

The Seminole Flyer

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A chartered member of the
Academy of Model
Aeronautics
AMA Charter #216, 1969-2006



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

DECEMBER 2006

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Float Fly- December 9, 2006 Lake Surovec

Letter from the Editor- Stephen Warmath

Well, I know we've all been good boys and girls this year. I'm hoping Santa doesn't forget those few little details I requested for Christmas. Our wishes and passions for this rather technical hobby make it difficult to express our desired gift ideas so that our loved ones have a clue as to what the heck we are talking about... **"Dear Santa: This year I'd like an e-Flite 46 brushless outrunner, a Castle Creations Phoenix-60 ESC and two ThunderPower 7.4v, 4200 mAh 2S2P Lipo power packs. Also, a Futaba 9C Air with CAMpac module, PCM receiver on Channel 50 and a remote control Panzer Tank.....INCOMING."** A what? Oh.....Uh.....how about a gift card from HobbyTown.

Support your local Hobby Shop this Holiday Season.

Our next Club meeting, we will be electing Officers for 2007. Come out and show your support.

Let's see.... This month we have a couple of technical installments as well as a few year-end philosophical wanderings. First up- **Finding**



Mean Aerodynamic Chord & C.G. A graphical solution to find the correct locations. The age-old, pesky problem of **Disorientation** can happen to anyone. What is it and how to avoid it? A mental attitude approach to building and flying is offered in “**The Basis of Everything**” and finally a little introspective, “**Skills and Traits of a Model Builder**”. A copy of the Club’s **Constitution and By-laws** are included this month for general information. It’s a good time of year to refresh our memories on what makes our Club tick. This is also published to our web site, so it can be readily reviewed by the membership at any time.

Happy Holidays and a Prosperous New Year- **Steve**

Chief Pilot- Mike Atkinson

Well, another year has nearly passed. We’ve seen our share of sad times this year, but for the most part, it has been a good year. I’m thankful to everyone who stepped up and helped in the day-to-day activities of the club, as well as those who chipped in during special events. I’m especially thankful to Frank Bastos and Hobbytown USA for all their help. Frank has sacrificed both family and professional time to help out with club events. Without his help, most of our events would have fizzled out. If you aren’t supporting your local hobby shop, you are only hurting yourself. Before Frank came to town, we saw what happens with a poorly run hobby shop. We really don’t want to go back there. This Christmas season, get your stuff from Frank! If you’ve already got everything you need, tell your family and friends to get you a gift card. I use mine well into the year, buying stuff as I need it.



On November 17th, Frank Bastos, Geoff Lawrence, John Hall, and I went to Medart Elementary School in Crawfordville, to perform an air show for the kids. They gave us 2 separate 45-minute slots to fill. We were able to give them a good mix of aerobatic helicopters, fixed wing aircraft, various flying things (lawn mower and race car), and a very entertaining limbo presentation. We finished off each segment with a candy drop over the kids. The administration was very appreciative and invited us back next year. SRCC and Hobbytown USA have teamed up to present these air shows. We’ll have another one at Shadeville Elementary in Crawfordville, in April. If you know any other schools with plenty of flying room that want us to put together a show, let me know and I’ll try to arrange it.

The club is having another float fly-in at Francis Surovec’s lake on December 9, 2006. We’re going to try to start around 9:00 a.m. I’ll get more information out as the time approaches. If you haven’t been to his lake place, don’t miss this one! See directions below.

Club elections are scheduled for December 7, 2006. Right now, we have the following candidates: President – **John Hall**, Vice-president – **Brad Sharp**, Treasurer – **Sam Varn**, Secretary – **Stephen Warmath**. Nominations are still accepted up to the time of the vote. If you can’t be at the meeting, and want to vote, let Stephen Warmath know you need an absentee ballot. If there are no contested offices, however, there is no need for an absentee ballot.

Thanks again to everyone who has helped out this year. We could not have done it without you!

Chief Copilot- Geoff Lawrence

[Upcoming Club Events](#)

December 7, 2006- Club Meeting at Grace Lutheran Church. 7:30 pm. **Annual Officer Elections.**

December 9, 2006- Float Fly, Lake Surovec 9:00 am .

Directions to Float Fly

Drive North on Meridan Rd and cross the FL/GA stateline. After passing the state line drive 2.8 miles to first road on left (Hadley Ferry Rd). Turn LEFT onto Hadley Ferry Rd. Drive over the Och. River, 3.1 miles to first road on the left (Gainey Rd).

Turn LEFT onto Gainey Rd. Drive 1.5 miles to first road on the left (Lower Hawthorn Rd.) Turn LEFT onto Lower Hawthorn Rd. Drive .4 miles to first DIRT road on the left (Dickey

Ferry Rd.) Drive .5 miles on Dickey Ferry Rd. to 311 Dickey Ferry Road.... entrance gate is on the LEFT. – Follow driveway to the back of the cabin for parking. For those who are closer to Thomasville Rd....Drive North on Thomasville Rd. to the "Tall Timbers Research Center" sign.... Turn LEFT over Thomasville Road to Rt 12. Drive about .8 miles to Beth Page Road, first road on the RIGHT. Follow Beth Page Road (1 mile of this road is dirt, sorry about that Mr. Burke!) and it ends up at the intersection of Meridian and Hadley Ferry Rd. Then follow the above directions to the lake. Please bring wives and whoever because the small cabin has a/c and "facilities"..... also bring along something to sit on and watch the activities from the covered porch... The activities can begin at 9 AM and we would like to wrap things up around 2 PM so we can lock up and GO HOME!

