



FLIGHT LINES

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

“SHOW AND TELL” COMING APRIL 16

Hundreds Enjoy 2005 Expo And Swap Meet



More pictures on page five

Photos by Walt Wilson

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PREZ SEZ:

By Bill Lindewirth

I would like to thank Mr. Bob Underwood for his outstanding presentation on 'Scale Modeling' at this month's meeting. Our club is very fortunate to have him as a member!

This month I would like to share with you the words of Mr. Gordon Banks, editor of "R/C Report" magazine, as published in the March, 2005 issue.

"...The next time you go to the hobby shop, or get ready to take-off at the flying site, take a moment to look around. Observe others. Individually we're not all leaders, but we are an important part of the whole, and that's what modeling is.

We fly in the winds of our fathers, and they'll be there still for our children. Our life is our flight over the runway of time. Should we save ourselves for the end, or should we go all out right now? When we're racing against time, but we don't know when the time ends, hadn't we better go hard right from the start? We'll be squeezing some nurse's hand soon enough, so I think it's better to leave with an empty wallet but a full heart.

Start a new life right now. Fill your heart and memories with all the adventure you can. Try new things, enjoy your favorite things more often, and quit putting off that great adventure you've been dreaming about. Live now! Yesterday is gone, and there may be only a few tomorrows left."

Our club has planned a lot of exciting events and activities for this year. Take the time to enjoy them while you still can!

See you there!

MEETING MINUTES, MARCH 9, 2005:

By Walt Wilson

Meeting was called to order at 7:02 P.M. by President Bill Lindewirth. 31 members and six applicants were present.

Secretary's Report: Unanimously accepted as printed.

Treasurer's Report: Unanimously accepted as presented.

Field Report: Pat Keebey reported that Lee Volmert leveled the tilting Porta-Potty. The Field Committee is going to install a concrete pad to make a permanent, level location for the Porta-Potty.

A radio station in Wentzville has a show that allows free advertising of farm equipment. Pat is going to try to get an ad on the show for one of our tractors. It was noted that some additional gravel is needed on our access road. A light layer of gravel is also needed on the road between our parking lot and the levee, to comply with provisions of the new lease. Various means were discussed to cover the cost of gravel, which is not currently in our budget. It was noted that Amrein Road is in considerably worse condition than our gravel driveway. Other maintenance items were discussed that will be taken care of as the weather gets better.

One of our members has volunteered to build a replacement for the badly deteriorating gate to our field.

No action will be taken in this area until the new lease is signed by the property owners.

Safety Report: Vic Bunze noted that this year's membership cards are white, rather than some color as in past years. If the existing rules are followed, a flyer will always go to the frequency board and put his membership card on the frequency, covering the number to be used, before turning on his transmitter. The side of your card with the number of the frequency to be used should be out. The difference in size of the numbers, or the appearance of the membership card when face-out should make it immediately obvious, even from the pit lane, if the frequency is in use. If a card is on the desired frequency, see if the person is flying or otherwise using the frequency. When the user removes his/her card, you may put yours up and proceed.

Ralph Amelung has provided transparent orange covers to go over the cards, when on the frequency board, to make them more visible at a distance. Use of the color covers is optional but, is an added safety feature.

Training Report: The RCV .58 engine provided to our club for testing by the RCV Engine Co. was passed around for examination by members present. Paul Geders will break-in the engine and tune it for reliable idling. Bob Gizzie will use it in the club trainer. Performance will be evaluated throughout the coming flying season. A limited number of discount slips are available at our meetings.

New Members: The following members introduced themselves at the meeting:

Name	Phone
Scott Gerber	618-374-5098
Peter Newton	314-249-7585
Bob Raab	636-946-8952
Joe Graneto	314-308-4947
Brad Stoecker	314-895-1057
Scott Stoecker	314-895-1057

Members unanimously accepted the new applicants.

OLD BUSINESS:

Swap Meet: A volunteer list was circulated at the meeting. Help is needed on Friday night for setup and after the show for tear-down. Help is also needed in the concession stand throughout the day.

