting your report to the Newsletter. Got a favorite picture, video, humorous story, safety tip, etc, send it in and it will get included in the Newsletter with credit to the author. E-mail entries to [ssw@nettally.com](mailto:ssw@nettally.com) Club Officer nominations are due at our November meeting. Please send me your nominations by October 23<sup>rd</sup>.

Happy Building & Flying- Steve



## **Chief Pilot- Mike Atkinson**

Now that the hot weather has started to break, we can all look forward to spending more time at the field. Because of business and family commitments, I haven't been out there as much as I'd like, but I hope that will change during the Fall. Don't forget we have the 1<sup>st</sup> annual Seminole RC Club Fall Fly-in, sponsored by Hobbytown USA, scheduled for October 14, 2006. We are hoping to have special permission to start flying at 10:00 that day to give us more time at the field. Frank Bastos is coordinating the event, including concessions. If you or a family member can help out with manning the concessions, please let him know. Frank has received several very good items for the raffle for all participants to enter. The next time you're in the hobby shop, ask him for an update.

Speaking of Hobbytown, I had an opportunity to test fly the new Parkzone F-27 Stryker with brushless motor earlier this month. This plane is ready-to-fly, right out of the box. It includes radio gear, lipo battery, charger, and batteries for the transmitter. Simply put, this plane is awesome. For those looking for excitement, but not wanting to spend a lot of money, this model is for you. At less than \$250, RTF, it's a great deal! It even comes in a plug and play version for you to include your own receiver and battery, if you don't like the included radio gear. But, for the price, the RTF version is still what I'd recommend. It comes in 8 different 72 MHz frequencies.

The Apalachee Parkway Planning Committee met with the Landscape Architect this month to begin laying out the activities at the new park. We'll skip the next month meeting, giving him about 2 months to do research and preliminary design. He is going to come up with 3 workable designs for us to review, hopefully by the end of the year. We (SRCC) are still probably 2 years from being up and running on the hill, but everything looks to be going as planned.

Keep in mind the upcoming elections. Geoff and I are not going to be able to continue as officers, so we need at least 2 people to step up and take over. Fortunately, Sam and Stephen have agreed to stay on in their capacities. This is a very critical time in club history as we prepare to move locations, so we need all the help we can get. If you'd like to be included, or if you'd like to nominate someone, let Stephen Warmath know ASAP.

That's all for this month.....See you October 14<sup>th</sup> at the field,

Michael Atkinson

## **Chief Copilot- Geoff Lawrence**

### **Upcoming Club Events**

**October 5, 2006- Club Meeting at the Field. 7:00 pm. (October meeting will be the last meeting at the Field this year.)**

**October 14, 2006- Fall Fly-In sponsored by HobbyTown**

### **Upcoming AMA Regional Events**

#### **Mulberry SOD**

FL  
10/07/06-10/08/06 - Mulberry, FL (A) Mulberry SOD for 424, 428(O). Site: Club Field. Richard Ruede CD, 1408 New Jersey Rd Lakeland FL 33803 PH:863-944-8237 email: [ruede@tampabay.rr.com](mailto:ruede@tampabay.rr.com). SEMPRA kick off weekend. 424(thunder tiger pro 40, APC 9x6 prop, and 16,500rpm maximum ground tack) and 428 quickie. Sponsor: IMPERIAL RC CLUB

#### **PFFT Gathering of the Turkeys**

FL  
10/07/06-10/09/06 - Pensacola, FL (AAA) PFFT Gathering of the Turkeys for Cat III 101, 102-105, 101C, 102-103C, 104-105C, 120, 122, 124, 128, 140, 142(JSO). Site: Navy Site 8A. George White CD, 5928 Hermitage Dr Pensacola

FL 32504 PH:850-473-0866 email: [white76@cox.net](mailto:white76@cox.net). Nos 1/2A, Nos 1/2A, Nos A Gas, Nos B/C, Gollywocks Galore, Dawn, SAMA Pylon/Cabin, SAM Sm Stick, SAM Sm Fus, SAM B Pylon/Cabin, SAM Ig Stk, SAM C Pylon/Cabin, Comm Rubber, SAM Clas Wakefield, FAC Jimmy Allen, FAC Goldage Mil/Civ Scale, FAC Pwanut, FAC Jet Cat, FAC WW II Combat, FAC Dime Scale, FAC Embryo, FC Pwr Scale, FAC Thompson/Grieve, FAC Rubber Scale. Sponsor: PENSACOLA FREE FLIGHT TEAM