Upcoming AMA Regional Events

Tangerine Pylon

FL
12/1/06-12/3/06 - Apopka, FL (A) Tangerine Pylon for 422, 424, 428 (JSO). Site: Club Field. Gary Freeman CD, 100 S Taproot Dr Winter Springs FL 32708 PH:407-695-1855 email: garysr@att.net. Sponsor: RCACF

Chili Cookout

FL
12/2/06-12/3/06 - Palm Bay, FL (AA) Chili Cookout for CAT III 101, 102, 103, 104, 105, 101C, 102-103C, 104-105C, 106, 107, 120, 121, 122, 124, 128, 140, 142, 150, 151, 152, 153, 154, 155, 160, 161, 162, 163. Jerry Wagner CD, 1767 New Pt Comfort Rd Englewood FL 34223 PH:941-474-4959. Sponsor: FL MODELERS ASSN

Toys for Tots Fly In

FL
12/02/06 - Jacksonville, FL (C) Toys for Tots Fly In. Site: Lannie Rd Flying Field. Bob Davis CD, 2730 Hidden Village Dr Jacksonville FL PH:904-343-7116 email: bobdavis1968@gmail.com. 3rd Annual Toys for Tots Fly In. Bring a \$10 value, new, unwrapped toy for boy or girl as landing fee, or \$10 cash. Hot and Cold drinks, food, homemade chili. Limited RV parking no hookups, modern rest room facilities on premises. Pilots, prizes and raffle. Visit www.gatewayrc.org for info and directions. Sponsor: GATEWAY RC

Toys for Tots

FL
12/02/06 - Morristown, FL (C) Toys for Tots. Site: Club Field. Richard Hinton CD, 851 SE 148th Terrace Williston FL 32696 PH:352-528-9729 email: rhinton1@peoplepc.com. Visit www.onewinglowssquadron.org. Sponsor: ONE WING LOW SQUADRON

Warbirds Over Port St Lucie

FL
12/02/06-12/03/06 - Port St Lucie, FL (C) Warbirds Over Port St Lucie. Site: Midway Field. Chris Costantino CD, 9639 Fairwood Court Port St Lucie FL 34986 PH:772-201-5509 email: docbridges2@aol.com. Directions: I95 exit 126 east on midway to Torino, right turn to Blanton Blvd, right turn; field is on North side. Sponsor: SUNDANCERS

IRCC Winter Fly In

FL
12/02/06-12/03/06 - Mulberry, FL (C-Restricted to IMAA) IRCC Winter Fly In. Site: Club Field. David DeWitt CD, 1810 Staunton Ave Lakeland FL 33803 PH:863-838-4459 email: benz425@aol.com. Sponsor: IMPERIAL RC CLUB

2nd Annual Battle for Boca

FL
12/9/06 - Boca Raton, FL (A) 2nd Annual "Battle for Boca" for 755 (JSO). Site: RC Flying Site in Southeast Regional Park. Chris Handegard CD, 2774 New York St West Palm Beach FL 33406 PH:561-723-2440 email: chandegard@peersonaudio.com. RC Combat Contest, AMA rules for Open B Combat apply. Field open 8:00 a.m. Start Combat 10:00 a.m. Entry fee \$20 includes lunch. Trophies 1st to 5th place. Go to www.rccombat.com to sign up on line. Sponsor: GOLD COAST RADIO CONTROLLERS

Warbirds Fly In

FL
12/09/06-12/10/06 - Sarasota, FL (C) Warbirds Fly In. Site: Club Field. Nicholas Ziroli CD, 4417 Lords Ave Sarasota FL 34231 PH:941-924-3868 email: njziroli@juno.com. I75 exit #207 - East 4 miles to Field entrance. Noise restrictions

apply 104dB(A) at nine feet. Any era warbird - no ugly sticks, etc. Visit www.sarasotarc.com. Sponsor: SARASOTA RC SQUADRON

The Gateway Winter Swap Meet/Fly In

FL
12/09/06 - Jacksonville, FL (C) The Gateway Winter Swap Meet/Fly In. Site: Lannie Rd Flying Field. Joseph Nothhaft CD, 450752 Old Dixie Hwy Callahan FL 32011 PH:904-566-1407 email: jojoe32011@wmconnect.com. Primitive camping - indoor restrooms. Food and Drinks available. Strict frequency control on for sale radios. No landing fee. Sponsor: GATEWAY RC

Tangerine Classic

FL
12/9/06-12/10/06 - Apopka, FL (AA) Tangerine Classic for 401, 402, 403, 404, 406 (O). Site: Club Field. Steve Homenda CD, 1829 Sparkling Water Cir Ocoee FL 34761 PH:40-294-1436 email: homenda2@yahoo.com. Sponsor: RCACF

