



FLIGHT LINES

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

Nomination of Officers on Sept. 14 5th Annual Open House on Sept. 24

PREZ SEZ

By Bill Lindewirth

Once again I would like to express my sincere thanks to Jeff Harrison for donating the labor and material for our new entry gates, as well as Bob Gizzie, Tony Eckstein, Pat Keebey, and Daniel Swain for enduring the heat to install the gates, and Mike and Donna Freymuth for supplying some much needed equipment.

Additional thanks go to Bob Fiely for running our final "Fun Fly" of the season and to George Kulage and Don Fitch for helping out with the concession stand.

Workers are needed for our 5th annual "Open House" scheduled for Saturday, September 24th. A signup sheet will be available at the September 14th meeting.

See you there!

MEETING MINUTES: August 10, 2005

By Walt Wilson

Meeting attendance: 21 members and two new member applicants were present.

<u>New applicants</u>	<u>Phone</u>
Joe Hegyi	636-265-0378
Chris Teater	314-205-8808

Both were approved unanimously. Joe joined at the meeting and Chris has to get his AMA membership before joining.

Secretary's Report: Minutes were approved as published in the August Flight Lines.

Treasurer's Report: Treasurer's report was accepted as presented.

Field Report: Daniel Swan, Tony Eckstein, Pat Keebey, and Bob Gizzie installed the new gate today. Mike & Donna Freymuth provided some equipment that made the job easier. Jeff Harrison voluntarily built and donated the gate to the club. *We want to express our sincere gratitude and a big "Thank You" to Jeff and all who contributed to the installation of the gate.* It was one of the hottest days of the year! Pat says "Nothing else will be installed until October!"

Later in the day, a storm did some damage to the starting tables, chairs, and other items at the field. Two chairs were still missing at meeting time! Because of precision align-

ment, the gate was not to be disturbed for two days. Later in the day, someone ignored the sign and opened the gate. It will be bolted shut until it's safe to open.

Grass is being cut approximately every other week due to the drought.

Training Report: In spite of the heat, training and demonstration flights go on. We have a lot of "drive up people" who have airplanes or are just offered demonstrations. The RCV .58 engine in our club trainer developed some problems and has been quitting unexpectedly. The problem was traced to a split in the Sig factory fuel tank rather than the engine itself. The engine does run somewhat hotter than others, to the point of causing concern. Also, the RCV runs faster at partial throttle than at full throttle! Covering on the Sig Kadet Senior ARF is coming loose in places. Bob contacted Sig about the problem but they haven't been very helpful.

Membership Report; Bill Lindewirth reports that, at meeting time, we have 171 members, with another waiting for his AMA card, which is more than were projected for the year.

OLD BUSINESS:

The new public address system, voted in at the last meeting, has been purchased and was demonstrated by Bill Lindewirth. See the photo on the next page.

Storage of club trainers at the field was briefly discussed and tabled with no decisions.

NEW BUSINESS:

The members present were asked for suggestions for field improvements. Among the suggestions are:

1. A temporary storage facility at the field. Potential vandalism makes this a questionable idea.
2. Electricity at the field (Current cost is estimated at about \$7,000.00). After discussion, it was decided that potential uses don't justify the cost.
3. Wire the pavilion and install fans, lights and electrical outlets to be driven by a generator. This is under consideration.
4. Have Ameren install balls or flags on the electrical wires

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wires along Amrein Road. Ameren has refused to do this in the past. We aren't supposed to be flying over Amrein Road, anyway.



Bill Lindewirth demonstrates the club's new public address system. It can be run on 110VAC or, with an adapter, 12VDC. The meeting was in a library, so he couldn't really turn it up to the potential volume!



Don Fitch demonstrates the use of Dupont "Tyvek", a building material used in construction of houses. Don found this piece (foreground) in a trash pile at a new construction site! Just cut it to size, cut a slot in the control surfaces, and CA it in place for strong, durable hinges. Tyvek is also used for envelopes and is available at most stationary or office supply stores.

5. Have a dumpster and trash pickup. Outsiders would dump their trash in our dumpster, as they did at our old field, and we would have to pay for it. Everyone is supposed to take their trash home with them. ***If you brought it, take it home! That includes pieces of crashed airplanes, cigarette butts and dog poop!***

6. Add posts to define parking areas in the field between the pits and Amrein Road. Idea was accepted, but will not be accomplished until cooler weather, about October!

