

Four-Star-40/WARBIRDS
Races on April 27th

**Send Your Articles &
Build Logs to the Editor**

**Spring is Here
Show Your Projects**



Flight Lines

March Indoor Electric Fly-In



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



NEXT MEETING
APRIL 10TH, 2013
BRIDGETON TRAILS LIBRARY, 7 PM

Photo by Gary Pyles



Stuff

by: Gary Pyles

This month my column doesn't focus on the core aspects of our hobby but rather some of the supporting, behind-the-scenes elements that have become crucial to us in the pursuit of our hobby. Of these tools, toys, and tech the most used and now almost irreplaceable one is the computer.

Think about it. Without your PC, tablet, smart-phone, etc. you are disconnected from the information that we are all so accustomed to. In addition to information, there are flight simulators, 3G programming, ESC and BEC programming, and even the downloading of entire aircraft setup files, and oh yes email. All gone without a PC. Additionally, with club administration comes some other tasks that rely on the PC.

The reason the newsletter was delayed for April is that I had a complete PC disaster. My PC workstation was the victim a vicious attack by an orange soda inadvertently wielded by my 9 year old grandson. The short of it (ha-ha) was the soda fried the CMOS chip on the motherboard and when Windows thought it could repair it, it only made it worse.

No data was lost but it has taken time to install a new motherboard, extract the data, load the programs on my laptop, and access the workstation hard drives from a toaster. I am sure that some of you are thinking, "You should have backed up your system..." I create a backup image once a week of my C: drive and all critical data is stored on drives other than the C: drive. System restore did not work, image restore did not work, and I had to access my inner DOS skills to extract info from the C: drive. By the way this is not your common PC, I custom built this CAD station, Intel I7 processor, 32 GB RAM, 4.75 TB in hard drives, a SS 250GB C: drive, and a 3 GB Quadro FX graphics card.

Now I have a backup system setup (my laptop) and I should not be delayed in the production of any future newsletters. Please accept my apologies for the tardiness of the month's issue.

Lesson Learned: Guard your tech, beware of orange soda, don't get mad at your grandchildren, be prepared for failure, try not to get to depressed when all of your preparations for PC failures fail you.

See you at the field.

Gary

Club Business

3 Meeting Minutes

8 Event Flyers

Features

2 Stuff

4 Letter to the Editor

4 Member Spotlight

5 Name the Plane

5 Safety Corner

6 Technical Presentations

7 In Door Fly-In
Gary Pyles

8 Thank You, Bob Lake

9 Links

10 Bob Lake

11 Spirits Advertising

12 Scale Details
Jim Newman

14 Airplane Rescue
more on Paul's presentation

Pages 9 through 14 are available in the Online version only.

IN THIS ISSUE



MEETING MINUTES

Meeting Minutes: March 13, 2013

By Dale Buchanan, Secretary

Meeting was called to order at 7:00 PM by President, Gary Pyles.

Attendance:

23 members were present.

Announcements:

Former member, Bob Lake has donated to the club, a Dx7 radio, Hobbico Superstar electric, Hobbico AT6 foamy, CG machine and a charger along with some batteries. Gary Pyles and the club would like to thank Bob for the generous donation.

The Four Star-40, 54 inch should be available in July.

New Members in Attendance:

Gary Swinney AMA 111573

The membership accepted and welcomed the new member.

Secretary's Report:

Dale Buchanan, Secretary

I have AMA Gold Club Leader Pins for members who do not have one. Any new member from the time these were last given out to the February 2013 meeting should get a pin. They will be given out at the club meetings, events or I can meet you at the field.

A motion was made to accept the Minutes as published in last month's newsletter.

Treasurer's Report:

Bill Lindewirth, Treasurer

A motion was made to accept the Treasury report as presented and the members accepted.

Field Report:

Gary Graul, Field Chairman

Gary was not present. No new issues were brought up about the field. The cracks in the runway will be addressed as soon as the weather permits.

Safety Report:

Russ Watts, Safety Chairman

Russ was not present.

Membership Report:

Ralph Doyle, Membership Chairman

Ralph reports out of 168 members last year, 116 members have renewed plus another 20 new members. When renewing or joining send a copy of your 2013 AMA card. NOT a copy of the temporary card.

