



FLIGHT LINES

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

SWAP MEET: MARCH 19

PREZ SEZ

By Bill Lindewirth

I would like to thank Pat Keebey and Bob Gizzie for helping me remove the brush that was dumped in front of our entrance gate. Our sincere thanks also goes to our friendly neighbor down the road, Mr. Dan Hackman, for allowing use to dispose of the unwanted brush on his property.

I would also like to thank Lee Volmert for volunteering his time and material to update our frequency board to include the 27 MHz frequencies.

If you have not already renewed your membership for 2005, this will be your final reminder. Membership renewals received after March 1, 2005, "MUST" include the \$25.00 new membership application fee.

More airplanes are needed at our monthly meetings. Please share with us your latest and greatest aircraft, or any other items of interest related to this great hobby.

See you there!

MEETING MINUTES: FEBRUARY 9, 2005

By Walt Wilson

Members signed in: 23 members and two new member applicants were present.

Spirits' Cups and Caps: The first shipment of insulated cups arrived and all but two of the ones Bill Lindewirth brought to the meeting were sold. If you want to buy one or more cups, at \$5.00 each, contact Bill at 314-839-0282 or e-mail him at: MrBillSTL@aol.com

Pat Keebey brought a number of Spirits' caps to the meeting and all were sold. If you want to purchase a cap, at \$5.35, or other Spirits' apparel, call Pat at 636-928-3918 or e-mail him at: keeb56@aristotle.net

Secretary's Report: Minutes were accepted as published in last month's Flight Lines.

Treasurer's Report: The Treasurer's Report was accepted as presented. We have a substantial amount of money on hand but, all is presently committed for known expenses throughout the year.

Field Report: The wind blew the Porta-Potty over, but it

was righted and cleaned within one day. Someone has driven around the gate and rutted the area. The present gate is very difficult to open and close. Jeff Harrison has volunteered to build and install a new gate at no charge to the club. We accepted his offer!

Safety Report: Fixation: While starting and adjusting engines, one may become fixated with the task and forget safety. Always move behind the propeller arc before running the engine up to full speed or making adjustments. Also, assure that no other people are in harm's way before revving the engine. See Don Fitch's article on page two for possible consequences from contact with a spinning prop.

Paul Geders showed and discussed a warning and recommendation from AMA. They suggest a sign should be posted that warns: "WARNING! AEROMODELING MAY CAUSE SERIOUS INJURY! PROCEED AT YOUR OWN RISK!"

They suggest we enlarge the document to approximately 11 1/2" x 17 1/2", laminate the document and post it at the field. Bill Lindewirth will take care of it and post it in the pavilion.

Membership report: As of of meeting night, we have 112 members either new or renewed for 2005. **If you haven't already renewed, your 2004 Spirits' membership expired on December 31. Members who don't renew by March 1 will be considered new and will be required to pay an initiation fee. A membership application is included in this newsletter. A copy of your 2005 AMA card must accompany your renewal. This is the last copy of this newsletter you will receive if you do not renew.**

OLD BUSINESS:

Swap Meet: The Swap Meet will be on March 19, at Fort Zumwalt South High School on Mexico Road at Belleau Creek Road in O'Fallon, Missouri. Volunteers are needed to do several jobs. A sign-up sheet was passed around at the meeting. **A flyer is on page three.**

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Show and Tell: Pat Keebey has the facility reserved and the menu selected. At least twenty five people are required to get the caterer. The rules are on page five and the flyer, with the reservation form, is on page eight. **Get your reservations in on-or-before March 9!**

Lease: Our attorney has completed updates for the new ten-year lease for the field. The Board of Directors will review the updates. The lease will then be signed and submitted to the property owners for approval and signature.

New Member Applicants: The following are two new members and two who had not been introduced at a meeting.

Name	Phone Number
Steve Landrum	314-426-0447
Feroz Khan	636-441-4242
Tom Murphy	636-928-4641
T. C. Murphy	636-928-4641

The new applicants were unanimously accepted.

NEW BUSINESS

None was presented.

Meeting Activity: Vic Bunze discussed two of his electric planes and various features. See the photos for details. Don Fitch conducted a question and answer session. Several subjects were addressed.

