



# FLIGHT LINES

The Monthly Newsmagazine of The Spirits of St. Louis R/C Flying Club, Inc.

## SWAP MEET: MARCH 25

### PREZ SEZ

By Bill Lindewirth

I would like to thank my fellow Board of Directors and the membership in attendance at the February meeting for overwhelmingly approving the expenditure to install electricity at the field.

Paul Geders will be coordinating installation of a transformer with AmerenUE. It will be installed on an existing pole on the east side of Amrein Rd. I will be coordinating efforts with Netcom, Inc. for the rest of the installation. All electrical work will be done by a licensed and insured electrician and will be installed according to current electrical codes.

In an effort to make this project affordable, it will be necessary for the club to rent a trencher to install the underground wire/conduit at a depth of 24 inches from Amrein Road to the pavilion. Work on this project will begin in either March or April in hopes of having everything completed prior to our first flying event of the year, scheduled for May 27. A work party will be needed for this task. A sign up sheet will be passed around at next month's meeting. If you have any questions regarding this project please feel free to contact me.

Congratulations to Tony Eckstein for winning this month's *Mark Twain Hobbies* gift certificate.

If you haven't done so already, you still have time to gather all your non-essential R/C gear to sell/swap at our annual "R/C Exposition & Swap Meet" scheduled for March 25, 2006. Workers are needed to help with the concession stand, as well as set-up and clean-up. Please contact Pat Keebey to volunteer at: 636-928-3918 or e-mail at: [keeb56@aristotle.net](mailto:keeb56@aristotle.net).

*Hope to see you there!*

### MEETING MINUTES: FEBRUARY 8, 2006

By Walt Wilson

**Members signed in:** 27 members were present.

**Secretary's Report:** Greg Pugh also was awarded a certificate of appreciation at the January meeting, but was not present to accept it. Otherwise, minutes were accepted as published in last month's Flight Lines.

**Treasurer's Report:** The Treasurer's Report was accepted as presented.

**Field Report:** Pat Keebey reported that a new flag is needed. It should be three by five feet and made of nylon. The new gates are up and working well. There has been discussion about adding stops to keep them from swinging too far in the wrong direction, but no action has been taken to date.

**Safety Report:** One member expressed concern about four-stroke engines throwing props. Joe Stramaglia says they just come loose, but that can be prevented by using double nuts to lock the prop on the crankshaft.

Last year we had white membership cards and some flyers had trouble seeing them, from a distance, when they were on the frequency board. Ralph Amelung acquired some yellow and red plastic covers to clip over the cards when on the board, making them more visible at a distance. This year, we have yellow cards, so the covers are no longer needed.

**Training Report:** Four Spirits' Introductory Flight Instructors are now authorized by AMA. They are: Bob Gizzie, Gene Jones, Ralph Amelung, and Pat Keebey. This means they can give introductory training to non-members of AMA for up to 30 days, and the student will be covered by AMA insurance. They are the only members authorized for this activity!



*Bill Lindewirth (left) was presented a commemorative gavel by Walt Wilson, on behalf of the Spirits, in appreciation for his extensive efforts and accomplishments as President in 2004, 2005, and 2006.*

CAROLYN SCHLUETER PHOTO

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## FLIGHT LINES

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Bob Gizzie gave a presentation on simple aerobatics and traffic patterns. See his full presentation starting on page three.

### Activities Report:

**R/C Exposition and Swap Meet:** The Swap Meet will be on March 25, at Fort Zumwalt South High School on Mexico Road at Belleau Creek in O'Fallon, Missouri. Pat Keebey reported that he has been in contact with officials at the St. Peters Board of health and they will help him get concession activities at the Swap Meet to conform with their rules. The event is listed in the current issue of Model Aviation magazine. See the flyer on page five for more details.