Field Lease: The new lease has been signed by our representatives and forwarded to John Ostmann for approval and signature. Upon signature, the lease and all documentation will be stored in our safe deposit box to avoid future repetition of the difficulties encountered in locating everything this time.

The club property inventory will be stored there, too.

(Continued on the next page)

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(Continued from the previous page)

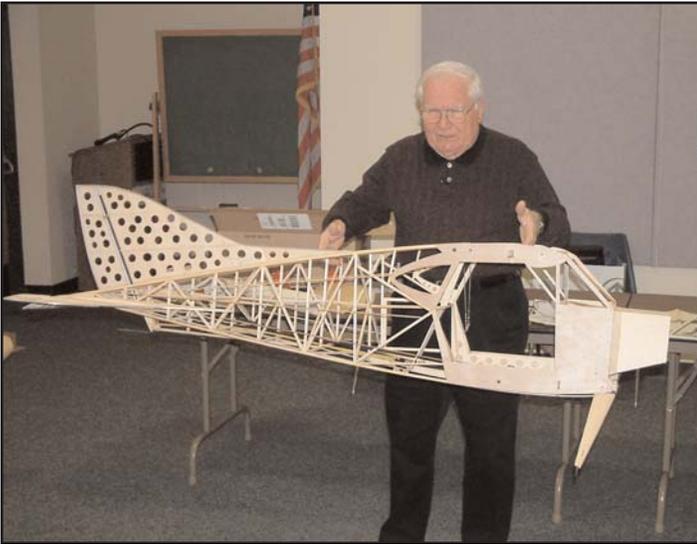
Show and Tell: The minimum number of people required to get the caterer was exceeded considerably by meeting night. Sixteen planes were entered at that time and more are expected by the drop-dead cutoff of April 1. This first Show and Tell, after a ten-year hiatus, has been kept low-key. Now that we know it's going to be well-attended, next year's event will be expanded to a more elaborate format as in years past.

NEW BUSINESS:

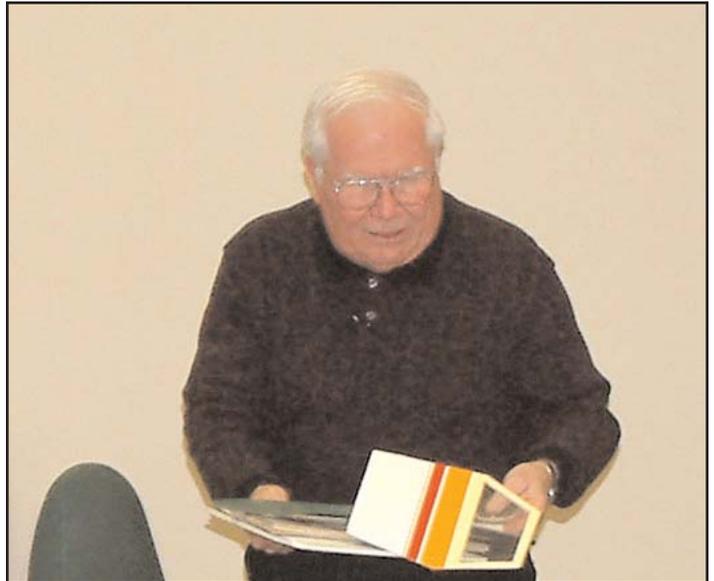
Restraining Forks: George Cooper has ten of his airplane restraint forks available for \$10.00 each. This is about half the price of similar units at the hobby shops or mail-order