King Orange International

FL
12/29/06-12/31/06 - Palm Bay, FL (AAA) King Orange International for Cat III 101, 101C, 124, 140, 142(J)(SO), 102, 103, 104, 105, 102-103C, 104-105C, 106, 120, 122, 128, 150, 151, 152, 153, 154, 155, 160, 161, 162, 163(JSO). Site: Palm Bay Site. Joe Clawson CD, 401 Almansa St Palm Bay FL 32907 PH:321-984-8718 email: claw3132@netzero.net. America's Cup, National Cup, FAC Events, SAM, Nostalgia. Sponsor: FLORIDA MODELERS ASSOCIATION

Upcoming IMAA Regional Events

Chap. 197 - "IRCC Winter District Fly-In" - December 2nd & 3rd, 2006

LF \$10 reg 8am fly 9am RV PR SF food/bev Pilots raffle No Turbine powered aircraft 27 acres of grass w/ 600' x 30' PR, Pilots required to fly race track pattern, 3D flights will be allowed at designated times only. We will have flight line coordinators to keep the event fun and safe for all. Located: Newell Terry Field Mulberry, FL 2 miles East of Mulberry on Hwy SR-60 Super 8 Motel less than 1 mile from flying site

Club Website: www.imperialrcclub.com

Contact: 1810 Staunton Ave., Lakeland, FL 33803-2554 (863) 838-4459

E-mail: benz425@aol.com

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.

We've had virtually no financial activity this month except for one new member, Chad Jackson. Other than that and reimbursing Ron Whichel for the plane retrieval downspout it's been very quiet. Here's our numbers as of 11/27/06:

Cash -	Checking -	CD -	Savings -
Total Funds –			

That's all I've got for now....except to finish off all those Thanksgiving left-overs!

Sam

Chief Scribe- Steve Warmath

The November Club meeting was called to order at approximately 7:30 pm.

Visitor/ New member Introductions-

New Members Present- **Chad Jackson** Relocated from Kansas City. Welcome Chad.

Guests-

The Treasurer's Report- Sam read off the current account amounts. He said the big news was the club made a good profit from the Fall Fly-In after expenses. A big thanks was given to Frank Bastos of HobbyTown for sponsoring the event. Motion to accept the treasurer's report was made, seconded and passed.

Old Business-

- The plane retrieval gutter sections were procured.
- Club Badges and Pins were still in the works. Richard Wynn has the artwork and is working out the details.
- The next Landfill meeting (public) is the second Thursday of November.

New Business-

- A reminder about upcoming elections was given. New nominations were accepted for **John Hall- President, Shannon Black- Vice President, Brad Sharp- Vice President.** (*Secretaries Note: Shannon Black was later determined to be ineligible because of tenure with the Club- Min. 1 year required per the Club Constitution.*)
- A discussion on the idea of combining the December Club meeting with the Float-Fly was tabled since the December meeting is a voting meeting for 2007 Club Officers and needed to be a separate activity. The next Club meeting will be December 7th at the church and the Float Fly will tentatively be on December 9th at Lake Surovec with flying starting at 9:00.
- Future activities were discussed. A possible First Annual Spring Fly-In May 5, 2007. Airfest 2007 May 19 & 20, 2007. The EAA wants us to come back.
- The Medart Elementary School Air show is scheduled for November 17th. There will be two events. The first will be at 12:45 and the second at 1:45. Everyone is welcome to come out, especially those flying electrics.

Announcements-

- Appreciation was given to everyone who helped with the upkeep of the field this year. Great Job to John Hall, Gordie Meade, Tristan Seeley and Geoff Lawrence, Mike Atkinson and all who helped out!
- Ant poison was needed at the Field.

With no additional business, the meeting was adjourned at approximately 8:00 pm.

Secretary Note- The following Club Members are on the ballot for 2007 Club Officer elections in December.