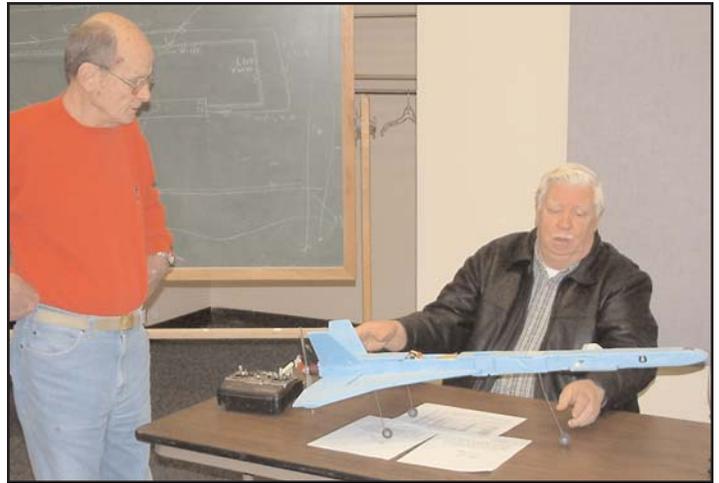
**Show 'N Tell:** The meeting room has been reserved and the arrangements are in progress. See the flyer, rules, and entry form starting on page six.

**Four-Star 40 Racing:** Paul Geders reports that, as a result of Walt Wilson's article in Model Aviation magazine about the Spirits' racing, people are inquiring about our races from as far away as Kansas City about coming here to compete.

### OLD BUSINESS

**Installation of electricity at the field:** Paul Geders and Bill Lindewirth did extensive research on pricing and a cost breakdown was distributed to the members present at the meeting. Ameren UE gave an estimate based upon our installation of a pole on our side of Amrein Road. The electricity Bill contacted for estimates noted that we could save money and make a neater installation by tunneling the wires under Amrein Road and to the pavilion. We can do the trenching on our property and save a substantial amount of the cost on the job. After extensive discussion, Bob Fiely made a motion, and Pat Keebey seconded it, to proceed with the installation using the lower cost fans. The motion passed 19 to 2. Bill has since contacted John Ostmann, who is very much in favor of the improvement.

**Spirits' Appreciation Awards:** Bill Lindewirth was presented with a commemorative gavel in appreciation for his extensive efforts as President for 2004, 2005, and 2006. He stepped forward when the Spirits were in a state of turmoil and was appointed President. His willingness to listen to others and lead in making sound decisions has kept the club on a positive track. His approach to conduct of meetings has made them enjoyable. Bill negotiated a ten-year field lease with options for another thirty years and initiated several other improvements. The club is solid financially and our membership is growing rapidly. He also served as Membership Chairman until this year and has organized concessions for most of our contests and field activities. Thank you Bill! Ralph Amelung was also presented his Spirits' Award of Appreciation (He wasn't present last month when the others were presented). Greg Pugh still hasn't received his Award.



WALT WILSON PHOTOS

*Jim Rawlings and Gene Jones discussed the "Praying Mantis" they and Don Fitch built from a set of 1966 RCM plans. This version is half the size of the original which was powered by a .40 gas engine. The plane is electric-powered and constructed entirely of "blue foam". Power-off glide tests were successful and, if it flies as expected, they'll build a full-size .40 - powered version.*



*Ralph Amelung discussed the AKM "Dorothy 2" ARF trainer. The kit is very complete, with most required hardware, and only costs \$70.00! Bob Gizzie is currently flying one with great success. If you want one, contact Ralph who makes frequent trips to Des Moines, Iowa, where they are available.*

**Attendance Prize:** Tony Eckstein won the monthly \$10.00 gift card donated by Mark Twain Hobbies.

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*Bob Gizzie, who is a professional pilot as well as our Chief Flight Instructor, gave a presentation on aerobatics and the proper terminology, approach angles, and use of a landing traffic pattern.*



*Don Fitch discussed his new Spectrum radio. Here he holds the receiver. This Spectrum is intended for Park Flyers and has a maximum range of 1200 feet. the advantage it offers is an almost infinite number of frequencies in the two gigahertz range, which it searches out automatically, like a cell phone. Interference with other radios is almost impossible. The radio operates on two frequencies at once, hence the two antennae on the receiver.*



WALT WILSON PHOTOS

*Paul Geders purchased an audio "countdown clock" for racing intervals. The ten second and two minute countdowns are spoken in a pleasant female voice. It isn't very loud, so Paul plans to use it in conjunction with the PA so all racers and workers at the starting line can hear it.*

**NEW BUSINESS**

**Income Tax:** Les Richman reported that we have to do an income tax return each year because we earn interest on our CD's. The cost is \$150.00.

