



Flight Lines

MONTHLY PERIODICAL OF:
the Spirits of St. Louis R/C Flying Club, Inc.



**TIME TO RENEW
YOUR MEMBERSHIP**

WALT WILSON'S

LONGSTER WIMPY

Charter No. 396
an AMA Gold Level Leader Club
our 47th Year



This month's
TECHNICAL PRESENTATIONS
the latest

"Tip-of-the-Month"

Minutes from the meeting
and much more...

NEXT MEETING
NOVEMBER 15, 2012
BRIDGETON TRAILS LIBRARY, 7 PM



Stuff

by: Gary Pyles

Well, I'm back again.

Thank you again for the opportunity to be your club President. I appreciate your confidence in the leadership of the Spirits and look forward to another great year of events, activities, and flying. The position of President is always hard fought and the competition is stiff...

Do you believe that? The fact is that no one else wanted the job. Hard to believe isn't it? I would like to think I'm back because a majority of the membership likes the way things are going. Like I said, that is what I would like to believe. Anyway here I am.

As always, if you see something you believe needs to be addressed within the club's operation email me or call me. I will try to answer you directly and quickly.

Of all of the Elected Officer position in the Spirits, the Treasurer's Position is the most demanding. The rest of the elected officers take notes and try to figure out agendas and mostly mundane, boring



Bill Lindewirth with Scout Student

stuff. The Treasurer keeps watch of our finances on a continual basis.

Think about it... Every membership due paid, our lease, insurance, sanction fees, money to buy concessions, tracking revenue from concessions, reimbursements to members for expense items, etc. Sounds like a full-time job doesn't it.

So next time you see Bill Lindewirth, tell him thanks! He does it so you don't have to.

- See you at the field

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MEETING MINUTES

MEETING MINUTES: OCTOBER 11, 2012

By Walt Wilson, Retiring Secretary

Members signed in: Twenty-two members and two guests were present.

Secretary's Report: Walt Wilson, Secretary. Minutes were approved as published in last month's Flight Lines.

Treasurer's Report: Bill Lindewirth, Treasurer. We made a substantial profit on the Helicopter Fun-Fly. The Open House didn't attract as many people as in previous years, but still showed a small profit. Paul Geders asked that copies of the budget tracker be distributed for members at meetings to see. Bill assured he would do so at next month's meeting. The Treasurer's Report was accepted as presented.

Field Report: Gary Graul, Field Committee Chairman, was not present. No issues were presented.

Membership Report: Ralph Doyle, Membership Chairman. Eight members have joined for 2013, including five from Open House. We now have a total of 175 members.

Safety Report: Duane Youngman, Safety Chairman, was not present. It was noted that pilots are still flying from taxi ways. Pilots must move to the Pilots' Box after takeoff and keep the taxi ways clear for others to use.

Activities Report: Tom Foster, Contest/Event Committee Chairman, was not present.

New Years Day Fly-In: The only scheduled upcoming event will be the New Years Day Fly-In, on January 1.

OLD BUSINESS:

None was Presented.

NEW BUSINESS:

Election of Officers for 2013: An unprecedented 23 absentee ballots were received by Secretary Walt Wilson. The only contested position was Secretary. Both Dale Buchanan and Paul Geders were nominated.

Each was given an opportunity to make a "campaign speech". Paul spoke first and outlined a series of events that provoked his decision to decline the nomination. Since that left only one candidate for each office, a motion was made to elect them all by acclimation. The motion was seconded and passed without opposition. The officers for 2013 are:

President:	Gary Pyles
Vice President:	Steve Ramonczuk
Secretary:	Dale Buchanan
Treasurer:	Bill Lindewirth

Webmaster: Paul Geders announced that he has decided to retire as Webmaster after 15 years of service. He was given a resounding round of applause for his outstanding service to the club in developing a great web site.

Flight Training Report: Gary Pyles, Chief Instructor, reported that 37 introductory flights were recorded this year. Any experienced flyer who would like to be qualified as an Introductory Pilot Instructor is encouraged to contact Gary at: gp@gtpltd.com or call him at: 314-680-2786.

Club Marketing: It was noted that leaving magazines with stickers advertising the Spirits at doctors' offices was going well and members were posting flyers in public places. It was suggested that the question, "Where did you hear about the Spirits?" be asked on the application, or in follow-up documentation, when a new member joins.

Meeting Activities: Bill Lindewirth and Walt Wilson brought airplanes to show. See the Technical Presentations on page 8.

Paul Geders brought some refurbished engines for sale. They have since been sold.

Meeting was adjourned at 8:00 P.M.