### **Fall Fly In**

FL  
10/07/06 - Inglis, FL (C) Fall Fly In. Site: Barge Canal Locks. Kenneth Brown CD, 4107 E Withlacoochee Trail Dunnellon FL 34434 PH:352-637-4891 email: [kenbro@xtalwind.net](mailto:kenbro@xtalwind.net). Flat grass runway, 500' x 150', picnic atmosphere, concession stand, RV parking and motels near by. Strictly flying for fun!! Sponsor: NATURE COAST RCERS

### **5th Annual The Cub In**

FL  
10/07/06 - Sarasota, FL (C) 5th Annual The Cub-In. Site: Club Field. Joseph Fast CD, 6506 Jarvis Rd Sarasota FL 34241 PH:941-343-0503 email: [jntfast@comcast.net](mailto:jntfast@comcast.net). A fun fly for piper aircraft any size cub, any color, any power source gas, glow etc. Trophies for scale flight, pilots choice. Prizes for lucky number pilot registration. Visit [www.sarasotarc.com](http://www.sarasotarc.com). Sponsor: SARASOTA RADIO CONTROL SQUADRON

### **Gateway RC Club Fall Fling**

FL  
10/07/06 - Jacksonville, FL (C-Restricted to Gateway RC Club members) Gateway RC Club Fall Fling. Site: Lannie Rd Model Airplane Park. Patrick Lanfri CD, 2305 Cedar Shores Circle Jacksonville FL 32210 PH:904-781-1146 email: [lanpc@bellsouth.net](mailto:lanpc@bellsouth.net). Gateway club membership accepted at event. Concessions stand, restrooms, no hookup RV parking, Intro-flights. Field phone 765-1070. Sponsor: GATEWAY RC

### **AMAC Fall Fly In**

GA  
10/07/06 - Leesburg, GA (C) AMAC Fall Fly In. Site: Club Field. Dan Stevens CD, 2816 Somerset Dr Albany GA 31721 PH:229-439-8949 email: [dan.stevens@mchsi.com](mailto:dan.stevens@mchsi.com). For map to field go to [www.geocities.com/clubamac222/](http://www.geocities.com/clubamac222/). 9am - 4pm \$10 landing fee 80 x 500' grass runway + 30 acre flat grass over fly area. Raffle all day - 9c at 3pm. Midday demo featuring Mac Hodges, Dan Stevens with the B-29 and Bell X-1. Food and drink concession. Sponsor: AIRMASTERS MAC

### **Warbirds Over Florida**

FL  
10/13/06-10/14/06 - Jacksonville, FL (C) Warbirds Over Florida. Site: Lannie Rd Flying Field. Monty McMillian CD, 1612 Inkberry Ln Jacksonville FL 32259 PH:904-287-4667 email: [montague56@hotmail.com](mailto:montague56@hotmail.com). Restricted to Warbirds only 1911-1950 in military or civilian paint open flying format no events. 80 inch mono 60 inch bi-plane. Overnight RV parking no hookups Concession stand open Modern restroom facilities. Sponsor: GATEWAY RC

### **Ocala Scale Aerobatics (IMAC)**

FL  
10/14/06-10/15/06 - Ocala, FL (AA) Ocala Scale Aerobatics (IMAC) for 411, 412, 413, 414, 415(JSO). Site: Club Field. Fred Johnson CD, 8504 SE 72nd Ave Ocala FL 34472 PH:352-895-7436 email: [rareeagle2@aol.com](mailto:rareeagle2@aol.com). Official IMAC event. Large open flying site with 50x600 paved and larger grass strips. Food and drinks on site. Camping okay (no hookups). Freestyle on Sunday if time and contestants permit. See website at [www.ocalaflyingmodelclub.com](http://www.ocalaflyingmodelclub.com). Sponsor: OCALA FLYING MODEL CLUB

### **Fly In**

FL  
10/14/06 - Morristown, FL (C) Fly In. Site: Club Field. Richard Hinton CD, 851 SE 148th Terrace Williston FL 32696 PH:352-528-9729 email: [rhinton1@peoplepc.com](mailto:rhinton1@peoplepc.com). Fly what you bring - Gas, Glow, Electric, Planes, Helis it doesn't matter. Camping no hookups. Sun up to Sun down. Food and drinks. Raffle Prizes. Beautiful site. Best in Central Florida. Visit [www.onewinglowsquadron.org](http://www.onewinglowsquadron.org). Sponsor: ONE WING LOW SQUADRON