**MEMBERSHIP RENEWALS**

*By Bill Lindewirth*

Membership renewals must be received no later than March 1, 2006. Renewals received after March 1, must include the \$25.00 New Membership Application fee. ***This is the last issue of Flight Lines you will receive if you don't renew your membership.***

**Meeting Activity:** Several presentations were made. See the photos for details.

**Meeting was adjourned at 8:30 P.M.**

**Training Report (And Beginners' Corner):**

*By Bob Gizzie*

This month we'll talk about some simple aerobatics. I got most of my information from an excellent web site about Aerobatics at <http://www.geistware.com>. It's called "Aircraft Proving Grounds". I would recommend visiting this site! Just click on the Aerobatics link.

**Hammerhead (Stall) Turn:** Model executes one-quarter (1/4) loop to a vertical track, performs a stall turn through 180 degrees, then recovers with another one-quarter (1/4) loop to level flight in the direction. ... .

**Immelmann Turn:** The model starts the Immelmann flying  
*(Continued on page seven)*

# RC EXPOSITION & SWAP MEET

## SATURDAY -MARCH 25, 2006

### At Fort Zumwalt South High School

RC airplanes, RC Helicopters, RC Cars, RC Boats & Model Rockets



Directions:  
 I-70 to  
 T.R. Hughes Rd Exit.  
 Follow Belleau Creek Rd.  
 South  
 1.1 miles.  
 On left just prior  
 to Mexico Rd

Fort Zumwalt South HS  
 8050 Mexico Road  
 St. Peters, MO 63376

### 9:30AM Admission with purchase of table

\$10 for 5' round table, includes one admission

### \$5 General Admission @ 10AM

Spouses admitted Free / Children under 12 admitted Free with paid admission

Admissions sales close at 2:00 PM

### On-Site Concession Stand

Presented by:

Phantom Flyers R/C Club & Spirits of St. Louis R/C Flying Club

CONTACTS: Larry 636-537-1472

Email: [swap06@phantomflyersrc.com](mailto:swap06@phantomflyersrc.com)

Vendors for 8 ft table reservations see <http://phantomflyersrc.com/business.htm>