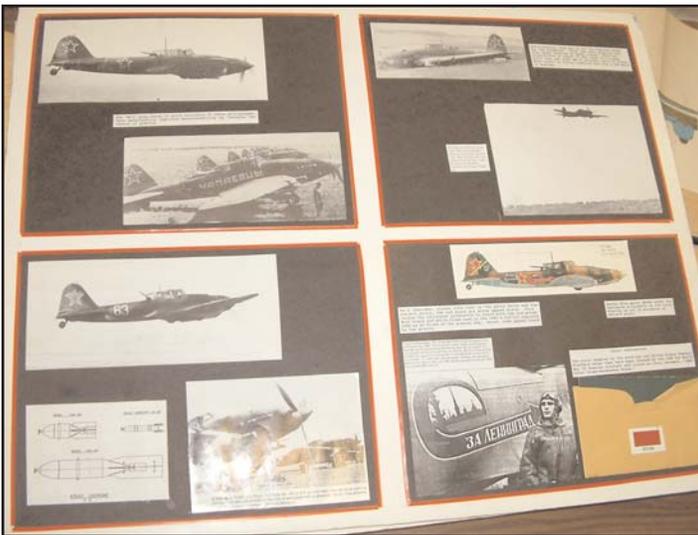
Bob also brought and discussed his Stormovik (Front right) and his in-work Dehavilland DH-88 (background). He noted design problems and solutions he used.



Bob Underwood, an internationally known scale competitor and member of the Spirits, discusses his in-work scratch-built 1/3 scale Hyperbipe. He noted some of his techniques for building competitive scale models.



Bob discussed techniques for simulating rivets and other details. He makes an effort to hide all non-scale linkages and model-related hardware. The door is from a smaller scale Hyperbipe previously used in competition.



This is one of two documentation boards for Bob's Russian Stormovik, which he has used in world-class competition for a number of years.

houses. These, or the manufactured restraining forks, are a safety must! George can be contacted at: 636-922-4060.

MODELING ACTIVITIES: Bob Underwood brought three examples of his scratch-building expertise and discussed "How to get into scale modeling". See the photos for examples of his workmanship and subject matter. His presentation was limited to one hour, but could have taken days and not covered everything he might have discussed. His expertise reflects many years of experience and experimentation. Thank you Bob!

Meeting was adjourned at 8:55 P.M.

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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
Reservations and entry form must be received no later than April 1, 2005

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

Entry Form: Please Print

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

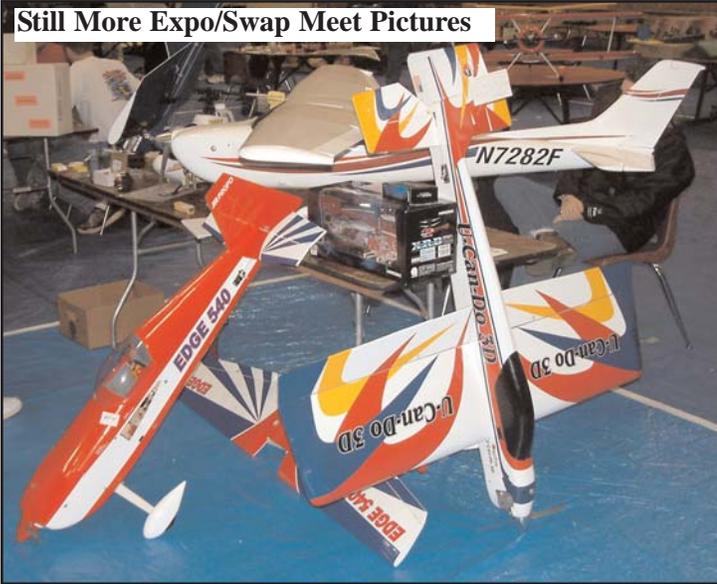
FLIGHT LINES

More Expo/Swap Meet pictures



FLIGHT LINES

Still More Expo/Swap Meet Pictures



2005 Expo and Swap Meet, By Walt Wilson

A lot of planes and hardware changed hands at the Swap Meet. Attendance didn't appear to be up to last year's numbers, but there were still a lot of people enjoying the shopping and comradarie. A few Spirits and Boeing people pitched in and had the place cleaned up in less than two

hours. School employees also helped. Thanks to Greg Pugh, his family, and all the Spirits and Phantom Flyers who spent their day working the event. It took a lot of work and planning to make this annual event happen. If you're interested in final numbers, plan to attend the next meeting on April 13.