SRCC Officers

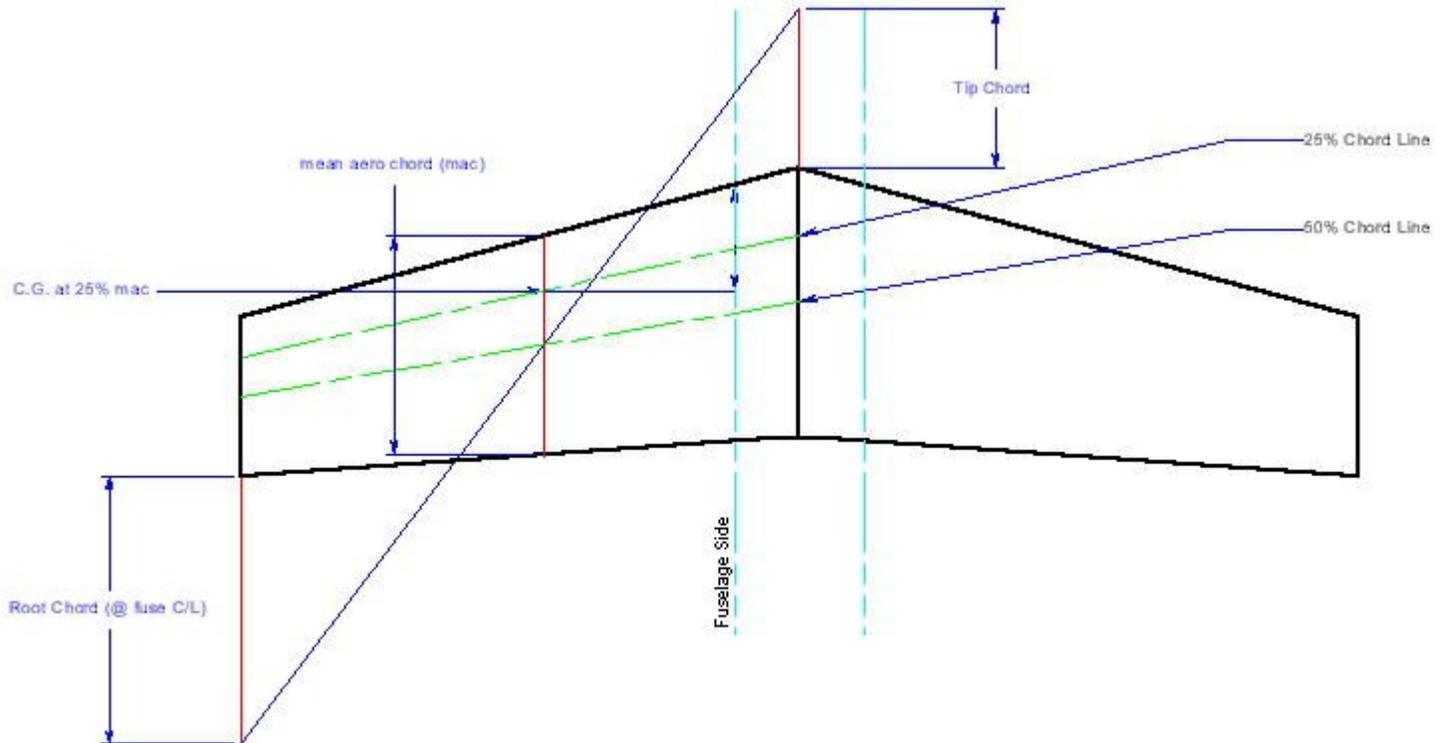
President - **John Hall**

Vice President- **Brad Sharp**

Secretary - **Stephen Warmath** (incumbent)

Treasurer - **Sam Varn** (incumbent)

Finding mean aerodynamic chord (mac) & C.G. Ken Blackwell Enterprise, AL



Graphic method for finding mac/C.G.

By “definition” the aerodynamic wing of an airplane includes the area inside the fuselage whether you have a plug-in or one-piece wing. The “aerodynamic root chord” is always on the centerline of the fuselage. If you have plug-in wings you will have to extend it to the fuselage centerline “on paper” to find the aerodynamic root chord.

If you have plans use them for this exercise. Note the scale of the drawing and check to be sure of the scale. If plans drawings aren’t available, you will have to measure your wing, fuse thickness, etc then put them on a drawing. If making a new drawing, do it at $\frac{1}{4}$ or $\frac{1}{2}$ scale. Of course you have to multiply the result by 4 or 2 to get the C.G. location.

For the following exercise don’t include rounded or swept tips. Draw a line at the tip that is parallel to the root chord for these purposes.

1. Draw a line connecting the root and tip chords at the 50% points.
2. Draw another line connecting the root and tip chords at the 25% points (or whatever percentage mac that you want to use for the C.G. but somewhere between (25% and 30%).
3. Draw a line equal to the length of the tip chord to the LE of the root chord.
4. Draw a line equal to the length of the root chord to the TE of the tip chord.
5. Connect the ends of the extension lines (3) and (4) with a line.
6. At the point where the diagonal line of (5) crosses the 50% chord line is where the wing mac is located. Draw a line through this point from the LE to the TE. This is your mac (mean aerodynamic chord).
7. Extend a line from the point where the 25% chord line crosses the mac to the side of the fuselage.

8. Measure forward from this line (7) to the wing LE (parallel to the root chord). This is the distance that you will balance your airplane i.e. the 25%mac C.G. (or whatever percent that you chose).

Disorientation Phenomenon when Flying Radio Control Aircraft

Whenever I mention the problem of becoming disoriented to a beginner or someone who is not involved with the hobby it always appears as if the extent of the problem doesn't sink in. I think a lot of people believe that it can't happen to them. Any experienced R/C pilot will confirm that disorientation is a very real problem.

Disorientation simply means that the model looks like it is going one way when in fact it is going in another direction altogether. You might think that if you keep the plane in close then it won't be possible to become disoriented. That simply isn't true. One can become disoriented regardless of the distance the model is from the pilot.

I still lose orientation of my models and have been flying for more years than I want to think about. When I lose orientation with the model at a higher altitude it doesn't trouble me too much because I can slow the model down and work it out by moving the controls and watching what the model does in response.

More disconcerting is becoming disoriented when the model is at a lower altitude. If you find out that the model really is going in a different direction than you think it is then you may not have time to do anything about it before it's in the ground.

I was watching my buddy Mike fly [Thwing!](#) the other day. Every time he made a turn at one end of the field I could swear he was turning the model away from the field when in fact he was turning the model back toward the field. After the first time I was fooled I paid closer attention to the model.