For latest Swap Meet info see <http://phantomflyersrc.com/swap.htm>



**FLIGHT LINES**

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

# Show 'N Tell

**Saturday: April 22nd 2006**

**6:30 pm - 10:30 pm**

**Christ the King Lutheran Church**

**414 South Church**

**St. Peters, Missouri**

**Event Director: Pat Keebey Phone: 636-928-3918**

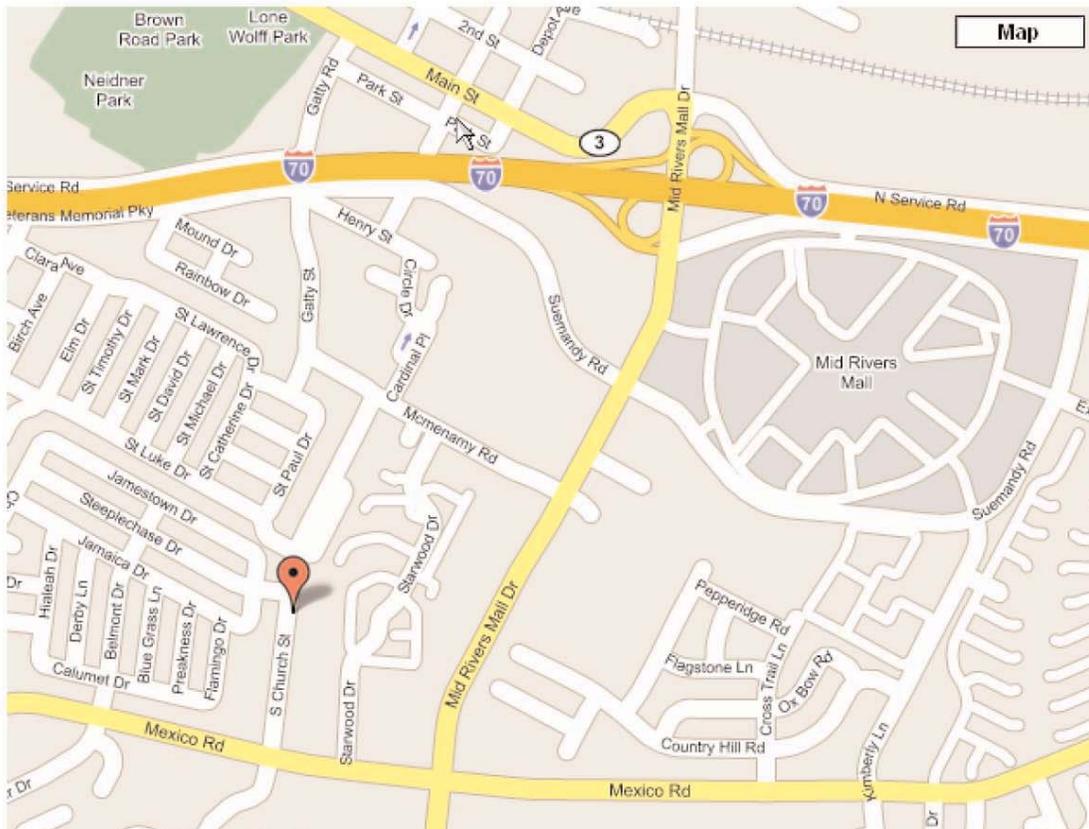
**Asst. Director: Walt Wilson Phone: 636-946-6167**

**Adults: \$15.00/person**

**Children age 15 and under: \$10.00 each**

**Includes: Appetizers, Dinner, Dessert, Soft Drinks, Coffee & Ice Tea**

**Entry forms "must" be received by April 12, 2006**



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

# Show 'N Tell

**Saturday: April 22nd 2006**

**6:30 pm - 10:30 pm**



**Purpose:** A dinner social for the purpose of displaying models built by Spirits members.

**Qualifications:**

1. Limited to R/C aircraft.
2. Builder of the Model Rule applies to all entries.
3. ARF's must be assembled by member entering event.
4. Model may not be entered in more than one category.
5. Models must be complete and ready for flight. All engines, propellers, and external linkage must be installed.
6. Limit of one model per category with a maximum of two (2) entries in the event.



**Categories for Models displayed:**

**Scale** - Scale entries will be any aircraft that has been manufactured as a full scale aircraft. Judging will be based on accuracy of outline, craftsmanship, and finish (color and markings) A minimum of a 3-view is required.

**Open** - May be any type of aircraft other than scale.

**Novice** - Any type aircraft may be entered. Must be the modelers first building project.

**ARF** - Almost Ready to Fly models. Only one award will be made in this category.



**Judging:** Scale, Open, and Novice will be awarded 1st, 2nd, and 3<sup>rd</sup> Places.

ARF category will only receive one award.

Best of Show, and Best Finish will each receive an Award.

Show 'N Tell 2006 Participation Certificates will be given to each member entering Show 'N Tell.



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*(Continued from page three)*

straight and level, then pulls up into one-half (1/2) loop immediately followed by one-half (1/2) roll and finishes flying straight and level exactly 180 degrees from the heading at entry.

**Split S:** Model performs one-half (1/2) roll in level flight then immediately executes one-half inside loop to level flight, again 180 degrees from the heading at entry.