Events

Although we have finished our event schedule for the year there is no time to rest. Within the next couple of months, before Christmas, the Event Coordinator and any Event Committees need to recruit Contest/Event Directors, coordinate event dates, and file for AMA sanctioning, if desired.

Tom Foster, has done a wonderful job these last couple of years as the Spirits' Event Coordinator. Under Tom's guidance the club has made a significant amount of money from the various events the club hosts.



Tom Foster at the Fall Heli Fun-Fly

Tom's drive and desire to make our Helicopter Fun-Fly events the best in the area is evidenced by the amount and quality of raffle prizes, drawing helicopter pilots come from around the area, around the state, and around the country. Tom's dedication to these events and his hobby, his support of other clubs, and willingness to be involved as pilot and manager are to be commended.

All of this comes at a cost. That cost is of course time. Tom recently told me that his schedule was stacked up with things to do and things he could

not get to. He went on to say that he felt that he just didn't give the Event Coordinator position all of the time that it needed. With his work schedule squeezing him for time, finding time to fly and practice as a sponsored pilot, and finding some time for the family, Tom has decided not to return as the club's Event Coordinator.

The elected officers of the club will appoint several positions, including a new Event Coordinator, during the next membership meeting, to be approved by the members in attendance.

I, and I am sure our membership, thank Tom for his years of service and the leadership he has shown.

- by Gary Pyles

Run an Event



Ever wanted to run or help run an event and just did not know where to get started? Just because you asked, a team of members got together and established a set of guidelines to help anyone interested in running an event. There was a lot of great input and now this document is available on our website as a PDF. Here is the link to our Events page:

<http://spiritsofstl.com/Events/Events.html>

The name of the document is: Spirits CD-Event Planning Guide, the link is located about half-way down the page.

Here is an excerpt...

2 General Event/Contest Operations

1. Volunteers
2. Get Volunteers lined up in advance with alternates, if possible. Contact individuals personally, by phone or at the field, to ask for assistance. Broadcast messages looking for help rarely work.
3. If possible provide Volunteers with a free lunch.
4. Coordinate with the Volunteer running Concessions if part of contest/event.



Spirits NEW website

If you have been to our website, spiritsofstl.com, in the last week or so you may have noticed some changes. A team of three, Steve O'Connor, Bill Lindewirth, and Gary Pyles put together an updated website for our club.

The team believes that they have been able to keep all of the parts of the old site that everyone liked, aviation weather, radar, meeting, dates, event information, collection of interesting things, and galleries of pictures. In addition to those items there are many new features and areas on the site.

Every page has a standardized navigation menu that allows you to move freely through the site without returning to the home page. Tons of activity and information continually displayed at your finger tips.

On the home page there is a slide show of some great Spirits' photos and an embedded You Tube video of the Award Winning Spirit's Welcome video. Interactive slides in the header and body that inform as well as catch the eye. Our site is a chance to show everyone how proud we are of our organization and the great things that have been accomplished in almost 5 decades of model aviation.

We took the links to RC manufacturers out of the collection of interesting things and put together a set of useful links that include manufacturers, distributors, hobby shops, RC and other modeling organizations.

Additionally, we have increased the information available under the Events page and added more information in the For Beginners area. The Beginner or Newcomer area will grow in the coming months with more how-to links and articles by Spirits' members and others.

The Gallery has a completely new index system as well as access to nearly 150 archived galleries containing thousands of pictures and the history of the Spirits. A new video will be posted monthly on the

Gallery page. If you have a video you would like to share, send the You Tube link to the webmaster.

the Spirits of St. Louis *R/C Flying Club, Inc.*

Home Membership Events Newsletter Directions Gallery Flight Instruction About Spirits

AMA Gold Leader Club
Celebrating 47 years 1968-2012
Browse through our Gallery
Take a peek at our newsletter "Flightlines"

Club Meeting Information
Next Meeting
November 15th @ 7:00 PM
meeting room 1
Bridgeton Trails Library, 3455 McKelvey Rd.,
Bridgeton, MO 63044
[Click here for a map to the library](#)
[Click here to use Google Maps to find the Library](#)

Welcome to the Spirits' website
We recently updated our website. Every attempt has been made to ensure all of the links and information located on the site are working and accurate. If you find a link that is not working and information that may be incorrect please email the webmaster with the information.
We have tried to enhance the presentation and navigation through our site. At the left you find a series of quick links to various areas, explore have fun, and please let us have your feedback. Send any comments to the [Webmaster](#).
The Spirits' is a private non-for-profit radio control flying club located in St. Charles, Missouri. Visitors are always welcome as spectators and pilots. You must be a current AMA member to fly at our field. If you are just getting into the hobby or been flying for a while, give us a test flight. We think you will be happy with our club.
Please take time to explore our site through the tabs and embedded links to learn more about our hobby and our organization.
Spectators Always Welcome!
Flying daily from 9 AM until Dark. Come and watch our members fly and enjoy our private park.
A snapshot of Spirits' Activities

Future Spirits' Meeting Dates

Thu-Nov 15, Thu-Dec 13, Wed-Jan 9
Thur-Feb 14 (Fri #2), Wed-Mar 13, Wed-Apr 10, Wed-May 8, Wed-Jun 12

Next Spirits' Event
January 1st 2013 Fun-Fly

There are a multitude of quick links on the home page including links to our You Tube channel and our Facebook page. Additional thanks to Paul Geders for the years of work he put into our original site and assistance with testing the new site.