### **5th Annual Celebration of Flight**

FL  
10/15/06 - Sunrise, FL (C) 5th Annual Celebration of Flight. Site: Markham Park. Victor Weitzman CD, 10041 NW 3rd St Plantation FL 33324 PH:954-474-2170. All types of aircraft welcome. 8:30 - 3:00 p.m. Newly constructed 750' paved

runway. Pilot and spectator raffles, food available, \$10 landing fee to fly during this event + \$1 park entrance fee, AMA & park rules in effect. Sponsor: BROWARD COUNTY RADIO CONTROL ASSOC

### **District V**

FL  
10/21/06-10/22/06 - Brevard, FL (AA) District V for Cat III 101, 140, 142(J)(SO), 102, 103, 104, 105, 101C, 102-103C, 104-105C, 120, 122, 124, 128, 150, 151, 152, 153, 154, 155(JSO). Site: Club Field. Ron Sharpton CD, 1290 Country Rd Daytona Beach FL 37129 PH:386-767-6138 email: [dixiefreeflight@aol.com](mailto:dixiefreeflight@aol.com). This contest is an America Cup Contest, National Cup and SAM Contest. Sponsor: FL MODELERS ASSOC

### **17th Fall Fling Fly In**

FL  
10/21/06 - Crestview, FL (C) 17th Fall Fling Fly In. Site: Lewis Field. James Giffard CD, 4568 Top Flight Dr Crestview FL 32539 PH:850-398-6076 email: [jgiffard@cox.net](mailto:jgiffard@cox.net). Grass runway, trophies for best trainer, sport, scale and pilot's choice. High noon combat with awards. Raffle, food, drinks and bathrooms on premises. Swap area. Sponsor: CRESTVIEW MODEL AVIATORS

### **Third Annual Osceola Fly In**

FL  
10/21/06 - Kissimmee, FL (C) Third Annual Osceola Fly In. Site: Club field. Howard Hosenbold CD, 3134 Crested Circle Orlando FL 32837 PH:407-856-2544 email: [howardh1951@hotmail.com](mailto:howardh1951@hotmail.com). Prizes, demo, air show, swap, vendors, no fees. Hourly raffle prizes (airplanes, parts, tools, supplies) all day 8:00 a.m. - 5:00 p.m. A portion of the raffle proceeds to be donated to Give Kids the World. Private shaded area and free light refreshment for visiting pilots. Food and refreshments available. More info and directions available at [www.osceolaflyers.com](http://www.osceolaflyers.com). Sponsor: OSCEOLA FLYERS

### **Aero Fest 06**

FL  
10/21/06 - Miami, FL (C) Aero Fest 06. Site: Club Field. Nicholas Capone III CD, 20120 Belaire Dr Miami FL 33189 PH:305-254-2127 email: [nickrc3@aol.com](mailto:nickrc3@aol.com). Come join us in our showcase event. Two manicured grass runways. \$5 LF Full concessions available. All registered pilots receive lunch and raffle ticket. Assorted wood plaques awarded. Public and pilot raffles. Visit our website at [www.amps-rc.com](http://www.amps-rc.com) for additional information and field directions. Minimum 80" wingspan. Sponsor: AERO-MODELERS OF PERRINE

## **Upcoming IMAA Regional Events**

### **Emerald Coast Model Aviators 16th Annual Fly In**

FL  
10/7/06-10/8/06 - Wewahitchka, FL (C-Restricted to IMAA) Emerald Coast Model Aviators 16th Annual Fly In. Site: Parker Farms Campground. Douglas Sampson CD, 7476 Shadow Bay Dr Panama City FL 32404 PH:850-874-2932 email: [dsam41@aol.com](mailto:dsam41@aol.com). \$10 landing fee - Limited full hookup RV parking - call for reservations. Sat PM dinner free to pilots/families. Noon combat demo. 100' x 700' grass runway. Great concession stand. Site is 22 miles east of Hwy 98 and 2 miles west of Wewahitchka on Hwy 22. Follow IMAA airshow signs. Benefit for Taunton Family Children's Home. Sponsor: EMERALD COAST MODEL AVIATORS

### **IMAA District V Mini Fest**

FL  
10/26/06-10/28/06 - Jacksonville, FL (C-Restricted to IMAA) IMAA District V Mini-Fest. Site: Lannie RD Flying Field. Buford Howard CD, PO Box 892 Callahan FL 32011 PH:904-879-2834 email: [bhoward32011@aol.com](mailto:bhoward32011@aol.com). Wingspan 80 inch mono, 60 inch biplane. 3-D flying during exhibition time slot. Contact CD for time. RV parking, no hookups. Landing fee \$20 all three days, includes Friday night barbeque dinner. [www.gatewayrc.org](http://www.gatewayrc.org) for directions. Sponsor: GATEWAY RC

## **Chief Treasurer- sam Varn**

*Editor's Note: The Treasurer's report is published for Members only. The public version of the Newsletter does not include this information.*

Here's the way our September has been shaking out:

I have paid John Hall for building the workbench (materials), Geoff Lawrence for various field maintenance items and Pitstop for their services through the end of the year. We picked up a couple of more dues payments from the new guys at our last meeting. Here are our current balances:

## **Chief Scribe- Steve Warmath**

The September Club meeting was called to order at approximately 7:10 pm.