Meeting was adjourned at 9:55 P.M.

Swap Meet Table Reservations

By Greg Pugh

Business Tables: You can purchase/reserve an 8 foot business table, see directions and pricing at:

<http://phantomflyersrc.com/swapbusiness.htm>

Round Tables:

Club Members can reserve a 5 foot round table in advance. The plan is to number the tables so you'll have an assigned table (to minimize confusion). Contact Larry Lueske at larry@phantomflyersrc.com Be sure to specify you are a Spirits' member and you wish to reserve/purchase a 5 foot round table.

See you there! Greg

KEEP YOUR FACE OUT OF THE PROPELLER

By Don Fitch

Being the Chairman of the Events Committee, I feel it is incumbent of me to relate to you an event that occurred in my shop. The project was to check the amperage of one of the little electric motors currently being used in our hobby. The motor was mounted onto a piece of ¼ inch plywood, which was then mounted securely in a vice. Since the electric's do not develop the vibration associated with the



WALT WILSON PHOTOS

Vic Bunze discusses his E-Flite Ultimate 3-D Profile ARF. It's powered by an AXI 2808 Outrunner motor with a three-cell lipo battery and uses a four channel radio with sub-miniature servos. He also brought an E-Flite Yak 55 which was pictured in last month's Flight Lines.



Don Fitch conducted a question and answer session where many items were covered. Subjects ranging from what kind of equipment to buy, to battery management, were covered. Paul Geders (right) helped answer many of the questions.

“wet” engines we use, I was unconcerned about the whole mess pulling out of the vice to wreak havoc within the shop. Surprise!! The famous Irish rule, that anything that can go wrong will go wrong, did not fail to assert itself.

The motor was mounted in a secure motor mount. A prop adapter was attached to the motor shaft with 2 screws and the propeller secured to the adapter with a SMALL rubber band. If anything was going to fail, it was that rubber band, right? Wrong, the adapter came loose from the shaft launching the prop into the air. I was “behind” the prop, sort of. It was a pusher prop and was blowing the air at me. I was watching the wattmeter climb and then drop as the battery voltage changed when something hit me in the area between my chin and my lower lip. WHAT THE HELL WAS THAT?

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FLIGHT LINES

Same
Location as
Last year

Over 20,000 sq ft! Of RC Items

R/C EXPOSITION



& Swap Meet



At Fort Zumwalt South High School
SATURDAY - MARCH 19, 2005

*Expanded Format: Airplanes, Boats, Helicopter, and Cars!
Fly an R/C Flight Simulator! Watch Action Videos! Enjoy Static Displays!
Learn about the hobby! Talk to St. Louis Area Clubs!*



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**

NEW ADMISSION

10AM early admission with purchase of table

\$10 for 5' round table, includes admission

ONE Person, NO EXCEPTIONS

OR

At 10:30AM \$5 for general public admission

Children under 10 admitted Free

No Sales Permitted in Parking Lot

Admissions sales close at 2:00 PM

Business Tables see <http://phantomflyersrc.com/swapbusiness.htm>



Presented by:

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

CONTACTS: Ed White 314-232-1479

Email @ swap05@phantomflyersrc.com

See <http://phantomflyersrc.com/swap.htm> for latest details

Reference <http://spiritsofstl.com>

*Same
Location as
Last year*

On-Site Concession Stand

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A Nice Day at the Field in January.....



Jeff Muhs with his Beechcraft Bonanza after it's maiden flight.



Bob Gizzie (left) assists Westy Westhoff with his Nexstar RTF. Westy got in some stick time and enjoyed the weather!



Don Hoelting holds his Hobbico Ventura electric RTF. This was the first day out with it and it flew well. This is a unique departure for Don, who usually designs and scratch-builds all his planes.

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Surprise, it was the sharp edged APC prop I was using. Reason seemed to indicate that if the prop were thrusting away from me, it would not come my way if anything went awry. Wrong again. It didn't hurt much, but I sure bled like a stuck pig. I washed the cut with soap and water and sprayed it with Bactene. Carolyn insisted that we go to the emergency room, which we did. The doctor wanted to stitch it up, but ever the coward, I insisted that it be taped only. After all, it did not cut ALL the way through. The wound has pretty well healed and the scar is small, but it reminds me to keep my face out of the prop.