Events Report:

Vic Bunze, Event Chairman

Vic was not present. The club will have its swap meet on May 4th and the rain date on May 11th. Gene Jones will be the gate keeper. Bill Lindewirth will run the concession stand. Steve Ramonczuk will cook.

There are still events that need contest/event directors. Please contact Vic Bunze if you are interested in running an event.

Flight Training:

The AMA has suspended the five dollar fee for intro pilots. If you are an intro pilot, as long as you rejoin the club by the end of the year, you will be on the AMA's roster and intro pilot renewal will be done automatically. If you are not on the AMA's roster for the new year, you will be dropped as an intro pilot.

New Business:

April is aviation month for the Cub Scouts. President Gary Pyles suggested making April 20th, Cub Scout day. The field will be open for all flying and there will be no concessions. The Cub Scouts will be able to fly from 10AM to noon. A motion was made to accept this event and the members accepted.

Bill Lindewirth is starting a new contest called Name That Plane. Each week a plane will be on the website. Name the plane for each week and send in your four answers via email at the end of the month. Each person with the four correct answers for the month will be put in a monthly drawing. The winner of the monthly drawing will win a \$25.00 gift certificate.

continued on next page

Meeting Minutes *continued*

Even though you may not be a monthly winner, the website staff will keep track of all correctly identified aircraft that each participant has submitted. The participant(s), who has identified the most aircraft, will have a chance to win the Grand Prize, which is a one (1) year family membership which will be awarded at this

years "Open House".

If you are not a monthly winner but have named all the aircraft correctly, you and the monthly winners will be put in a drawing for a grand prize of 1 year free membership. The contest will start in April and run through August. This is open to everyone, not just club members. For more details on the contest please visit our website

at <http://spiritsofstl.com/contest.html>. A motion was made to accept the new contest and the members accepted.

Meeting was adjourned at 8:34.

The next meeting will be Wednesday, April 10, 2013 at the Bridgeton Trails Library at 7:00 PM, meeting room 1.

Letter to Editor

Gary,

Just a quick note to say I love your new interactive news letter! Very well done.

You said you were looking for interesting photos. In your recent issue, Paul Geders' article, "Why one design racing plane" outlined the progression of some of the pylon racing planes used over the years.

Paul mentioned the Top Dawg racers. Attached is a picture of me with my Top Dawg running a Super Tiger .15. I believe the year was 1971, I was 18 years old.

I'm searching collections of old photos for a particular group picture of all the participants during a race day. It was a big group!



Again, awesome news letter, keep up the good work. And thanks again for your help last summer getting me back into the hobby.

Best Regards,

Bruce Omans

Member Spotlight

Leo Steck is has been around model aviation for a long time and like some of our members he represents companies that manufacture a variety of products for our hobby. Leo is currently a dealer for NovaRossi Engines, Klass Kote Paint, Balsa USA, Morgan Fuel, and B&D Retracts.

His web page is located at: www.klasskotemo.com Check out his website and take a look at the gallery. There are some impressive aircraft displayed that use the products he represents. Leo can be reached by email at leosteck@AOL.com or by phone at (636) 828-4343. As many of you know that have dealt with Leo in the past, he will take care of club members.



If you are a member and represent manufacturers of products related to our hobby. Send your info to the editor and we'll get you in the Spotlight!

Name the Plane Contest

by *Bill Lindewirth*

The Spirits of St. Louis R/C Flying Club, Inc. welcomes all aircraft enthusiasts to join in the fun and try to NAME THAT PLANE! ; Each week, a new aircraft will be featured on the clubs website. Given a photo and a few clues, readers are encouraged to guess which aircraft is being described.

At the end of each month and after all weekly aircraft have been featured, readers are to send in their answers to the website staff.

Entries are due by midnight of the 5th of the following month. Example: April Contest, due no later than midnight May 5th, etc. The person with the most correctly named aircraft will be the winner. In the case of a tie(s) the winner will be determined by a random drawing from those entrants with the correct answers.

Winners will be announced the following month on the website as well as in our club's newsletter. Only one entry per person per month is allowed.