### **Visitor/ New member Introductions-**

New Members Present- **John Rushing, Randy DeMarco, Andre Pozzuoli**

Guests-

**The Treasurer's Report-** Sam reported that PayPal was back up and actually gave good customer service when talking to a person. The Club paid John Hall for fuel for the tractor and table construction. Sam stated the money summary was in the newsletter and was current. The report was accepted as presented.

### **Old Business-**

- Mike wanted to clarify the County Park activity funding issue raised in the last meeting. The idea of special interest groups having to fund their own activities was not totally accurate. The thinking was that special activities that were expense generators, i.e., a regional soapbox derby event, would have to fund the expense of hosting such an event. As far as general activity establishment within the park, the County will be helping with some basic funding. It is unknown at this time what exactly the County will be funding/ providing for our relocation to the new field. We may have to take care of some of the small stuff. Mike will be attending a Parks and Recreation meeting next Thursday night. The Landscape Architect will present three master plans with about 5 activities to the Citizens Community Meeting in December or January to receive feedback. A final plan will be presented to the County Commission for approval. It is expected the plan will include Soap Box, RC Cars, RC Flying and Sport Fields. Mike suggested that once the plan is set, after elections, that we should put together a group of members to meet with Commissioners to introduce the Club and our activities prior to their voting on the master plan.
- Theo Titus inquired about what was determined to be the problem with the mower after it was serviced. Geoff said the mower got new blades, lube and oil change. A contributing problem was the use of oil not specifically recommended by the manufacturer was causing oil to seep past the rings because the rings weren't properly seating with synthetic oil. The oil change reduced the amount of oil the mower was burning.
- The Fall Fly-In was set for October 14<sup>th</sup> from 12:00 – 5:00. HobbyTown will provide concessions. Right now the times are 12- 5. Mike would ask Dave Sellers to inquire with the neighbors about a 9:00 early start.
- Mike noted he was still trying to meet with the County about moving the Club sign.
- Frank noted his weekday store hours were changing to 11:00- 8:00 pm. Weekend hours would remain the same.

### **New Business-**

- Mike said he had asked Norm Thomas (County) about mowing the high grass around the field. Norm said they had experienced mechanical breakdowns and were 3-4 weeks behind schedule but were intending to do it. Mike stated he would be at the field Saturday with his tractor and bush hog to mow. Anyone that could come out and help would be appreciated.
- Bob Burke expressed his concern about using the Club mower to mow the tall grass around the Heli pads and the driveway to the parking lot. Gordie Meade said it was done carefully with successive lowering the blade and felt it was not done often enough to be a significant detriment to the mower. Geoff thanked Bob for his concern.
- Theo Titus noted he had been storing old VHS tapes on RC events in the past and was giving them back to the Club for disposition. Mike also noted he had books that he was holding. It was hoped we would someday have a Clubhouse with a library where the items could be stored for access by the members.

- Mike reminded everyone that elections were coming up in December and encouraged everyone to be thinking about nominations. The Bylaws require the Secretary, Steve Warmath, to publish a slate of officers at the November meeting. Mike stated he would be stepping down as President but will continue to be involved in the County Park Citizens Committee. Geoff Lawrence also would be stepping down due to personal commitments. Sam stated he would continue as Treasurer unless someone wanted to run for the position. Steve noted that if someone wants to nominate someone as an officer, that person nominated should be willing to accept the nomination beforehand. A person can nominate his or her self as well. Nominations should be sent to Steve Warmath, Secretary, at [ssw@nettally.com](mailto:ssw@nettally.com) prior to the November meeting.

### Announcements-

- October's Club meeting will be the last at the field for the year. The November meeting will be back at Grace Lutheran Church on Miccosukee Rd. at 7:30 pm.
- Theo had received the flyer for the Wewahitchka Fly-in October 7-8. It is a charity event and he encouraged everyone to attend. (See Flyer reproduced in this month's Newsletter).
- Jeff Owens reminded everyone that we have a web site that people can send in "For Sale" items, photos, etc. to him and he would post it. See the web site for contact information for Jeff. [www.seminolerc.com](http://www.seminolerc.com)

With no additional business, the meeting was adjourned at approximately 7:45 pm. Flying resumed after the meeting.