Each time he turned the model in the same area what I saw was the model going in the opposite direction. It was an optical illusion that would have caused me to lose the model had it happened when I was flying it. Fortunately, Mike was at the controls and not having the same problem.

Do not panic when you become disoriented

The model is probably going the way you think it should be going regardless of the message your eyes are sending to your brain. You can have confidence that the model is most likely on the course you last set it on unless the model flew through some funny air that flipped the airplane over.

Do not give any abrupt or prolonged control inputs. Wiggle the ailerons or elevator gently and watch what the aircraft does. The response of the model should give you clues as to what its attitude is.

Situational awareness is always helpful. Before you take off your model you should know who else is flying and who is standing nearby your pilot station. If you become disoriented call out to someone by name and tell him of your predicament. He will most likely be able to tell you in which direction the model is heading.

Selecting a Color Scheme for a Radio Control Airplane

I don't know this for certain, but based on my time spent with other pilots it seems that some pilots, such as myself, are more prone to becoming disoriented than others. It is always a good idea to choose a **highly visible, contrasting** color scheme for your radio control airplanes — especially if you're a beginner.

Your first few models should have color schemes that aid in orientation of the model. After you have more experience you can use your own judgment to determine the extent to which you need visual clues.

Color schemes that aid in orientation should differentiate between the top and bottom and the right from the left of the aircraft - even at relatively long distances. The way to do this is to choose highly contrasting colors that don't disappear or blend into the sky.

For example, you may want to put stripes on the top of the wing that run from one wing tip to the other. On the bottom of the wing you may want to use stripes that run from the leading edge to the trailing edge or another shape altogether such as large circles and squares.



This aircraft sports a sharply contrasting black and white wing. All you have to remember is that **right is white**. If you get disoriented then all you need to do is remember the rule.

If the plane is upside down then the colors are reversed, so the rule doesn't work. But there are other things that will give it away, such as the fact that the aircraft will dive for the ground when the sticks are at neutral.

Conversely, my [Herr Pitts Special](#) has a terrible color scheme from an orientation standpoint. The blue and white blend into the sky. The top and bottom of the wings have nearly identical trim.

Because of the color/trim scheme and the fact that the Pitts is a small, fast model. I lose orientation frequently. I have to depend on my experience as a pilot to trust that the model is going the way I told it to go. As a beginner, you simply do not want to be in that situation. Whenever I fly my Pitts I have a spotter standing by to help me if I become disoriented.

[A site that has very good information regarding color schemes and orientation](#)

The Basis of Everything Paul K. Johnson , Airfield Models

There are four attitudes that will guarantee better built, better flying aircraft. Hold yourself to a standard that is as high as possible but doesn't make you give up.

1. **Building an airplane that isn't straight is not acceptable.**

When you adopt this attitude you'll have a better understanding why I am so anal-retentive with some of my building techniques. If a former isn't flat then how do I know where on which edge to measure from?

An aircraft that isn't straight will never trim properly until it is. It doesn't matter how high end your computer radio is. The trim of a crooked model will always be speed-sensitive.

I hope I have just burdened you with a lot more work — devising ways of making sure all your work is straight. You're welcome.

Note for beginning builders: A crooked airplane will fly. Do the best you can. Your building skills will improve with experience and motivation. Your first few airplanes won't be perfect. That's ok and normal.

2. Building a model having anything that doesn't work properly is not acceptable.

Don't jury-rig your planes. Make sure each part works as intended before installing it. Fix any problem you find. Don't convince yourself that the problem will work itself out on its own.

3. Building an airplane that is unnecessarily heavy is not acceptable.

You have to understand the properties of the materials you work with in order to use them efficiently. Spend some time destroying some balsa (or whatever material) so you can learn what it can take. Bend it, drop it, twist it, hit it with a hammer. Do whatever you want to it so you can observe the results.

A nose dive into the ground is a lot more force than a soft blow with a hammer and many balsa aircraft survive the impact with nothing more than an easily removed dent or maybe not even a scratch.

4. How long it takes doesn't matter.

It may take six months to build a good model aircraft but you can have a crappy one much sooner. Wouldn't you rather have a good model for whatever its lifetime may be?

Build your plane well and fly it to its limits

Skills and Traits of the Model Builder

When I tell the average person that I am a model builder, 99.9% of the time the first thing they say is, "I do not have the patience for doing that." Then they usually make an unwittingly insulting remark such as, "You have too much time on your hands." Or even worse, "Wouldn't it be funny if it crashed?"

The problem as I and many other modelers see it is the general public has a misperception of what we do. Their only exposure to model building may have been their own unsatisfactory results or seeing kids in the neighborhood tossing small balsa airplanes around.

That is where most of us started, but the dedicated model-builder has advanced light-years beyond the rubber powered stick models that come in cellophane wrappers.