**Traffic pattern information** follows and can be used as a guide. The following terminology applies to the various components of a traffic pattern

**1. Upwind leg.** A flight path parallel to the landing runway in the direction of landing.

**2. Crosswind leg.** A flight path at right angles to the landing runway off its takeoff end.

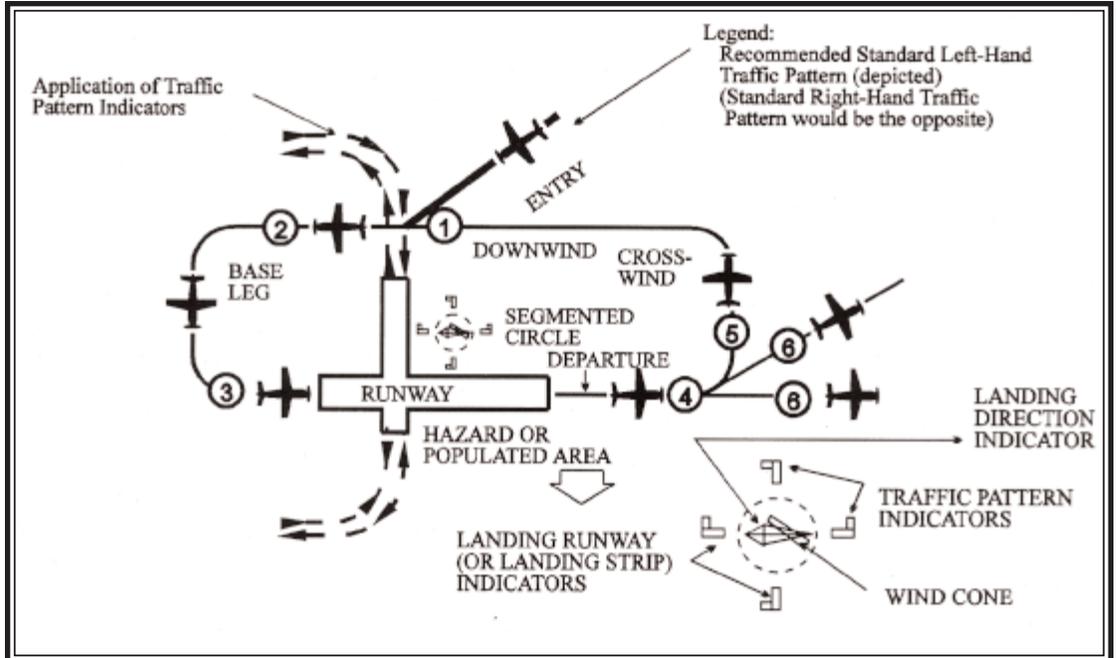
**3. Downwind leg.** A flight path parallel to the landing runway in the opposite direction of landing.

**4. Base leg.** A flight path at right angles to the landing runway off its approach end and extending from the downwind leg to the intersection of the extended runway centerline

**5. Final approach.** A flight path in the direction of landing along the extended runway centerline from the base leg to the runway.

**6. Departure leg.** The flight path which begins after takeoff and continues straight ahead along the extended runway centerline. If leaving the traffic pattern, make a 45 degree turn from the crosswind.

*Thanks, See you at the Field  
Bob Gizzie*



## Show 'N Tell Entry Form Please Print

Model Builder's Name: \_\_\_\_\_ Tel. # \_\_\_\_\_

Total number of adults in attendance \_\_\_\_\_ x \$15.00 = Sub Total \_\_\_\_\_

Total number of children in attendance \_\_\_\_\_ x \$10.00 = Sub Total \_\_\_\_\_

Total Amount Enclosed: \$ \_\_\_\_\_

Make checks payable to: Spirits of St. Louis R/C Flying Club, Inc.

Description Model #1. \_\_\_\_\_

Model Category: (Circle one)    Scale    Open    Novice    ARF

Description Model #2. \_\_\_\_\_

Model Category: (Circle One)    Scale    Open    Novice    ARF

Limit two (2) models per entry per person

Mail completed entry form and payment to:

Walt Wilson  
3000 Persimmon Dr.  
St. Charles, MO 63301

## FLIGHT LINES

**FLIGHT LINES** is the Spirits of St. Louis R/C Flying Club newsletter and is published on a monthly basis. Club members may submit personal classified ads for inclusion in the newsletter free of charge. Businesses wishing to advertise in the newsletter should contact the editor or an officer of the club for details.