## C-17 Monster Ship

The four builders are shown in the left of the image. Colin Straus, the owner, is at the nose of the aircraft.

This 1/9th scale radio-controlled C-17 model was built in the United Kingdom. To date it has about 20 flights. It was built as the centerpiece of a 15 program television series produced in the U.K. for the Home and Leisure satellite TV channel. Built with the aid of three friends, it took one year to build and is powered with 4 Jetcat P-120 turbines with a total

thrust of 108 lbs. The model weighs over 250 lbs fuelled, and carries 12.5 liters (3.3 US gallons) of 95% kerosene and 5% turbine oil fuel. Other details include 5 Futaba PCM receivers, 16 battery packs (93 cells), 20 Futaba servos, on board air compressor, electro/pneumatic retracts, etc. Wingspan is 20 feet 8 inches, and the top of the fin is 74 inches (6 feet 2 inches) above the ground. Takeoff weight is 264 lbs. The rear cargo doors open and they drop an r/c jeep on a pallet, as well as 2 free-fall r/c parachutists. The model also has smoke systems both of the inboard turbines, and uses 2.4 GHz data link to provide real-time data to a laptop computer on the ground while in flight, this data includes airspeed, turbine RPM, EGT, fuel consumption, etc. It is covered in fiberglass and epoxy resin. Built mainly from balsa and ply, with many glass and carbon fiber moldings to reduce weight. This C-17 Globemaster III is one of the largest jet models in the world today! Complete with retractable landing gear and pneumatically operated flaps.



# **ADHESIVES** by Roger Layton

**Cyanoacrylate adhesives:** The history that abounds relative development of CA is this. It was developed as an alternative to sutures and bandages for treating open battlefield wounds during the Vietnam War. This seems to make sense in light of its ability to instantly weld the fingers together of any careless modeler. That little bottle of instant repairs that you buy is actually a chemical called cyanoacrylate monomer, which, except for an inhibitor, would instantly form a single plastic blob of polymer with accompanying heat and fury that would resemble the China Syndrome. CA was on the market for a number of years before it came to the construction hobbies. The adhesive was so fluid that it could only be used to mend nonporous materials like ceramic, plastic, and glass. It certainly did not work on balsa, which merely soaked it up like a sponge. Later, when viscosity modifiers were added, it became generally useful and ended up "in our hands" (pun intended). The advantages of CA are speed and hold. The disadvantages are cost, vapor, and brittleness. Please be your own judge but I will not use it for whole plane construction. It has a place and is excellent in certain applications. For many butt joints and T-joints, CA is too brittle, especially in large airplanes. Aliphatic glue is a much better choice. CA is specified as the adhesive of choice for wing skins. In this application, it is too hard and makes sanding to an invisible butt joint very difficult. Animal glue like Sigmant is the quintessential choice since it is the sole truly sandable adhesive. Cyanoacrylates are excellent for tacking parts into place to speed up construction followed by re-gluing with an aliphatic adhesive. CA is unequalled for making repairs and piecing a crashed beauty back together. When you use CA, be careful not to draw debris such as sawdust or baking soda (incidentally a good inexpensive accelerant) into the bottle. It may cause the entire contents to harden.

**Aliphatic glue:** The parent for this type of glue is doubtlessly Borden's white glue. Borden's is very strong glue, which penetrates wood well. A second generation of such glues contains fillers, which render them somewhat "sandable." Regardless of the claims, none are truly sandable since their binder is rubbery. In my mind, more expensive is not better. The hobby store brands like Pica's "Gluit" and others are expensive and not very sandable. Borden's yellow woodworkers glue is strong, inexpensive, and as sandable as any I have found. On large built up fuses and wings, I recommend using Borden's woodworker's glue for most of the "inside" construction including attachment of the skin. But I glue the skins together and other places to be subsequently sanded with Sigmant. Firewalls, landing gear blocks, and hard points are attached with epoxy.

**Silicon caulk or RTV:** This is an excellent adhesive, which does not harden. This provides considerable shock absorption. This material is particularly good for attaching parts inside fiberglass fuselages. There must be ample gluing surface. Fiberglass flexes in a finished airplane during flight will cause brittle joints made with CA epoxy or other adhesives to fail. Many servo trays have broken loose during a hard landing. Certainly, you have noticed the vinegar-like smell of silicon adhesive when it cures. Do not use this adhesive around electrical components. Connect cells in a battery with hot melt adhesive.