Prizes will be announced at the beginning of each month and will be award at the next monthly meeting following the contest. The contest will be open to everyone.

Grand Prize!!

But wait there's more! Even though you may not be a monthly winner, the website staff will keep track of all of the correctly identified aircraft throughout the year and give away a one year family membership for 2014 for the person identifying the most aircraft. The winner will be announced at the September 2013 meeting at the field.

Once again in the case of a tie(s) the winner will be determined by a random drawing from those entrants with the correct answers. Winner need not be present to win.

For complete details, visit the club website at <http://spiritsofstl.com>, and click on the Name the Plane Contest link.

Winners need not be present to win.

Have fun, and good luck!



SAFETY CORNER

Even small electric aircraft can cause a hazard if they are not properly controlled.

Small electric planes have propellers that turn very fast and the tips of their propellers can be very sharp. Always be aware of where your plane and spectators are at all times.

Courtesy = Safety

Have fun and be safe!

TECHNICAL PRESENTATIONS

Steve Ramonczuk displayed and flew his Syma Quadcopter. Steve bought the quad from NitroPlanes for \$39.95 with the transmitter. This is a truly impressive quad and perfect for anyone that wants to try a multi-rotor aircraft. The quad is exceptionally stable and comes ready to fly.

Stan Goldfader displayed his FMS EPO T-28. This ARF has electric retracts, navigation lights, wing flaps and cowl flaps. It has a 580KV motor with 4400Mah battery. The plane cost \$250.00. Stan worked on this plane all winter until he got it where he wanted. A great looking plane!

Dave Brown brought in his S Bach 342 made by Tech One. It has a Park 480 motor and a 1300Mah 3S battery. He purchased the plane from Hobby King for \$43.00 plus shipping. This plane exudes fun! I can't wait to see it at the field and some crazy 3D flying!

Ralph Doyle showed videos of custom made multi cylinder engines and hit and miss engines. The craftsmanship of these small but technically intriguing engines was amazing. The machining involved is incredible and it was a joy to watch.

Paul Geders presented a series of videos on R/C technology demonstrators that he worked on during his last 6 years at Boeing. Paul's background with early UAVs is impressive. He hopes to maiden his scratch built Diamond this spring. More on Paul's presentation in the Online newsletter.

The \$20.00 in gift cards from Mark Twain Hobby Center was won by Stan Goldfader.

Nice job Stan!

Great presentations this month by all.

Will you be next month's winner?



Steve's QuadCopter



Inside the T-28



Stan's T-28



Steve's Quad



Stan's T-28



Dave Brown

March 30th Indoor Fly-In

This event conceived and ran by Jeff Becker was a great success. Giving us a chance to fly when the weather typically does not allow us to fly outside. The flying space allowed “Vapor” pylon races and the opportunity for an array of micro aircraft to take to the protected skies of the gymnasium. Many Quad-Copters made appearances, as well as micro-helis, and small planes by the dozens.

The most popular plane that day had to be the Vapor. They were everywhere! This was a perfect environment for fun with our small aircraft. Financially, the event financially broke even and had good attendance in both pilots and spectators. I think this event is worth repeating especially in the colder months. Thanks again to Jeff for coming up with this idea and running the event.

Gary P.



photo by Gary Pyles



photo by Walt Wilson



photo by Gary Pyles



photo by Walt Wilson



photo by Gary Pyles



photo by Walt Wilson



photo by Walt Wilson



photo by Gary Pyles



photo by Gary Pyles



photo by Gary Pyles



photo by Gary Pyles



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

Four-Star 40* and WARBIRDS*

Pylon Races

Saturday, April 27, 2013



Spirits Field on Amrein Road, 1/2 mile south of Greens Bottom Road, St. Charles County

ENTRY FEE: NONE. Novice & Expert Classes for both Four-Star 40 and WARBIRDS Race for "Bragging Rights", and 1st, 2nd & 3rd Place Certificates

Registration starts at 9:00 a.m.

Racing starts at ~ 10:00 a.m.