### Newsletter Editor:

Walt Wilson  
3000 Persimmon Dr.  
St. Charles, MO 63301-0131  
Phone: (636) 946-6167  
e-mail: [rallyo@charter.net](mailto:rallyo@charter.net)

**Newsletter submissions** must be in by the Monday following the club meeting in order to make publishing deadlines. The preferred format for article submission is via e-mail. I have Macintosh and PC computers and use QuarkXpress and Microsoft Word, so send the copy as the e-mail message (not an enclosure) to avoid cross-platform or incompatible software problems if you don't have the same equipment and software. Typed or clearly written copy on paper, or a Word or Word for Windows file on a 3.5 inch 1.44MB floppy disk are acceptable if you don't have access to the internet. Photos are welcome and may be in the form of glossy prints, or if scanned or digital, in jpeg, gif or tif format. Photo credits will be given.

**General Membership** meetings are the second Wednesday of each month at the Bridgeton Trails County Library Branch, 3455 McKelvey Rd. (1/4 mi. south of St. Charles Rock Road) at 7:00 P.M.

**Membership information** can be obtained from:

Greg Pugh  
1645 Dardenne Ridge Drive  
St. Peters, MO 63376  
Phone No. 636-279-1289  
e-mail: [pughzoo@charter.net](mailto:pughzoo@charter.net)

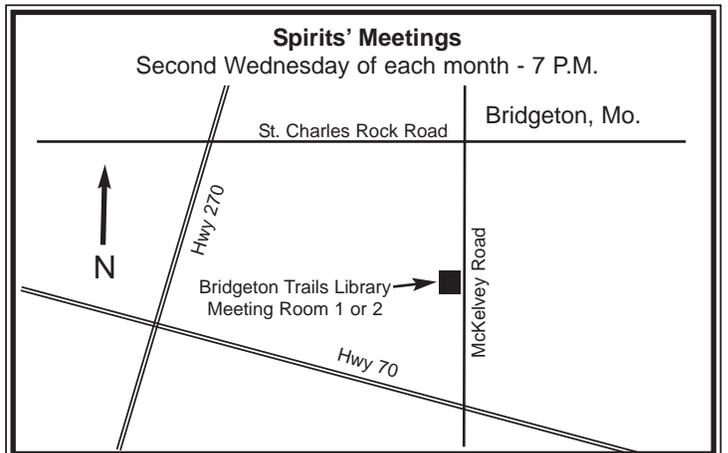
**Flying Field:** Our field is located on Amrein Road, off Greens Bottom Road in St. Charles County. It's open for flying daily from 9:00 A.M. to dusk. Flight Training may be arranged by appointment. Call Bob Gizzie at 636-441-7924 or see our web site at <http://www.spiritsofstl.com> for a list of instructors and times when they may be available.

## The Last Word

By Walt Wilson

This past year, our membership reached almost 180 members. Of that number, fewer than 10% contributed enough to the operation of the Spirits to be awarded a "Spirits Award of Appreciation". Most of the people who received these awards did one job or another daily, weekly, or monthly throughout the year. President Bill Lindewirth not only performed as President, but was Membership Chairman and organized most of the concession offerings at our contests and events. Greg Pugh and his family did the concessions for the Swap Meet and Open House. The other club officers, Gene Jones, Les Richman, and Walt Wilson's work is obvious, though most people don't have a clue how much effort is involved with most positions. They did their jobs quietly and conscientiously. Bob Gizzie and his crew of Gene Jones, Ralph Amelung, and Pat Keebey have spent many hours, acting as ambassadors while introducing walk-ins to the hobby, as well as recruiting and training new members. Admittedly, this activity usually involves flying, but not always in the manner they would most enjoy. Paul Geders quietly maintains and continually improves our web site, which is already among the best in the hobby. Carolyn Schlueter and Don Fitch, as well as your friendly editor, take hundreds of photograph for use on the web site, and contribute regularly to the newsletter, which consumes about thirty hours per month. The institution of commercial mowing of the field has reduced the requirements for members' mowing and trimming, but there are still many tasks to be done and some members have graciously stepped forward to help. The most outstanding among them are Lee Volmert and Ken Brock. A lot more opportunities to help will be available when the installation of electricity begins. Whatever you feel you can contribute, volunteer! Your club needs you!