**Rubber cement:** The next time you want to make little protective foam boxes for your receivers or batteries use rubber cement. It maintains its flexibility and will never let go once it is dry.

**3M Spray Adhesive:** Formula 77 is excellent for attaching paper rib and bulkhead patterns to balsa or plywood during scratch building. If you want to remove the pattern from the wood after cutting, allow the adhesive to dry on the paper for more than a minute before applying. The paper will not stick quite so tightly and the adhesive will not transfer to the wood. 3M can also be used to hold 6oz. fiberglass in position on the wing center while epoxy or polyester resin is applied. It is great to hold plans flat on building board.

[from Rock Valley RC Flyers, Rockford, IL.]

# **SEALING HINGE GAPS** By Clay Ramskill

OK - you've finished up the plane; a pretty covering job, all the radio gear working properly, balanced fore and aft, AND laterally - all ready to go. Maybe not - did you seal the hinge lines?

Why should I, you might ask? We've all seen lots of planes fly OK without any fuss over hinge lines. How about less drag, quicker rolls, better turns, more precise control?

Note that we're speaking of fairly small improvements here. But with many planes, you can get at least noticeable improvement, over a wide range of performance criteria. All this with little work, expense, or extra weight!

Let's take a simple peek at the principles involved - you'll see better how all this works. For example, we'll look at a typical aileron installation. Our aileron, shown here (Fig. 1) in its trim position, un-deflected, acts as part of the wing. The wing depends on reasonably smooth airflow around it to generate higher air pressure on the bottom, lower pressure on top. It is this pressure differential, spread over the area of the wing, that gives us the lift we need. When our aileron is deflected, we get a higher (in the case shown) pressure differential, causing extra lift. On the other wing, raising the aileron would cause less pressure differential or even reverse it (in the aileron area), decreasing lift on that wing.

-And we get a roll.

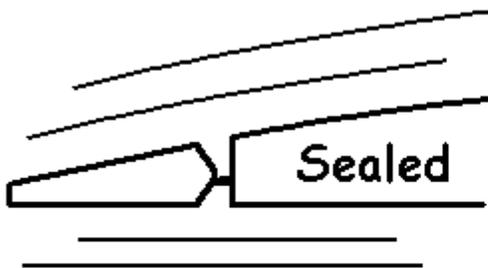
With our gaps unsealed (Fig. 2), we get the same type of result, but not as efficiently. There are two detrimental effects: 1) Air bleeds through the hinge gap, from high to low pressure, decreasing the pressure differential in that area; 2) The air bleeding through the gap causes some disruption in the airflow over that part of the wing. These two effects will decrease lift and increase drag, by small amounts.

Deflecting our ailerons makes the situation worse. The deflection of air increases the pressure differential, and even more air will pour through the unsealed gap, magnifying the detrimental effects!

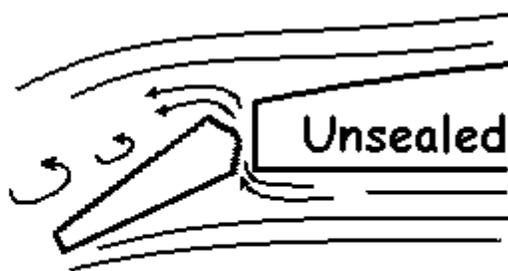
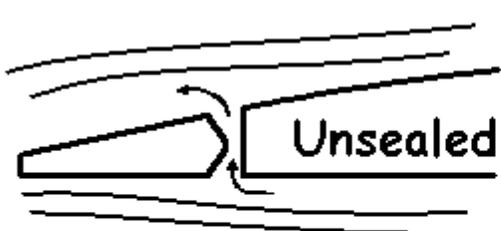
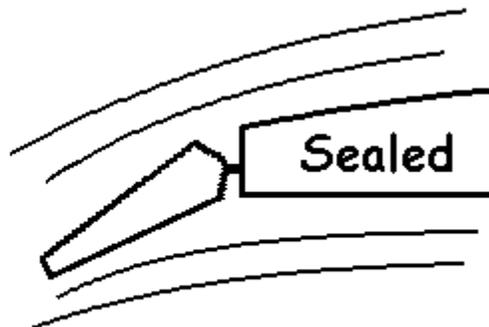
Notice that the problems associated with an unsealed gap would also apply to our elevator or rudder, when those surfaces are deflected.