So what skills do model-builder possess? This page is a scratch pad of sorts. As I think of things I will put them here and add to the list. Maybe we'll enlighten the world. Or maybe that is a lost cause, but at the least we'll give ourselves more that we can feel good about besides the works of art we create. 😊

Personality Traits

- Attention to Detail and Accuracy Creative Disciplined Follows Directions
- Intelligent Problem-Solver Resourceful Visualizes Spatial Relationships

Skills

- Aerodynamics Component Construction Composite Construction
- Design and Layout Diagnostic skills (ruling out possibilities to find the source of the problem)
- Electronics Finishing Graphic Arts Hardware and Fittings selection and installation
- Laminating Material Management Material Selection Mathematics, Geometry and Physics
- Mechanical Engineering Metal Working Mold construction and composite lay-up
- Planning and Efficiency Project Management Propulsion systems Shop Management
- Structural Engineering Technical Drawing Technical Writing Wood-Working



SEMINOLE RADIO CONTROL CLUB CONSTITUTION

ARTICLE I Name of Organization

1. This organization shall be known as the Seminole Radio Control Club.

ARTICLE II Purpose and Intent

1. The purpose of this club shall be to further the development, building, and operation of radio controlled flying models as a hobby/sport.

ARTICLE III Membership

1. Membership defined:
 - a) General membership - Open to anyone at least 18 years of age meeting the requirements in Sections 2 and 3 of Article III. Shall include all rights and privileges offered by the club.
 - a) Probationary Member- A new member within the first contiguous calendar year of membership. This member is not eligible for elected office; however they may serve the Club in an appointed position. Member has full voting rights at Club meetings.
 - b) Senior member - Open to anyone at least 65 years of age meeting the requirements in Sections 2 and 3 of Article III and who has been a club member for 1 full year. Shall include all rights and privileges offered by the club.
 - c) Senior Plus - Open to anyone at least 80 years of age meeting the requirements in Sections 2 and 3 of Article III and who has been a club member for 1 full year. Senior Plus pays no dues and shall include all other rights and privileges offered by the club.
 - d) Family Membership - Open to family members meeting the requirements in Sections 2 and 3 of Article III who are immediate family members living in the same household. Family members have 1 vote per family membership, Family memberships only one family member is eligible for elected office and all other club privileges remain intact.
 - e) Junior membership - Open to anyone meeting the requirements in Sections 2 and 3 of Article III and under 18 years of age. Junior members have no voting rights, this member is not eligible for elected office, but all other club privileges remain intact. Members under 16 must be under the supervision of an

adult

- f) Associate membership – Open to anyone. This membership has no voting rights, no flying privileges and no club privileges. AMA is not required. This member is not eligible for elected office or committee chairs.
2. Applicants for membership with flying privileges must be members or show evidence of application for membership of the Academy of Model Aeronautics and must attend a meeting to apply for club membership.
3. All club members with flying privileges must maintain a current membership in the Academy of Model Aeronautics in order to remain members in good standing of the Seminole Radio Control Club.
4. Members qualifying for Senior or Senior Plus may opt to renew as either General member or Senior Member by paying the difference in dues if any.

ARTICLE IV Dues and Fees

1. Membership dues are due on the first day of the clubs fiscal year and cover a period through the end of the club's fiscal year.
2. A member is considered to be delinquent if the dues are not paid by the end of the meeting 60 days after the beginning of the clubs fiscal year the member will then be dropped from the rolls. A delinquent fee may be assessed if approved by a vote of the club membership.
3. Special assessments may be subject to membership approval.
4. The club fiscal year shall be determined by a vote of the club membership.
5. The amount of the annual dues in each category, the schedule of payments for partial year memberships, and any other fees shall be determined by a vote of the club membership.
6. If any member ceases to have the qualification necessary for membership in the AMA, his/her membership in the Club shall thereby terminate, subject to reinstatement upon restoration of eligibility.

ARTICLE V Officers

1. The officers shall be President, Vice-President, Secretary, and Treasurer.

ARTICLE VI Duties of Officers

1. President: Shall preside at all meetings of the membership, coordinate all committee activities, and enforce the constitution and by-laws to the best of his or her ability.
2. Vice-President: Shall assist the President in various duties, shall perform the duties of President in his or her absence, and shall be chairman of the Activities Committee.
3. Secretary: Shall take minutes, keep records, accept applications, correspond, and perform any other duties deemed necessary by the membership in order to keep the club's business in an orderly manner.
4. Treasurer: Shall maintain all of the club's cash and material assets, write and sign checks at the discretion of the President or Vice-President, and perform any other duties deemed necessary by the membership.

ARTICLE VII Election

1. Election of officers shall be held during the business meeting in December of each year.
2. Voting shall be by secret ballot or quorum, with simple majority of votes cast required to elect. Absentee ballots will be available upon request to any member.
3. A nominating committee shall present a slate of candidates at the first business meeting in November. Additional nominations may be made from the floor. All nominees must accept either verbally or in writing. All members shall be notified of the complete slate prior to the election.
4. The incumbent Secretary and one member-at-large shall comprise the poll committee. All absentee ballots must be delivered directly to the Secretary prior to the election. After the polls are closed, the poll committee shall

tally all votes and announce the winners.

5. Should a challenge arise following the announcement, an additional member-at-large shall be named to confirm the poll committee's count.
6. Any challenge being resolved, the ballots shall be destroyed, the winners declared the unanimous choice of the club members and the number of votes a particular candidate received shall remain secret.
7. Vacancies shall be filled by special election within sixty days.
8. Officers shall take office at the completion of the regular membership meeting in December.