*Class rules are available on our website:

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



For more information call: Paul Geders at 314-838-1350
or e-mail him at: pgeders@charter.net



Tailgate-Swap Meet

Saturday May 4, 2013

Rain Date: May 11, 2013

9:00 AM 2:00 PM

Location: At our Field

The Spirits flying field is located at 25 Amrein Road, St. Charles, MO 63303 Lat. 38.702006, Long. -90.577898

\$5.00 per Car

While there take advantage of our beautiful 12 acre flying site. 600 ft. paved runway with electric in the pits

Current AMA Required to Fly

Concession Stand open all day

Burgers, Brats, Hot Dogs, Soda & Chips Available

For more information contact Gene Jones @ 314-291-5823
Or visit us on the web at:

<http://spiritsofstl.com/events>

Thanks

Former member Bob Lake decided to retire from the hobby this winter and contacted me and several members looking for a home for his R/C modeling gear. During Bob's search he could not locate any of his friends that were still active in the hobby. He then contacted me again and told me that he wished to donate his R/C collection to the club for us to do as we see fit.

It was truly a pleasure to meet Bob and spend some time with him at his home. The collection of R/C stuff that Bob donated is in pristine condition and will be used in a variety of applications for the club.

For more on this story see the Online newsletter.

Bob, on behalf of the Spirits, Thank You!

Gary P.



Links

to stuff in this issue & other things

About the Spirits

[Click here](#) to see all of the elected officers, Board of Director positions, and the chairmen that administer the club's affairs.

Events

[Click Here](#) to go to the Spirits Events Page and see the list of events that are scheduled.

[Click Here](#) to visit the Local Events Page where we list events in the surrounding area. If you know of an event, send it and a flyer to the [Webmaster](#).

Membership

[Click Here](#) to view or download a Spirits, Membership Application for 2013.

Reminder: If you are reading this and have not renewed your Spirits or AMA membership you are no longer legal to fly at the field. There is **NO grace period**. If you renew your Spirits membership before the end of the March meeting there is no "In Arrears" penalty. *You must be a current member or guest to fly at Spirits.*

Support your local hobby shop!

If you don't, one day they won't be there when you need that critical part to go fly!



Safety matters

Safety always matters in our hobby. Please be careful this winter while building and refitting your aircraft. If you are new to electric aircraft, consult a member

experienced with electric models to get some tips on preventing injuries from unwanted tor starts.

Safety is everyone's responsibility.

The following links discuss AMA and Spirits Safety:

- [AMA Safety Code](#)
- [Spirits Field Layout](#)
- [Spirits Bylaws](#)
- [Spirits Safety Rules](#)

[Click Here](#)

to go to the "Useful Links" page of our website. You will find dozens of links to manufacturers, Distributors, Hobby Shops, RC organizations, Local RC Clubs, Information for Newcomers, and info on Spirits' safety Program. Enjoy!



Lost & Found

Transmitter found at the Field. If it is yours contact Gary, gp@gtp ltd.com

BOB LAKE

Here are some photos of the donation Bob made to the club. We could use the SuperStar EP in the Flight Training Program. It is setup with the Spektrum DX-7 radio, has some spare batteries and a charger. I was thinking the T-28 would be a nice raffle prize for this year's Open House. The other items we could add to the raffle or sell at the swap meet.

If you have some ideas as to what we should do with these donated items let me know.

Thanks,

Gary P.



Spirits

Advertising Section



If you have something you wish to advertise for sale please in the next Online newsletter please send it to the [editor](#) with photos, and your contact information. These services are free for club members.

Offered by:

Gene Jones, 314-291-5823, gjones4829@att.net

Item #1:

Horizon Hobby Christen Eagle
has 7 Hitec 652mg servos, Turnigy 52 overbore engine, Sullivan smoke system, spectrum 7ch RX engine & smoke & RX included but not installed
\$375.00

Item #2:

SIG Rascal 110" Saito FG21 (26 cc) spectrum RX
All batteries, ready to fly NO TRANSMITTER
\$600.00

Item #3:

HORIZON DECATHLON
Zenoa 26cc engine, spectrum RX, all batteries
Ready to fly NO TRANSMITTER
\$350.00

Item #4:

HURRICANE aerobatic shoulder wing
Turnigy 52 overbore engine
Sullivan smoke system installed
Spectrum RX installed, all batteries
NO TRANSMITTER
\$350.00



Offered by:

Bill Lindewirth, 314-839-0282,
mrbillstl@charter.net

- AnyLink works with virtually any transmitter, regardless of brand, band or modulation.
- AnyLink enables your transmitter to send out a true, 2.4GHz signal — and operate with all of the interference-free dependability of a frequency-hopping, spread-spectrum system.
- AnyLink offers all of the convenience, versatility and benefits listed above for far less than the cost of a new 2.4GHz radio system.