The 'more precise control' effect is a bit harder to explain. But looking at figure 2, you can deduce that the flow lines across the aileron are not as smooth, and there is an area near the aileron surface that has more turbulent air. When you make a small aileron correction, the response will not be as positive.

Your plane WILL fly more precisely and efficiently with hinge gaps sealed. And more often as not, the difference will at least be noticeable! This is a situation where you can 'do something nice' for your plane (and for yourself, the pilot) without much hassle.



**Fig. 1 Smooth Flow**



**Fig. 2 Less Efficient Flow**

## You Might Be An RC Modeler If..

- ...You have ever glued both hands together with CA and had to use an exacto knife in your teeth to cut them apart.
- ...You have taken your plane off and panic on the third lap, realizing that you haven't extended the transmitter antenna.
- ...You have built two right wings for a single wing plane.
- ...You get to the field and realize your transmitter is still on charge at home.
- ...You have switched your retracts up while you taxi your plane out to take off.
- ...You lean over your just-finished new plane to brush off a bug and drop a screwdriver out of your shirt pocket that rips through the wing monocote.
- ...You are making an inverted low pass and then pull "UP" on the elevator.
- ...You have taken your plane off with the igniter still clipped to the engine's glow plug. ....You ever had to jump over your plane as you were landing it.
- ...You have more than one scar on your "cranking" hand.
- ...You have fuel stains on your new sneakers.
- ...You are shopping for land to build your dream home on, and would rather have flat, open pasture land than rolling wooded hills.
- ...You spend more time browsing Tower Hobbies catalogs than the TV guide.
- ...You will go flying when it's 104? But won't cut the grass cause "it's too hot out there".
- ...You have 47 miscellaneous NiCad batteries and can't find a pair of D cells for your flashlight.
- ...Your O.S. engine purrs like a kitten but the family car will barely run.
- ...You see your wife ironing while wearing a thin nighty and it reminds you of the monocote job you need to finish.
- ...100 deg. is forecast for the weekend and you hope there isn't a breeze blowing.
- ...You smash your thumb with a hammer while doing a project for your wife and the only thing you worry about is `will it be healed by the weekend'.
- ...You have grass stains on the knees of your favorite slacks.
- ...Your wife wants to buy a new mini-van and the only thing you are concerned with is `will the back seats remove easily'.

# 16<sup>TH</sup> ANNUAL FLY-IN!

Join us at our  
Parker Farms Campground Site  
in  
Wewahitchka, FL

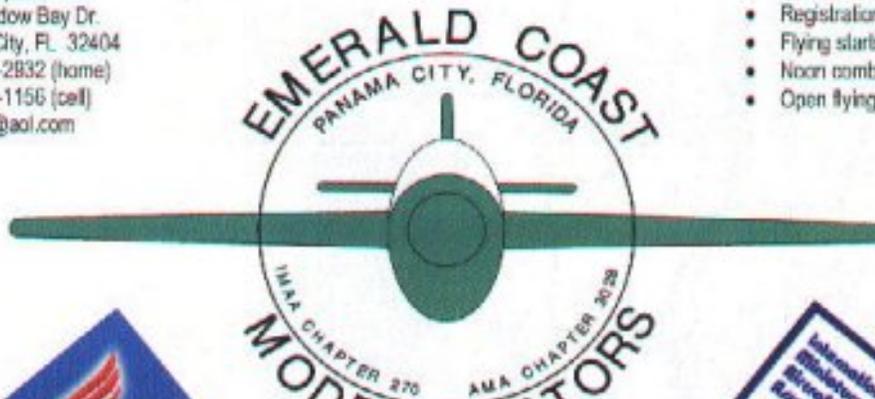
**October 7<sup>th</sup> and 8<sup>th</sup> 2006**

Benefit - Taunton Family Children's  
Home

FULL HOOK-UP CAMPSITES AVAILABLE - \$12/NIGHT  
SAME GREAT CONCESSIONS!!  
FREE PILOT/FAMILY/FRIENDS DINNER SATURDAY EVENING

AMA Contest Director  
IMAA Event Director  
Doug Sampson  
7476 Shadow Bay Dr.  
Panama City, FL 32404  
(850) 874-2832 (home)  
(850) 832-1156 (cell)  
DSam41@aol.com

- **IMAA rules apply**
- \$10 Landing Fee
- Registration 8:00 AM
- Flying starts @ 9:00
- Noon combat
- Open flying Monday



[www.fly-ecma.org](http://www.fly-ecma.org)