This was the kind of day we look forward to throughout the winter. Little wind and temperatures in the high 50's. Lee Volmert just came out to eat his lunch!

The electric propulsion systems are quiet and clean, but we still have to be on guard when we are using them. A plastic knife blade rotating at 7000 RPM is dangerous. Fingers are perhaps the part of us most at risk but watch out, those props are extremely sharp and they are dangerous.

Show and Tell 2005

By Walt Wilson

Show and Tell is being resurrected after more a than ten year hiatus. Many of our present members weren't in the club when this great event was held in the past. For that reason, we're including the rules for this event on page six. See the next page for a flyer and entry blank/reservation form.

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"Show & Tell" 2005



Saturday: April 16th 2005
7:00 pm – 10:30 pm

Mt. Zion Methodist Church
1485 Craig Road
Creve Coeur, MO 63141
Event Director: Pat Keebey, Tel. # 636-928-3918
Assistant Event Director: Bill Lindewirth, Tel. # 314-839-0282

Adults: \$15.00 / Person
Children age 15 and under: \$10.00 each
Includes: Appetizers, Dinner, Dessert, Soft Drinks, Coffee & Ice Tea
Entry form "MUST" be received by March 9, 2005

Mail completed entry form and payment to:
Bill Lindewirth
1046 Pinecone Trail Dr.
Florissant, MO 63031

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) "Sport Scale" "Open" "Novice" "ARF" "ARC"

Description Model # 2: _____
Model Category: (Circle One) "Sport Scale" "Open" "Novice" "ARF" "ARC"

Limit two (2) models per entry per person

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Show 'N Tell Rules 2005

Objective: This event will give our members an opportunity to show their winter building projects and encourage the building of new airplanes.

Qualifications:

1. Limited to R/C aircraft only.
2. Builder of the model rule applies.
3. A model may not be entered in more than one category.
4. Models must be complete and ready for flight, with the exception of radio gear which may or may not be installed at builders discretion. All engines, propellers, control horns, and external linkage must be installed.
5. Member may enter no more than two aircraft.

Classes for Models:

Sport Scale - Sport Scale entries should be accompanied with a minimum of a three-view for verification that the model is crafted after a full scale aircraft.

Open - May be any type of aircraft except scale or stand-off scale.

Novice - Any type of aircraft may be entered. Must be modeler's first building project.

ARF - Static display only.

ARC - The airframe must have been painted and/or covered with a plastic film by the assembler/builder.

Judging: All aircraft will be judged by the Spirits' members present at the Show 'N Tell Dinner.

Awards:

Best of Show - The most popular aircraft entered.

Best Paint Finish - the aircraft receiving the most votes in this category.

Best Plastic Film Finish - the aircraft receiving the most votes in this category.

All members entering an aircraft will receive a Certificate of Participation. Plaques and Ribbons will be awarded for 1st, 2nd, and 3rd places in the Sport Scale, Open and Novice Classes.

The Last Word;

By Walt Wilson

Many years ago, in a world now almost forgotten, if you wanted to fly radio-controlled model airplanes, you had to first build them. When the hobby was young, building a radio-controlled model airplane that flew and responded to commands was a major accomplishment. The plane could

be simple, with it's only functions being flight and carrying the equipment necessary to control it. In many instances, Free-Flight models were converted for R/C. After man figured out how to get the planes to fly the way he wanted, sometimes, he tried building some that looked better. The earlier ones were just better looking models dedicated to flight. Then there was the scale model. There were all kinds of nice-looking full-scale airplanes available to model. Those of us who had been around for a while had built them as solid models (wood, not plastic) and rubber-powered Free-Flights, then as Control-Liners. The first R/C scale models were probably too heavy for the power available or not proportioned well for the smaller flight envelope and related aerodynamics. Some, such as the Piper Cub and others of that type were naturals and flew beautifully. In other instances, liberties were taken with the scale proportions and good-flying semi-scale models evolved. Kits had been available as plans and piles of balsa and other materials since the early days of the hobby.