Take some time to explore and send your comments to the webmaster.

Enjoy! *-the web development team*

NEWSLETTER FORMAT

While reading this month's newsletter you may have noticed that it looks a little different. I am trying a new style and want to get the membership involved in the content turning our publication into more of a magazine, with more stories and info and contributions from the membership.

If you have a story, project, or some information worth sharing, send it to me and we'll see about getting in. Any other comments about the design, format or style, please send those as well.

*-Gary Pyles - editor
Flight Lines, page 5*

Tip of the Month

2-NEEDLE CARBURETOR SETUP

-by Paul Geders

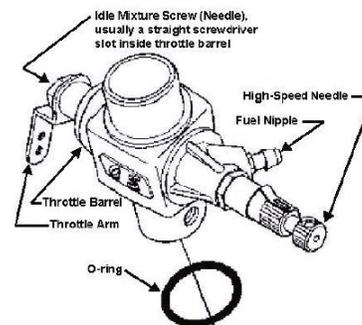


This is a typical “2 needle” carburetor without a “throttle stop screw”. Typically, carburetors come from the factory close to being pre-set. If you have torn down your carburetor for a thorough cleaning, examination, or you just want it to run right, here’s a good starting point. With the throttle barrel in the full open position close the high-speed needle until it stops. Don’t gorilla it. Then, back it out three turns. Now, with the throttle barrel almost closed do the same thing with the idle mixture screw. This is your baseline. Also, some carburetors have a throttle stop screw. Typically, we set these so that the air hole in the carburetor barrel completely closes off against the stop screw. This is so we can shut the engine off at full low throttle trim. When adjusting some idle mixture screws the carburetor barrel wants to rotate and get pushed inward which makes it a little difficult to get a good setting. All you have to do is lock the throttles arm so it can’t rotate or go in while you are adjusting the idle mixture screw.

Ten easy steps for setting up just about any 2-needle carburetor.

1. Start the engine and go to full power.
2. Set the high-speed needle to maximum power and back off about a ¼ to ½ a turn.
3. Go back to as low an idle as you can achieve.
4. Turn the idle mixture screw in until the engine stops. While the engine is off back the idle screw out ½ to ¾ turn.
5. Restart the engine at idle.
6. The engine should be idling pretty well.
7. Reset the high-speed needle to maximum RPM and back off 200-300 RPM.
8. Return to idle, and let the engine idle for about 15 seconds.
9. Quickly move the throttle to full power and listen to the transition from idle to full power. If it instantly goes to full power you’re done.
10. If it hesitates or sags just a little...it is too lean still, back out just ¼ turn. Repeat step 9.

When you are all done, at about ½ trim setting you should be getting a great idle, a good fast idle at high throttle trim, and be able to shut the engine off at full low idle trim.



SAFETY CORNER

Here it is again. You have all heard it before. There are a few simple things to do and every time we go out to the pilot’s box at the field.

1. You must put your “current” Spirits’ Membership card on the frequency board.
2. You must stand in the Pilot’s Box. No flying while standing on the taxiways. You are blocking traffic and might get a case of prop rash on your ankles.
3. **Communicate!** Always announce your intentions. Taking off left-to-right! Landing right-to-left! Make sure you are loud enough to be heard by everyone in the Pilot’s Box. If the people in the Pilot’s Box do not respond, yell it louder. If you are the one hearing this yell back, OK or acknowledge you heard them!