Sanctions

AMA - 06-0847 IMAA - FL06-270-10-07-08

**HobbyTown USA®**

# **1st Annual Fall Fly-In**

**October 14, 2006**

**Hosted by:**



**\$10.00 Landing fee includes lunch  
and raffle ticket for Radio system**

**Flying starts at 10:00 am**

**and concludes at 6:00 pm**

**AMA required.**

**Heli and Flight Demonstrations at 1:00 pm**

**Directions to the field may be**

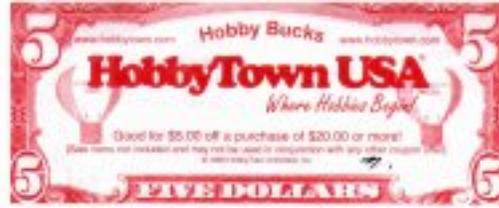
**found on the Club's website.**

**Use main park entrance and follow  
the signs.**

**[www.seminolerc.com](http://www.seminolerc.com)**

## Classified Advertisements/ For Sale

**HobbyTown-** Stop by the store and pick up your coupon for \$5.00 off on your next purchase over \$20.00.



**FOR SALE-** Alan

**Fuji Imvac BT-64A 64cc Gas w/Muffler & Butterfly Carb**

Price New: \$369.99 Sell for: \$300.00 Includes Muffler.

**Great Planes Aluminum Spinner 1/3 Scale CAP 580**

Price New: \$26.99 Sell For: \$15.00

**(2) Top Flite 22x10 Power Point Propeller**

Price New: \$17.99 Each Sell Both for: \$20.00

Total Cost for all Items above: \$335.00. Will sell Engine "only" at the price of: \$300.00 if you so desire. (Prices firm)

I have had this engine for 1 year. Engine has been run on engine stand and it has One Tank of gas through it. This engine has been sitting in the box and has not been run since. Engine is in "excellent condition" and has never flown, just test run on a bench and has yet to be broken in fully. I am out of the hobby for a few months due to taking flying lessons. Will be back in the hobby next year.

You can reach me at: [awpilot7@yahoo.com](mailto:awpilot7@yahoo.com) or call me at: 216-1436

I am local just down the road from the church on Miccosukee Rd.



# Seminole Radio Control Club Tallahassee, FL

AMA Charter #216, 1969-2006

## SRCC Officers

President – Mike Atkinson  
Vice President – Geoff Lawrence  
Secretary/ Newsletter Editor – Stephen Warmath  
Treasurer - Sam Varn  
Field Marshall – John Hall  
Field Safety Officer- Gordie Meade

## Field Hours

12 Noon till Dark- These hours apply to **all** aircraft, gas **and** electric.

## Training Notes

To schedule a training time contact Mike Atkinson.

## Flight Instructors

Mike Atkinson- Primary/ Advanced Flight Instructor (Coordinator)	926-4692
Geoff Lawrence- Primary/ Advanced Flight Instructor	942-9807
Mike Kinsey- Primary/ Advanced Flight Instructor	566-0144
John Hall- Primary/ Advanced Helicopter Flight Instructor	893-6457
Jay Leudecke- Primary/ Advanced Helicopter Flight Instructor	508-7135
Jeff Owens- Ground School/ Airworthiness Instructor (Fixed Wing)	894-2504
Steve Warmath- Ground School/ Airworthiness Instructor (Fixed Wing)	509-0672
Frank Bastos- Hobby Town Flight Demonstrator	671-2030
Don Coon- Leon High Aerospace Club Instructor	488-1971 x 2750

## **Club Meeting Location and Time**

**Please Note: Club meetings from April 2006 though October 2006 will be at the Flying Field at 7:00 pm. A cookout is planned for every meeting.**

The regular club meetings are held on the first Thursday of each month at 7:30 PM at the Grace Lutheran Church on Miccosukee Rd. Head out Miccosukee Rd., cross Capital Circle NE, and the entrance will be the first one on your right. Once you park, follow the sidewalk around the left side of the building and go down the hill. We meet in a room on the first level.

**Submissions-** Submissions are requested to be in M.S. Word format. Photos should be in .jpg or .tif format. Vector art accepted in Corel, Illustrator and AUTOCAD format. We will, however, accept anything to make it easier for those who wish to contribute. Submissions are due no later than the 23<sup>rd</sup> of the month. Send your submissions to [ssw@nettally.com](mailto:ssw@nettally.com) or by phone, Steve at 509-0672.

Hard Copy Printing of the SRCC  
Newsletter provided by Apogee  
Signs & Graphics.



ap-o-gee (n) - The farthest or highest point; the apex.  
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