Activities Report:

August 13 Fun-Fly: Will be a low-key event with concessions available.

August 27 Four-Star 40/Warbirds Races: Steve Cross is CD. At least six workers will be needed as lap counters and pylon judges.

Spirits' September 24 Annual Open House: Plans are already under way. Greg Pugh and his family will do concessions. Walt Wilson will do advertising. Raffle prizes were discussed and are still in work. Workers are needed for many jobs. A signup sheet was circulated, but many more workers are needed. If enough people volunteer, nobody will have to do a given job very long. ***Call Bill Lindewirth, at 314-839-0282 and offer your help!***

Meeting Activity: Bill Lindewirth demonstrated the new public address system. Don Fitch demonstrated a great hinge material called Tyvek. See the photographs for details.

The meeting was adjourned at 8:38 P.M.

FIELD REPORT

By Pat Keebey

The weeds have been sprayed with Extended Roundup and most are dying. Pat spent approximately 7 hours spraying the field putting down 14 gallons of week killer. It will take several weeks for these dead weeds to disintegrate. The new gates have been installed with a great big thanks to Tony Eckstein, Donald Swan, Bob Gizzie and myself. The old gates will be removed by Mike and Donna Freymuth's son-in-law. We also want to thank the Freymuth's for the loan of their posthole auger. The old gates will be stored at the barn in the event the land owner wants to use them on another property.

On Wednesday a storm with high winds hit the field, damaged several of the airplane tables and scattered the white chairs around the field. At last accounting we are still missing one chair. The Stars and Stripes were shredded and was replaced with a new flag. The wind sock was blown away. I have a new windsock and will install it on the pole as soon as possible.

Each member is responsible for removing trash or any items he or she brings to the field.

Major projects such as replacement of gates, painting parking lot, posts, etc. will be done in April, May, October, and November. The weather in the months of June through September are too hot for this kind of work. Thanks for your cooperation in maintaining our flying field.

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The following workers installed new gates at our flying field on one of the hottest days of this year; Daniel Swan, Tony Eckstein, Pat Keebey and Bob Gizzie. The gates were built at no cost to the club by Jeff Harrison. Mike & Donna Freymuth provided equipment for doing the job and gave much needed assistance. Thank you to all who assisted with this project!



BOB GIZZIE PHOTOS

Bob Gizzie, Daniel Swan, Tony Eckstein and Pat Keebey take a deep breath after doing a great job on the new gate.



Installing a New Gate, Aug 10, 2005

By Pat Keebey

The new gate was installed on Wednesday, August 10, 2005. It would not have been completed except for a young man and his partner, neither of whom are yet members of the club. Tony Eckstein is going to join the club at the August meeting and his partner is Daniel Swan. These young men worked their butts off installing the gates, along with Bob Gizzie and myself. I became sick with heat exhaustion and as a result was not able to help as much as I would have liked. Bob Gizzie pitched in and did all he could but has had heart problems and it worried me that he was working so hard in the very hot weather. I think the club needs to ask Tony Eckstein to stand up and give this young man a round of applause for his effort in helping this club, even before he has become a member. He is a builder by trade and provided his truck and tools as well as his expertise to complete this job. He also picked up the materials for completing the job.

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TRAINING REPORT

By Bob Gizzie

It has been very hot as every one knows, but we have had training going on, usually on the weekends! There seems to be a lot of drive-ups in the evenings and weekends, just wanting to watch. It never hurts to ask them if they have any questions that you can answer. I have even found that if you ask if they have a plane with them that some do and would like you to look it over and help them fly it. I have been giving out a lot of club brochures, AMA applications and club applications and reminding them that youth can belong to the AMA for \$1.00. It's the best deal going that I have heard of in a long time!

Here's an update on the club's RCV 58 test engine in our club trainer. We have run five gallons of fuel now and do have one concern. All of a sudden it would not keep running after start and would quit on takeoff. This gave me fits troubleshooting. I checked glow plugs, cleaned the carb, and tried new fuel with no change. Finally, I think I found it. The Sig fuel tank that came with the ARF was split where the stopper enters the tank on the seam. I was just about ready to throw in the towel. All during this time I have also been concerned about the amount of heat that forms in the crankcase area behind the front bearing. After a flight it will burn you if you touched it. I was sure that this was causing a problem. That's why we have never installed the cowling on the Sig Kadet Senior. But, after so many questions about why there's no cowling, I have finally put it on. We have not flown it yet with the cowling installed. We'll see how it goes. There is one other item that's a puzzle and that is, with throttle open all the way, it doesn't make full power. But if you retard throttle it has more rpm and power. If anybody has any ideas or suggestions, let me know.