The Spirits of St. Louis R/C Flying Club, Inc. MEMBER APPLICATION & AGREEMENT



FOR THE PERIOD JANUARY 1 TO DECEMBER 31, 201__

spiritsofstl.com

AMA and Spirits memberships run from January 1 to December 31st of each year. You must be an AMA member for the year you are applying for membership. (AMA Introductory memberships are not valid)

Check New or Renewing Below		Check the appropriate box or boxes	
<input type="checkbox"/> New Member	<input type="checkbox"/> Full Membership \$135	<input type="checkbox"/> Youth Member \$25 (under 19)	<input type="checkbox"/> Aug./Sept dues \$10/month (\$2.50 youth)
<input type="checkbox"/> Renewing Member	<input type="checkbox"/> Family Membership \$160	<input type="checkbox"/> Associate Member \$25 (non-flying)	<input type="checkbox"/> "In Arrears Fee" \$25 after the March meeting

Membership includes a subscription to "Flight Lines", our monthly newsletter. Check below to indicate how you would like to receive your copy: online @ spiritsofstl.com by US Postal service

Do you wish to be contacted by email, by the Spirits, about upcoming events & announcements: Yes No

Primary Member Information (please print clearly)		
First Name:	Last Name:	AMA No:
Address:		State:
City:		Zip:
Telephone:	Email:	Age (optional)
Signature:		Date:
Family Member #1 Information (please print clearly)		
First Name:	Last Name:	AMA No:
Relationship	Email:	Age (optional)
Signature:		Date:
Family Member #2 Information (please print clearly)		
First Name:	Last Name:	AMA No:
Relationship	Email:	Age (optional)
Signature:		Date:
Family Member #3 Information (please print clearly)		
First Name:	Last Name:	AMA No:
Relationship	Email:	Age (optional)
Signature:		Date:

By signing this application you agree that you have read and will comply with the current AMA Safety Code (available at: modelaircraft.org/files/105.pdf) & the Spirits' rules and regulations as stated in the latest version of the Spirits' Bylaws, Constitution, and Safety Rules available for review at spiritsofstl.com.

New members that join in August or September shall pay \$10 (\$2.50 for Youth Members) for August and or \$10 (\$2.50 for Youth Members) for September, plus the annual membership dues for the coming year. New members joining after October 1st pay only the annual membership dues for the coming year. (For example: If you join October 1, 2012 your membership will extend through December 31st, 2013.)

RENEWING MEMBERS: There is **NO** grace period when renewing! Not renewing your membership by Dec 31 results in your complete loss of flying and voting privileges with the Spirits in the coming year, until you have renewed. Additionally, if you have not renewed by the end of the March meeting you are subject to any "In Arrears Fee" listed on the membership application.

Send this completed and signed application, a copy of your (all family members) AMA card(s) with your check made out to Spirits of St. Louis R/C Flying Club, Inc. (no cash accepted) to the Membership Chair. You will receive your card in about 2 weeks. You may also apply in person during one of our meetings. Check our website for our next meeting time.

Mail applications to: Ralph Doyle, 2463 Wesington Dr, Maryland heights, MO 63043

You may contact Ralph by telephone at: 314-878-7914 or email: membership@spiritsofstl.com

TECHNICAL PRESENTATIONS

This month's technical presentations showcased two airplanes that represent old design-construction techniques with the latest model design and construction available. I am of course talking about built-up-balsa and MonoKote in contrast to foam and carbon-fiber.

Each of these models have distinct advantages over the other. It is in the eye and heart of the RC enthusiast to determine which model is the style they desire. Of course, you can always choose both.

The interesting thing about both of these models is, although these aircraft have their roots in very different eras, they are both electric powered. That's right, electric! I find this very interesting. Is this the direction for all RC aircraft? RC Helicopters at our field are nearly all electric. Will all planes be much farther behind?

Drop me a note at newsletter@spiritsoftl.com and let me know what you think.



Walt Wilson's Longster Wimpy

Walt Wilson described his new Longster Wimpy. It's a semi-scale model of a 1930's home-built aircraft. John Rawlings built the basic structure from plans published in a 1998 issue of Model Aviation,

before passing away.

Walt modified the airframe to accept modern electronics including a brushless rimfire 35-30-1450, 30 amp ESC, and 11.1 V LiPo battery. At a ready-to-fly weight of 44 ounces, wing loading is light and it's expected to fly much like a trainer.



Bill Lindewirth's Flyzone Millennium Master

Bill Lindewirth discussed his Hobbico Millennium Master foam RXR kit. He was given a gift certificate by Kevin Cordell and received the kit from Horizon Hobbies at no cost. He was asked to write a review on the kit. It's all foam and included a motor, ESC, servos, and a Tactic six-channel receiver. He was able to link it with his JR transmitter by purchasing an Anylink adapter.

As we have done for the last year, at the end of each meeting's technical presentations the members present select the best presentation. This month's award of \$20 in Mark Twain Hobby Center gift cards was taken home by Walt Wilson.

Walt's Longster-Wimpy, in MonoKote "Missile Red" with the electric conversion was truly impressive. Ask Walt about the cowl. It may look plastic, but it is not. The cowl is formed from a block of balsa and painted. Great job Walt!

-by Gary Pyles
Flight Lines, page 8