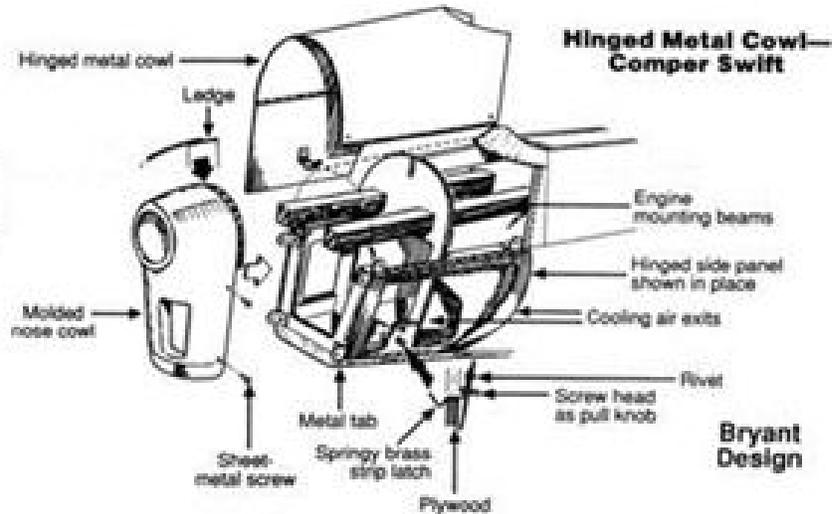
“ANY-LINK” 2.4 GHz radio adapter
\$15.00
See [“For Sale”](#) section on our website.



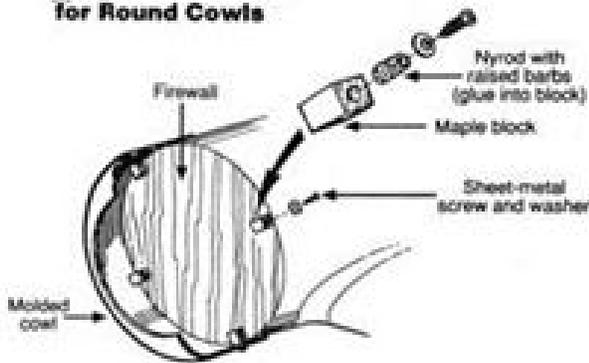
The following article is courtesy of Jim Newman, the AMA Insider, and Model Aviation magazine.