The club-owned Sig Kadet Senior is working well and is a very good trainer. However, the covering used on on this particular ARF is separating. The clear outer-layer film is separating from the color film and I can't keep it attached. It looks really bad. The fuel tank, as stated above, was the running problem due to the split on the seam. I will contact Sig to see if they are aware of the problems and have any solutions.

*All for now - see you at the field
Bob Gizzie*

DUTIES OF CLUB OFFICERS

By Walt Wilson

Nominations for officers are coming at the September meeting. At present, some members are holding more than one BOD position and doing twice the work expected of any one officer while many club members are contributing nothing but their dues to the club. We would like to have more members involved in doing the everyday jobs necessary to operate a club of this size. With 171 members, we are the largest individual model airplane club in Eastern Missouri, and possibly in the entire state. At the August meeting, it was suggested that the assigned duties of all elected and appointed members of the Spirits' Board of Directors be published in this newsletter. This information is available

on our web site at:

<http://spiritsofstl.com/handbook/Handbook.htm>

The following is excerpted from the Club Constitution and By-Laws:

Board of Directors: The management of the affairs of the Spirits shall be vested in the Board of Directors who shall have the authority to establish and administer its policies. Official decisions may be made by a two-thirds (2/3) majority mail vote or by a quorum at a Board of Directors meeting. A quorum shall consist of at least 50% of the current Board members. Official decisions shall be consistent with the stated purposes and objectives of the AMA as set forth in its By-Laws and, where those By-Laws are not specific, vested in the sound discretion of the Board of Directors.

Elected Officers:

President: The President shall preside at all meetings of the Club and shall act as spokesperson in all matters pertaining to it.

Vice-President: The Vice-President shall act for the President when he/she is unable to serve, and is to maintain an accurate record (including place of storage) of all Club assets.

Secretary: The Secretary of the Club shall record minutes of each Club meeting and handle all correspondence pertaining to Club activities.

Treasurer: The Treasurer shall collect all monies due and shall keep a record of monies disbursed by the Club.

Appointed Members of the Board of Directors:

Field Committee Chairman: The Field Committee Chairman shall be responsible for establishing "mowing crews" and "mowing equipment maintenance crews". He or she is to ensure that the field is properly maintained, and recommend improvements/changes.

Safety Committee Chairman: The Safety Committee Chairman shall be responsible for chairing the safety committee and ensuring existing rules are enforced. This includes processing the grievance forms and following the existing grievance procedure documented in the By-Laws.

Contest/Event Committee Chairman: The Contest/Event Committee Chairman shall be responsible for coordinating and establishing, in conjunction with all the Club's Contest Directors, a schedule for the next contest/event season. The schedule will be decided by the Contest Directors, and approved by the members.

Membership Chairman: The Membership Chairman shall be responsible for collecting all membership dues, verifying applicant has provided required proof of AMA membership, and maintain the official club roster.

Newsletter Editor: The Newsletter Editor shall be responsible for coordination, and publication of the Spirits' monthly newsletter "Flight Lines". A paper copy, will be mailed to each active member and an electronic version, will be supplied to the Web-Master for inclusion on the Spirits' web site.

Web-Site Web-Master: The Web-Site Web-Master shall be responsible for maintaining the Spirits' official web site, and its entire contents. *(Continued on the next page)*

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Appointed Member: One additional full member who may choose to serve on the Board provided he/she is approved by a simple majority vote of the general membership present at the regular meeting in the month of November.

The Outgoing President will automatically serve as a Board Member the following year, to provide guidance and continuity to the next administration.

NOTE: Each board member will have only one vote regardless of the number of Board positions held.

Other Appointed or Volunteer Positions:

Meeting Activity Coordinator/s: The Meeting Activity Coordinator/s shall be responsible for coordinating model-related activities, immediately following the business portion of the meeting.