As time went by, the kits became better with die-cutting and other prefabrication techniques. People still built their planes, but it got easier. For every kit or plan published in a magazine, someone, somewhere, scratch-built the prototype. He conceived the idea and, starting with a clean piece of paper, designed a model airplane. He then invested his time, money and other resources to build a plane that was capable of flight but may or may not ever fly. In many instances, the satisfaction of building a model of a particular subject was enough.

Contests were held and the planes and flyers were pitted against each other for prizes, trophies, or simply the bragging rights for doing a good job. A few builders and/or flyers evolved to become world-famous in the hobby.

Others were happy to simply do their best at building their subject and show it to their friends and contemporaries. Flight and the risks involved were optional. .

In the late 1980's and early 1990's the ARF (Almost Ready to Fly) model came along. With the new millennium, the RTF (Ready To Fly) came along. People with little or no building skills were able to fly R/C airplanes! Even competent builders got ARF's or RTF's to fly, saving their planes that cost hundreds of hours and dollars to build, for special occasions. With the advent of buddy-boxes and well-designed and built ARF's and RTF's, people learning to fly experience many fewer crashes than we did twenty or thirty years ago. Many have never felt or learned to appreciate the sense of loss that goes with losing a plane you may have taken a year or more to build.

All of the other Spirits' events, except the Swap Meet, are dedicated to flyers, with little emphasis placed on building skills. ARF's are even commonplace in the Warbirds event

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which was originally a scale contest where the planes were raced, too.

All members and their families, along with non-member friends, are invited to attend Show and Tell. While ARF's and RTF's will be displayed, Show and Tell is a competition and showplace for the builders in the club to display their talents and efforts. Few if any of our members have the skills, patience and facilities to build on a level with the Bob

Underwoods and Dave Platts of the world, but we do have some very capable builders. With the new R/C products available, almost anyone can fly within a short time after getting the urge. Building talent is another area of the hobby. A well-executed model airplane, scale or otherwise, is an art form and should be appreciated as such. We hope you come and enjoy the planes and friendship available on April 16.

Gotta go build!

Belleville RC Flyers Swap Meet

Saturday, Feb 19, 2005

9:00 AM - 12:00 AM

Vendors May Enter at @ 8AM

Public @ 9AM

Lasts until Noon

Tables \$5, Admission \$5

Steamfitters Hall

(Near Fairview Hts. IL)

One mile North of I-64 on 159

1220 Donald Bailey Drive

Caseyville, IL 62232

Contact: Larry Dawson, E-Mail: [**rcld1810@aol.com**](mailto:rcld1810@aol.com)

Phone Number: 618-233-5484



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:

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 BYLAWS. 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
 Bill Lindewirth
 1046 Pinecone Trail Dr.
 Florissant, MO 63031
 Phone No. 314-839-0282

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

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2005 Activities Schedule

Date	Contest or Event	Contest or Event Director	Notes
March 19	Swap Meet	Greg Pugh	See flyer on page four
April 16	Show & Tell	Pat Keebey	Classic Spirits' Event Revived
May 7	SLRCFA Four-Star 40	Charlie Brunner	Eureka, Mo.
May 21	Four-Star 40/Warbirds	Paul Geders	AMA Sanctioned Races
June 11	Fun-Fly	Bob Gizzie	
June 5	Learn to Fly Day	Bob Gizzie	Boy Scout Introduction to Flying
July 9	SLRCFA Four-Star 40	Charlie Brunner	Eureka, Mo.
July 16	Four-Star 40/Warbirds	TBD	AMA Sanctioned Races
August 6	Fun-Fly	Bob Fiely	
August 27	Four-Star 40/Warbirds	Steve Cross	AMA Sanctioned Races
September 24	Open House	Bill Lindewirth Dave Rose Greg Pugh	The Spirits' biggest flying event
October 1	SLRCFA Four-Star 40	Charlie Brunner	Eureka, Mo.



FLIGHT LINES

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

www.spiritsofstl.com

**Meeting is on
Wednesday,
March 9
at 7:00 P.M.**