Contact the Editor:
newsletter@spiritsofstl.com

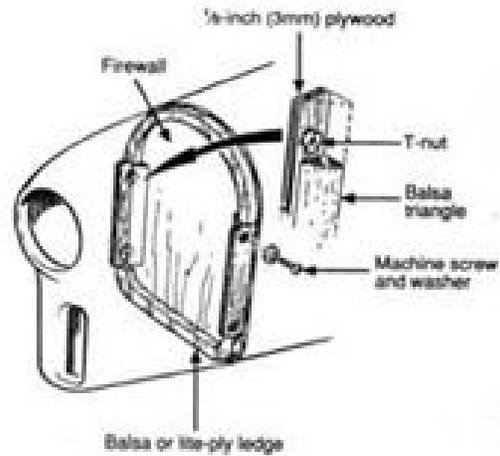
Engine Cows



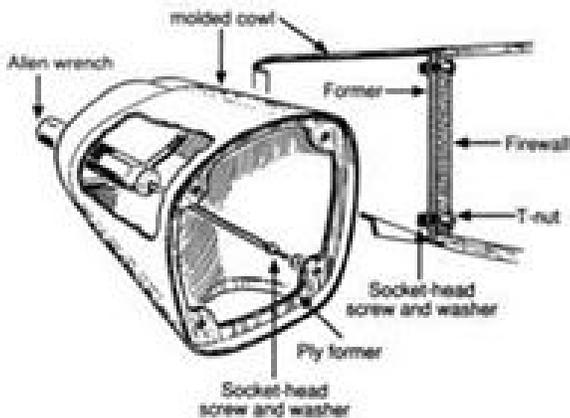
Typical Attachment for Round Cows



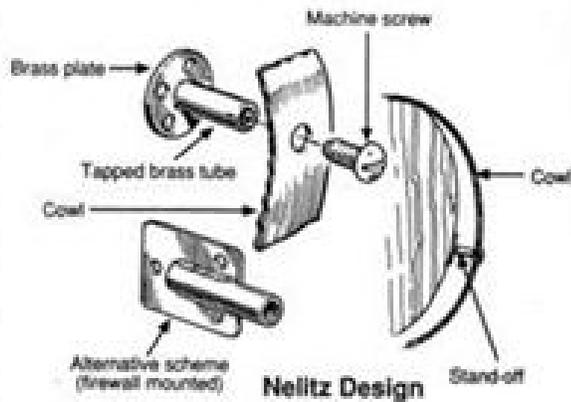
Typical Inverted Engine Cow Attachment



Typical Cow Attachment



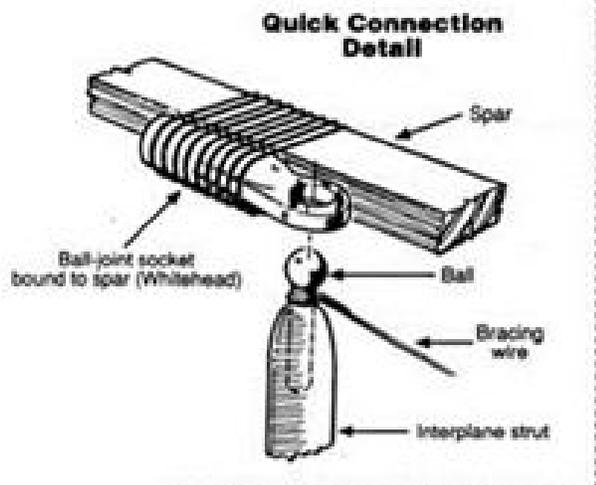
Cowl Stand-Off



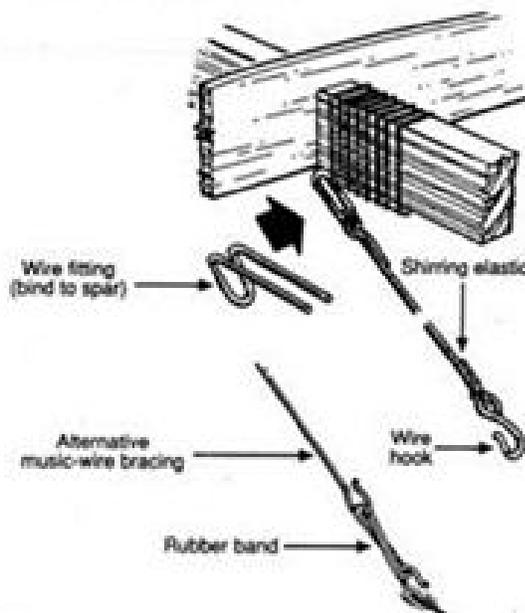
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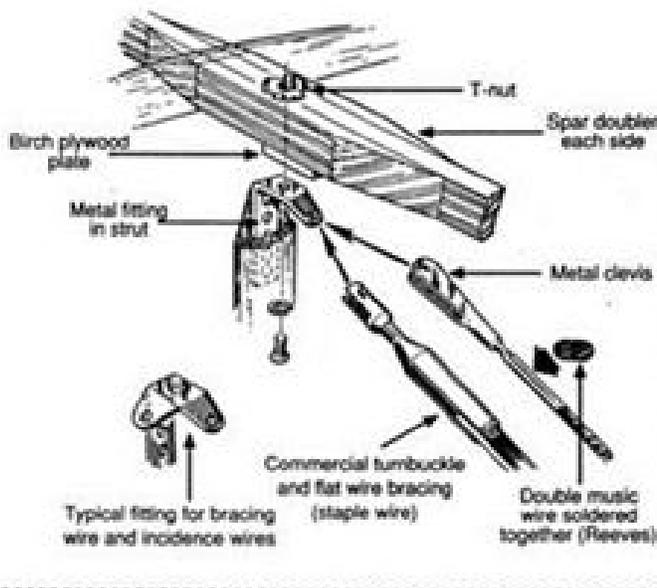
newsletter@spiritsofstl.com