GSLMA Representative: Represent the Spirits at the monthly meetings of GSLMA. (We are not currently active in GSLMA [Greater St. Louis Modelers Association]).

Tuesday Evening Electrics

By Greg Bohrer

Every Tuesday evening at 6:30, until dark, we are having electric night. Bring out the electric planes and have fun. Too dark? I guess we can't say that as the electrics now can have lights. Its a great way to get the gas people to see what the electric craze is all about.

See ya at the field

Lost Transmitter

By Don Velasco

I was at the field Saturday afternoon, August 6, and forgot my transmitter by the fence at the taxiway. It's a Futaba 6EXA computer transmitter and I have three models that are labeled on the back side, saying: 1. Trainer, 2. Stinger, 3. Super Sport. If you found it, please call me on my cell at 618-203-1277 or home 636-922-4519 or my work number below. Phone: (314) 291-5110, ext. 215; Fax: (314) 291-8536; E-mail: don.velasco@zoltex.com

Thank you very much for your help!

Beginners' Corner, Chapter II, part I

By Ralph Amelung

Ground Equipment

Fuel: Consult your owner's manual for the best fuel for your engine. Cool Power 10% is a popular fuel. Also review your manual for the proper "run-in" procedure. Fuel prices vary, but a gallon of 10% can usually be purchased for about \$12.99.

Your fuel jug will need "fittings" to extract the contents and fill the gas tank in your plane. A Dubro "Fillin Station" # 908 (\$35.99) is one choice and contains a hand-crank pump, plus fittings.. Other crank pumps are available separately such as a Hobbico HCAP3015 (\$11.99). The fittings sold separately are Dubro 807 (\$8.20). Electric fuel pumps are also available.

Fuel tubing might be needed depending on the fuel delivery system you choose. Dubro # 197 (85 cents per foot) or Prather Super Fuel Line # 7080 (80 cents per foot) are good

choices. Get a couple of extra feet. It is a good idea to store some fuel line in your field box for other uses.

Ignition: Consult your owner's manual for the proper Glow Plugs. OS A-3 (\$3.99) and OS No. 8 (\$5.99) are very common. To "light-up" the glow plug you will need a Glo-Plug Ignitor. Many are available. Some come with an enclosed Ni-Cad battery and wall charger. A Dubro DUB666 (\$15.99) is an example. . Other ignitors require "C" batteries that are purchased separately. . A "four-way" wrench, part number HCAP 2250, (\$4.99) designed for changing the glo-plug is available .

Starter: Starting your engine will require a device to turn the propeller rapidly. A medium range grade starter is the "TorqueMaster 180" (\$39.99). A 12-volt battery will be required to power-up your starter. A Hobbico battery HCAP0800 (\$19.99) or any 12-volt garden/motorcycle type battery will work. You will need to charge your battery. The Hobbico HCAP0200 12-volt charger (10.99) will do the job.

Other:

A spare propeller is also a very valuable item to carry with you. A MasterAirScrew 10 x 6 (MAS, \$1.99) will work with many models. Consult your manual for the best prop for your engine.

The prices above were available at Mark Twain Hobbies as of August 16, 2005. Mark Twain also offers a Hobbico Deluxe Field Box Combo that contains a lot of equipment for \$124.99. However, differences in the quality of the components are readily apparent. You will have to decide what grade of equipment best suits your needs.

As always, ask questions and watch other modelers before spending a lot of money on equipment that might not be necessary. Tools required for this hobby will be discussed separately.

Bare Bones Estimate of Ground Equipment:

Fuel	\$12.99
Fuel Line	\$ 4.00
Fuel Pump	\$11.99
Fuel Fittings	\$ 8.20
Spare Glow Plug	\$ 3.99
Glow Plug Wrench	\$ 4.99
Glo-Igniter	\$15.99
Starter	\$39.99
Starter Battery	\$19.99
Starter Battery Charger	\$10.99
Spare Propeller	<u>\$ 1.99</u>
Total:	\$135.11

Every hobby has it's price. Happy Landings and be safe and never fly alone.

August 13 Low Key Fun-Fly

By Bob Fiely

Saturday's high temperatures couldn't stop those who entered the Summer Fun Fly from having a good time. Andy Scholl was truly the pilot of the day. He collected the \$50 first prize for being right on target with his dead-stick landing and the golf ball drop.