Article VIII Administration

1. The highest authority shall be the membership assembled at all authorized meetings attended by at least two elected club officers. Authorized meetings must be announced to the majority of club membership at least 48 hours before the meeting is to take place
2. The officers shall be empowered to represent the club and shall negotiate for the club all business in both the normal maintenance and vital interest of the membership.

ARTICLE IX Meetings

1. The time and place may vary to suit conditions, but at least one membership meeting shall be held each month.
2. Special meetings can be called by the President with 5 days prior written notice, provided all members have been notified as to the business to be transacted at said meeting.
3. At any club meeting a simple majority shall be over 50% of the members voting at the meeting
4. Any member or probationary member of the Club may initiate a formal request for action by the Club Officers by submitting a written proposal to the President. The proposal shall include a written description of the nature, type, and extent of the Club Officer action recommended. The President of the Club shall forward copies of the proposal to other Officers for their consideration. Either the President, or any other Officer, may have the matter placed upon the working agenda of the next Club meeting.

ARTICLE X Amendments

1. Upon thirty days written notice by the officers to the full membership, stating the proposed amendment and the date upon which it will be voted, this constitution may be amended by a fifty-five percent majority of the voting members.
2. Absentee ballots shall be available upon request and shall be delivered to the Secretary prior to the voting time.
3. The incumbent Secretary and one member-at-large shall comprise the poll committee. After the polls are closed, the poll committee shall tally all votes and announce the results.
4. Should a challenge arise following the announcement, an additional member-at-large shall be named to confirm the poll committee's count.
5. Any challenge being resolved, the ballots shall be destroyed and the amendment declared, "passed" or "defeated". If "passed", it shall be effective immediately.

ARTICLE XI Duration

1. The duration of this Club shall be perpetual.

ARTICLE XII: Dissolution

1. The Corporation may be dissolved with the approval of a two-thirds (2/3)-majority vote of the total membership.
2. Upon the dissolution of the Corporation, the Officers shall, after paying or making provision for the payment of all of the liabilities of the Corporation, dispose of all the assets of the Corporation exclusively for the purposes of the Corporation in such manner, to the Academy of Model Aeronautics, Inc., or to such other organization or Organizations organized and operated exclusively for charitable, educational or scientific purposes as shall at the time qualify as an exempt organization or organizations under Section 501(c)(3) of the Internal Revenue

Code of 1986, as amended, or to such other organization with purposes similar to the purposes of this Corporation, as the Officers shall determine. Any of such assets not so disposed of shall be disposed of by the Court of Common Pleas (or similar court) of the county in which the principal office of this Corporation is then located, exclusively for such purposes and to such Organization or organizations, as said court shall determine, which are organized and operated exclusively for such purposes.

ARTICLE XIII: Incorporation

1. The incorporation of this membership shall be a minimum of three (3) of the four (4) elected officers.

BY-LAWS

1. General membership meetings shall be held the monthly at a location designated by the President and published in the club newsletter.
2. To be eligible for Office a nominee must have been a General Member in good standing for at least one year prior to his or her nomination.
3. Flying hours for aircraft are dictated by terms and conditions of our lease.
4. The following standing committees shall be established:
 - a) Nominating Committee: shall consist of the Secretary as chairman and two members-at-large. As necessary, the Nominating Committee shall present two candidates for each office.
 - b) Activities Committee: shall consist of the Vice-President as chairman and other members-at-large as are deemed necessary.
 - c) Safety Committee: shall consist of the "Safety Officer" (as appointed by the President) as chairman and other members-at-large as deemed necessary. The Safety Committee shall ensure existing safety regulations are enforced. This includes processing the grievance forms and following the existing grievance procedure documented in the by-laws.
 - d) Field Maintenance Committee: shall consist of a "Field Marshall" (as appointed by the President) as chairman and other members-at-large as deemed necessary. This committee shall ensure that the field is properly maintained and recommend improvement/changes.
 - e) Flight Training Committee: shall consist of those members-at-large who have demonstrated to the flight training committee an ability to competently instruct novice pilots. This committee shall review its membership as necessary to maintain quality instructors.
- * Standing committees shall be appointed at the first meeting of the year for a term of one year.
5. Other ad-hoc committees may be created at the President's discretion. Ad-hoc committees shall automatically be dissolved at the end of the appointing President's term.
6. This section provides for enforcement of the Safety Rules that are related to flying activities. It will be the responsibility of the Club Officers as stated in Article 1, Duties, Section 1 of the-Constitution, to address any unacceptable behavior by an Individual member or members, as defined by the Club Officers. Any individual may be expelled from membership from the Club by a two-thirds (2/3) majority vote of the Club Officers if, in the Club Officers' determination, such individual willfully commits any act or omission which is a violation of any of the terms of the Articles of Incorporation, Constitution and Bylaws, or the Rules of the AMA, or which is detrimental the Club, the AMA, or to model aviation.
7. All AMA safety rules shall be observed.
8. Additional field and flying rules determined by the AMA, our Lessor and/or the club membership and will be posted at the flying site.
9. Grievance Procedure
 1. *Purpose* The grievance procedure provides a mechanism to enforce existing safety rules by providing a progressive disciplinary system when needed. Although most complaints can be resolved informally, if a

complaint is serious or cannot be resolved informally, the matter should be referred to the Safety Committee for its consideration by means of a Grievance Form to be filled out and turned into the Safety Committee Chairman. At least one witness is required to sign the Grievance Form.