Wire Attachment

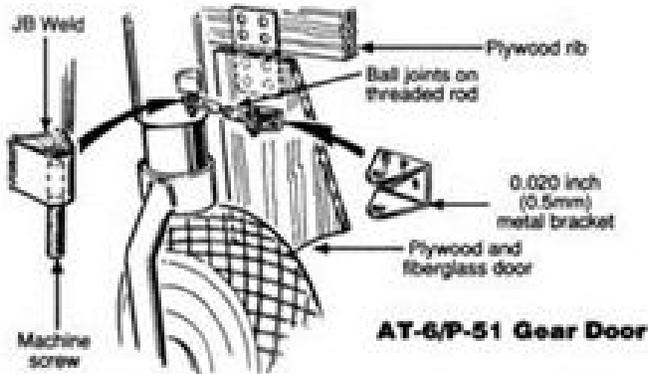
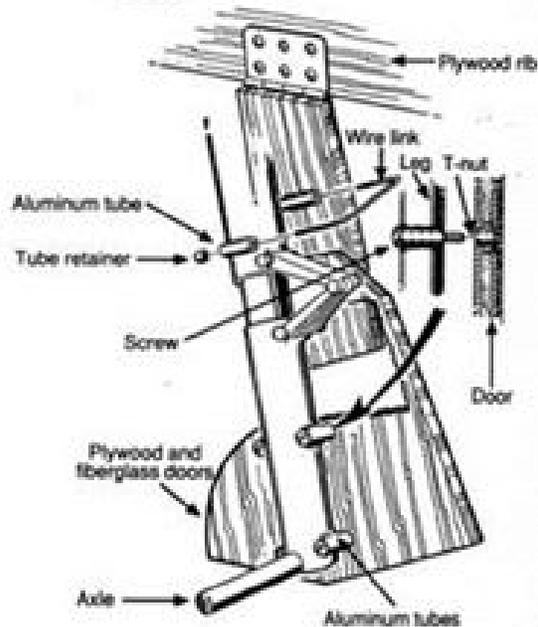


Scale Attachment



Landing-Gear Doors

P-47 Two-Piece Door



placeholder for Video

more about Paul's video presentation

Paul first showed Bill Butters, former charter club member, describing the evolution of Diamond. Then, the first flight of Diamond with the turbine powered version Paul was brought on-board for. Paul had to beef it up from a O.S. .91 Byron Ducted Fan unit to a 16 lb. thrust Turbomin turbine with retractable gear/brakes and camera pod and data systems. It went from 39 lbs. to 53 lbs.

The other vehicle was referred to by several names, depending on who was wanting on and provided funding. Eventually, the name SAW (Scaled Aircraft Wing) stuck. It was built from the ground up out of .2" thick blue foam with 2 layers of ½ oz. cloth in the outside and 3 layers on the inside. Powered by a 36 lb. thrust AMT Olympus turbine, with full up air data system, retracts, brakes and special controls that Paul designed and built. He then showed the first flight on November 17, 1999. This vehicle became the now in flight test full-size Boeing Phantom Ray. He will have others that he worked on to show at a future meeting including the ScanEagle, S-100 Camcopter, A-160 Hummingbird, PMTD, and the Vulture program Solar Eagle.



Paul Geders with his scratch-built Diamond
photo by Walt Wilson

Flight Lines is a monthly periodical produced by the Spirits of St. Louis R/C Flying Club, Inc. to provide club information and entertainment to our membership. The Online version is free of charge and anyone interested may view current and back issues by visiting our website, www.spiritsofstl.com

Editor, Gary N. Pyles