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Other prizes went to:

- 2nd - Curt Milster
- 3rd - B. J. Campbell
- 4th - Jake Milster
- 5th - Bob Gizzie.

The casualty list for this year's golf ball drop was light. Bill Hancock twisted the landing gear on his good looking Astro Bipe and Russ Watts' Swizzle Stick may require a full body cast to recover from a kamikaze-styled golf ball drop.

Items For Sale

- \$250.00 OS 1.60 FX ringed w/muffler and pump. In box w/Pitts muffler.
 - \$250.00 OS FS 1.20 Surpass III w/pump. In box w/tools.
 - \$75.00 OS .91 Surpass 4c w/muffler. In box.
 - \$25.00 OS .25 LA Low time.
 - \$175.00 Saito 1.20 dual glow plug head w/muffler. In box.
 - \$250.00 Saito 1.50 4c w/muffler. In box w/tools
 - \$240.00 YS FZ .91 w/muffler. In box w/tools and Pitts muffler
 - \$150.00 HB .61 2c new in box
 - \$1900.00 Like New Pace American 5X8 Trailer, Insulated roof, set up for airplane hauling
- Contact : Jeff Blackwood chiefpilot@charter.net or call: 636-287-9422 Cell 314-304-4730.

Open House at Rolla

By Don Ware

I would like to invite you to our first Open House for a fun day of flying. I know the date may not work for some, with the events going on in St. Louis, but this is the date the Club selected.

You are all invited to join us on Saturday, September 17 at the Rolla Modelers' new flying site in Vichy, MO. Flying will start around 9:00 A.M. and continue to whenever the

daylight makes us quit. We are planning on having a BBQ and drinks on site. This new field is a grass strip and we have plenty of parking.

Just go past the entrance to the Vichy airport, about six tenths of a mile. We are on the right, just past the lake.

We will be having trainers set up with "buddy boxes" for anyone wanting to try their hand at flying an R/C model.

Hope to see you there.

If you have any questions, e-mail me at:

wardpc@fidnet.com.

Thanks, Don Ware

The Last Word

By Walt Wilson

In the Beginners' Corner column we discuss various recommended products. We know they're good from personal experience. There are other planes, engines, radios and ground support equipment that will do the job, in addition to the ones mentioned. The brands recommended there are simply the ones we consider to be the best. Again, engines without ball bearings on the crankshaft should be avoided! They are usually the bottom of the line and frequently do not have features that make good performing, durable engines. The important thing in an airplane is to get a high-wing trainer with tricycle landing gear. Tail-draggers are more difficult for the trainee to control while taking off. Low-wing planes generally require more pilot input to fly steadily and are less forgiving of pilot error than those with high wings.

Now that you've picked out your plane, engine, radio, and the necessary parts to make it complete, you need to think about ground support equipment. The preceding article by Ralph Amelung is well thought-out and all the recommendations are good. Plastic or nylon propellers are the current state of the art, so we'll assume you've selected one for your plane. You'll note that the edges are quite sharp. Model airplane engines can frequently be started by hand, by flipping the prop, but that's not recommended. The edges of the prop are sharp and, even with gloves, a difficult engine can do a lot of damage to your fingers. For the preservation of your hands, I suggest you get an electric starter. It'll save some grief, too, if you ever have trouble getting your engine started. Starters are available with self-contained batteries, if that's your choice. Most modelers choose one with cables and a separate 12-volt battery, which can be used for other purposes, too, like driving an electric fuel pump and/or power panel. A power panel can be used to light up your glow plug, too, but really isn't necessary. Self-contained glow plug ignitors are available and preferred by many flyers. I recommend you get a flying box to transport all your equipment and make flying more convenient. You can build your own, or kits are available starting at about \$20.. The sky's the limit for pre-built boxes, which sometimes include part of the ground support equipment you'll need (See Ralph's article).

We'll have more "Beginners' Corner" next month. That's all for now!

Gotta go build!