*Gotta Go Build*



**FLIGHT LINES**



SPIRITS OF ST. LOUIS R/C FLYING CLUB, INC.  
**MEMBERSHIP APPLICATION**  
 FOR YEAR \_\_\_\_\_



(PLEASE FILL IN YEAR ABOVE)

**PLEASE PRINT CLEARLY!**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_ Phone: \_\_\_\_\_

AMA No. \_\_\_\_\_

Your e-mail address: \_\_\_\_\_

Additional Family Members:

**Check appropriate  below!**

Full Membership (\$100)

New Member Initiation Fee (\$25)

Family Membership (\$125)

Junior Membership, under 16 (\$25)

Associate (Non-flying) Membership (\$25)

Temporary Membership (\$10/Month, Max 4 Months & Lives more than 75 miles from field)

Name: AMA #	Name: AMA #	Name: AMA #
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NOTE: ANY MEMBER WHO ALLOWS THEIR MEMBERSHIP TO LAPSE BEYOND MARCH 1 OF ANY YEAR SHALL BE CONSIDERED A NEW MEMBER WHEN RENEWING THEIR MEMBERSHIP. SOURCE: ARTICLE 7 SECTION 1, AND 4, CLUB BYLA WS. DUES ARE PAYABLE NO LATER THAN THE JANUARY CLUB MEETING.

To become a new member or renew your membership, please do the following:

1. Fill in the above information, even if this is a renewal.
2. Photocopy this application with valid AMA license of each flying member in the spaces below.
3. Make out a check payable to SPIRITS OF ST. LOUIS R/C FLYING CLUB, INC. **(NO CASH PLEASE)**
4. Send completed application and check to the membership chairperson: →→→→→

Membership Chairperson  
 Greg Pugh  
 1645 Dardenne Ridge Dr.  
 St. Peters, MO 63376  
 Phone No. 636-279-1289

If you apply at a club meeting, be sure to have all three of the above items. Meetings are held on the second Wednesday of each month, 7:00 p.m., at the Bridgeton Trails County Library Branch, 3455 McKelvey Rd.

**Note: New Members shall be introduced in person OR, by their sponsor, to the club before joining. This allows new members to join the club, even though their schedule doesn't allow them to attend club meetings.** New members who join in August or September will pay \$10.00 each for August and/or September, and will also pay next year's dues and initiation fee at the same time. New members who join on/after October 1st pay only the annual membership amount and the initiation fee, but get the next year and the end of the current year included.

Junior members pay no initiation fee and \$2.50 each for August and/or September!

**MEMBERSHIP AGREEMENT:**

I agree to abide by the SAFETY RULES and CONSTITUTION & BY-LAWS of the SPIRITS OF ST. LOUIS R/C FLYING CLUB, INC.

\_\_\_\_\_  
 Signature Date: \_\_\_\_\_

\_\_\_\_\_  
 Family Member Signature Date: \_\_\_\_\_

Membership rejected if not signed and dated, or AM A card NOT VALID FOR YEAR APPLIED FOR!

**Spirits Web-site Address is: <http://spiritsofstl.com>**

Place AMA card here when photocopying

Place AMA card here when photocopying

## FLIGHT LINES

### Spirits of St. Louis R/C Flying Club, Inc. 2006 Event Schedule

Date	Event	CD/ED
March 25	Swap Meet	Pat Keebey/Mark Livesey/Duane Youngman
April 22	Show 'N Tell	Pat Keebey
May 27	Four Star 40/ Warbirds	Paul Geders
June 10	Fun Fly	Les Richman
June 24	Four Star 40/ Warbirds	Curt Milster
July 15	Fun Fly	Bob Fiely
August 19	Fun Fly	Curt Milster
September 30	Open House	Bill Lindewirth/ Greg Pugh
October 14	Four Star 40/ Warbirds	Paul Geders



[www.spiritsofstl.com](http://www.spiritsofstl.com)

## FLIGHT LINES

Walt Wilson  
3000 Persimmon Drive  
St. Charles, MO 63301-0131

**Meeting is on  
Wednesday,  
March 8  
at 7:00 P.M.**