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Boeing “Bat” Unmanned Air Vehicle

By Michael Abraham, Photos and Captions by Walt Wilson



Boeing technicians prepare one of their “Bat” Unmanned Air Vehicles (UAV) for flight. This one is powered by an O.S. .61 FX. It has an on-board video camera in the nose and can be flown from a laptop PC in a command trailer, from a full scale chase-plane in the vicinity, or in the usual manner, with a hand-held transmitter. It also has a parachute for emergency landings where there is no flying field. This example has folding wings.



The Bat is launched by catapult and can be controlled up to several miles away. Manufactured by the MLB Company in Mountain View, CA, (<http://www.spyplanes.com>) a basic Bat system starts at \$42,000.00! Additional aircraft in various configurations are available starting at \$20,000.00 each.



With assistance from other technicians, Paul Geders starts the pusher engine for a test flight. The Bat is launched from a catapult atop a specially modified trailer. All participants are in constant communication with the command center and each other. Checklists are used and launching of a Bat is carefully orchestrated. Flight time can be up to six hours.



Paul Geders (left) and Jeff Brundt, of the Boeing Phantom Flyers, are two of the pilots. Many of the technicians and pilots are members of the Boeing Phantom Flyers R/C Club. These photos were taken at the Boeing Phantom Flyers’ field in St. Charles County.

The BAT is part of the Unmanned Air Vehicle (UAV) Flying Testbed operated by Phantom Works in St. Louis. The UAV

Testbed is used for prototyping, risk reduction and demonstration of technologies for controlling multiple UAVs. This includes ground-based systems like a multi-vehicle ground control station or vehicle autorouting software. The testbed also has the ability to host mission software for the air vehicle to allow multiple vehicles to complete complex missions with minimal operator input. The goal is to mature technologies to the point where it will be useful to one of Boeing's many unmanned vehicle products like the J-UCAS X-45 or ScanEagle.

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At the Field....



Steve Adams proudly shows his Hanger 9 clipped wing Taylorcraft ARF, powered by a Zenoah G-38.



Greg Bohrer holds his "Yak" which is actually an old Rambler 45. It's powered by a Fox .50 with an O.S. carburetor

For Sale:

Hangar 9 Ultra stick .60 for sale with a Supre Tiger .72 engine. Never been flown. Needs a radio. \$200.00. Call Scott Cange at 314-922-8539

The Last Word

By Walt Wilson

We don't have much room this month, lots of other stuff to report in Flight Lines! The Swap Meet was a success and the next Spirits' event is the "Show and Tell". We have a large number of people and planes signed up and I'm looking forward to it. It's still possible to make a reservation

BILL LINDEWIRTH PHOTO (LEFT) GEORGE COOPER PHOTO



Charlie Hedges rescued this 1/3 Scale Laser 200 from Bob Underwood's "scratch 'n dent" bench after a not so soft landing. Charlie made some repairs and installed a Zenoah G-62. Ralph Amelung bought and completed the Laser. He reports that it flies very well.

WALT WILSON PHOTOS



Jeff Muhs displays his new Giant Scale P-51 Mustang ARF. It's powered by a 95 cc Brison engine and has retracts and flaps. This is a really big airplane! His first one like this crashed and was destroyed the first time out. He's being very careful with this one!

and enter a plane. The drop-dead cutoff is April 1! The first cut off date of March 9 was to get advance reservations to determine whether there was enough interest to put the event on and meet the caterer's minimum.. We exceeded that number and have more planes entered than there are at most of our flying contests. "Show and Tell" is a definite "GO". I know of several Spirits who have entered some very nice airplanes. Even if you don't have an entry, it'll be worthwhile to attend. You can see what others have been doing this winter!

Gotta go build!

FLIGHT LINES**Area 2005 Activities Schedule**

Date	Contest or Event	Contest or Event Director	Notes
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	
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.

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*Jeff Muhs' Cermark Pitts Special ARF about to touch down. It's powered by a YS 1.20 four-stroke.
Walt Wilson photo*



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Walt Wilson
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www.spiritsofstl.com

**Meeting is on
Wednesday,
April 13
at 7:00 P.M.**