Rolla Modelers Open House

September 17th 10am
Admission FREE
Lunch Available





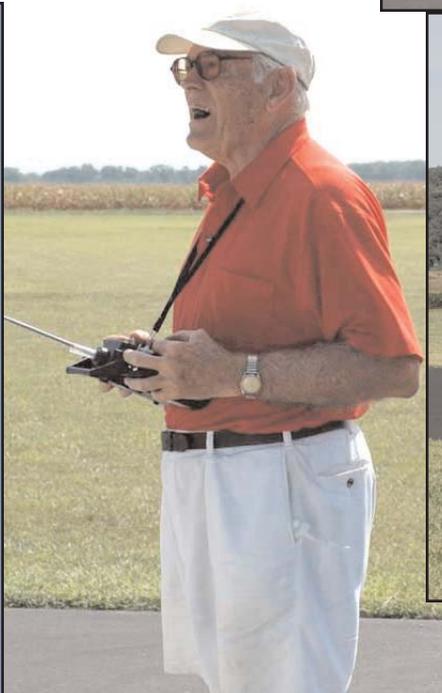
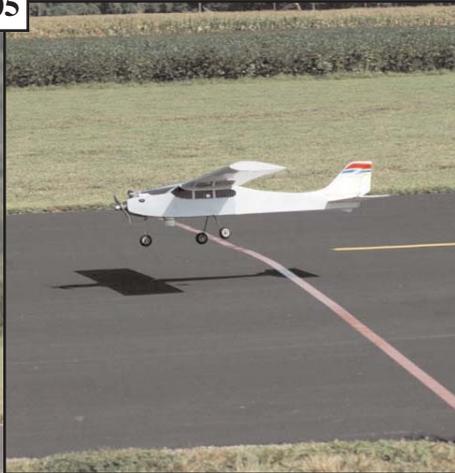
Radio Control Airplane Events
Sign up for a Free Training Flight

Vichy Flying Field
Hwy 28 north 6/10's mile past Rolla National Airport Entrance on Right



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Low Key Fun-Fly August 13, 2005



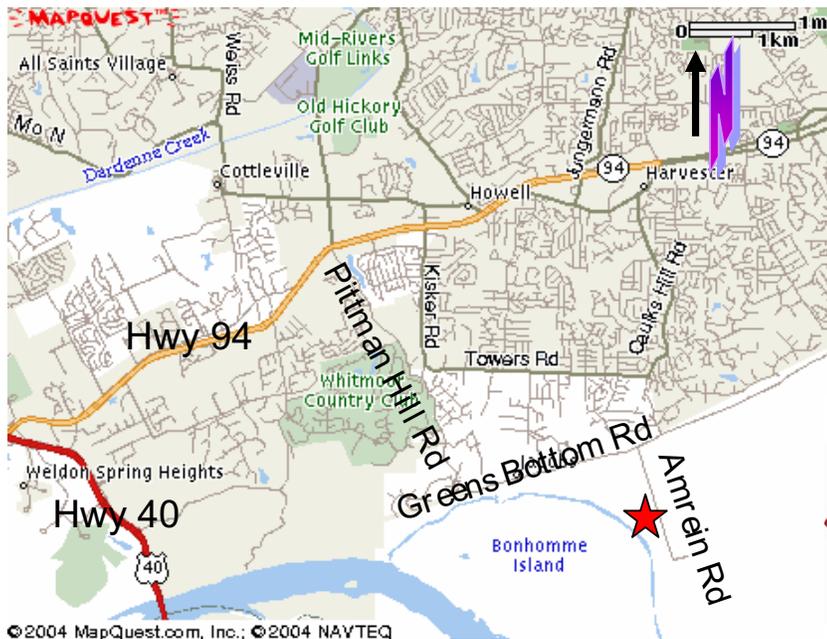
DON FITCH PHOTOS

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

5th Annual Open House!



Saturday - September 24, 2005
9:00 AM to 4:00 PM



See Website for detailed directions and maps, or call contacts below .



FREE Admission! FREE Parking!
Pilot Registration Required with Current AM A
Transmitter Impound Area Provided for Your Safety

SPECTATORS ALWAYS WELCOME!

- RAFFLE: Radio, & Other Prizes!
- Registered Pilots ONLY drawing for FREE 2006 Spirits Family Club Membership!
Drawings at 1:00 p.m. Must be present to win!

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

CONTACTS: Greg Pugh 636-279-1289 Bill Lindewirth 314-839-082
Website <http://spiritsofstl.com>

Concessions Provided

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FLIGHT LINES



Duane Youngman tries for a dead-stick spot landing!



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www.spiritsofstl.com

**Meeting is on
Wednesday,
September 14
at 7:00 P.M.**

September, 2005