2. Safety Committee- The Safety Committee shall use its judgment in carrying out action on the following:
 - (a) A grievance form will be filled out and turned into the Safety Officer. At least one witness is required.
 - (b) FIRST VIOLATION
 - a. Viewpoints of both complainants and accused will be considered.
 - b. Complainant's name will be disclosed.
 - c. If it is determined that a safety violation has been committed, a verbal reprimand will be given to the accused by the Safety Committee, and this will be recorded in the committee files.
 - (c) SECOND VIOLATION
 - b. Viewpoints of both complainants and accused will be considered.
 - c. Complainant's name will be disclosed.
 - d. The accused has the right to a written rebuttal, to be reviewed by the Committee.
 - e. If the Committee so decides, the flying privileges of the accused will be suspended for thirty (30) days. Written notice of this shall be issued and a copy published in the Club newsletter.
 - (d) THIRD VIOLATION
 - a. Viewpoints of both complainants and accused will be considered.
 - b. Committee will notify the accused in writing and the Club members via the Club newsletter that the Club will vote on the expulsion of the accused at the next meeting
 - c. Said expulsion will last for a one-year minimum but may be longer if deemed necessary by the Officers.

Classified Advertisements/ For Sale

FOR SALE-

HOBICO NEXSTAR Trainer

New, never flown. Belonged to my brother who converted to the dark side. Engine- **OS 46 AX**, one tank of fuel break-in only. Futaba Skysport Transmitter, no receiver or servos. Package deal- \$250.00. Contact Steve Warmath 509-0672 or e-mail ssw@nettally.com



GWS F4U Corsair

THIS IS A QUALITY BRUSHLESS POWER SYSTEM. Add a mini crystal on your frequency and you're ready to fly!

Here's what you get:

- GWS Corsair (\$30 new)
- Himax 2025-5300kv brushless inrunner motor (\$53 new)
- GWS gear box (\$8 new)
- Castle Creations Phoenix 25, 25amp brushless speed controller w/ JST battery connector (\$65 new)
- GWS 4-channel receiver (\$22 new)
- 3 x Hitec HS-55 servos (\$42 new)
- Thunder Power 1320mah lipo battery w/JST connector (you'll need a lipo charger) (\$50 new)



This foam airframe has been crashed and repaired but still flies great.

Whole package cost over \$270 new! A brushless setup (motor, ESC, lipo) alone would cost a lot more than this entire RTF package. If you don't like the Corsair you can buy any other GWS airframe for \$30 and use

all the gear for a NEW plane. I will personally demo fly this model at the field for you before you buy it. Asking \$125 FIRM.

John Hall
john_hall@mindspring.com
(850)893-6457

Alpha Jet ducted fan profile jet from Hobby Lobby (\$57 new)

Do you have a NEED FOR SPEED!!! Well, if you do, this aerobatic jet is the ticket. Add a dual conversion crystal on your frequency and this model is ready to fly!



- Vasa VAS400 ducted fan unit (\$120 new)
- Mega 16/15/3 brushless motor (\$80 new)
- Castle Creations Phoenix35, 35 amp brushless speed controller w/ Deans ultra battery connector (\$90 new)
- Hitec Electron 6, 6-channel dual conversion full range receiver (negative shift for Futaba) (\$93 for flight pack w/ 3 servos new)
- 3 x Hitec HS-55 micro servos (incl. in flight pack)
- Deans whip antenna (\$9 new)
- Thunder Power 2100mah lipo battery w/ Deans ultra connector (you'll need a lipo charger) (\$75 new)
- 6-inch Deans ultra connector battery extension (\$10)

Here is a video of an Alpha Jet in flight:
http://www.aff-cnc.de/aff/vid/aff_alpha_jet.avi

This model has been flown probably 10 times max, NEVER been crashed or even required repair since new.

Whole package cost over \$534 new! You can have it for less than half the new price!

I will personally demo fly this model at the field for you before you buy it. It's a great model; I just don't fly it much any more due to my helicopter addiction. :-) Asking just \$250 FIRM.

The price is firm because this is a great deal at less than half the new price and the quality is high. AND, you get to see it fly before you buy so this is not some Perry-table-gee-I-wonder-if-it-will-fly-gamble-buy! :-)

John Hall
john_hall@mindspring.com
(850)893-6457

Wanted-

I would like a foam-cutting rig. I have seen hot wires that cut along templates attached to foam boards. Is there a way to see if someone has one of these rigs just gathering dust somewhere?
Thanks - Don M. Coon

Integrated Science Teacher
Leon High School
850.488.1971 x2750 before 8:30 AM or after 3 PM
www.leon.leon.k12.fl.us/lion/dept/science/coon/

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

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.

Newsletter 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 23rd of the month. Send your submissions to ssw@nettally.com or by phone, Steve Warmath 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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