

Pine Barren Modelers R/C Club



Club Officers
President—Rich Bombardier
Vice Pres.—Dennis Spatcher
Treasurer—Ralph Ferrara
Secretary—Micki Bowne
Safety Officer—Pat Lovenstein

Contact Us:

For website, classified ads, or any other club information, visit our web site at:

<https://pbm1727.org/>

or our Facebook group:

[PBM on Facebook](#)

Links to club officer and other e-mails are via the website. You can also mail us at:

Pine Barren Modelers RC Club
P.O. Box 38
Bayville, NJ 08721

To e-mail the Newsletter Editor, use the web site link or:

newsletter@pbm1727.org

Remember, our Open House is this coming Saturday, 11 May!

Come out and help show our community and modelers from other clubs who we are and what we do!



AMA Charter #1727 www.pbm1727.org

OPEN HOUSE

Saturday, May 11th 2024
(Weather dependent)

At our Johnson's Pit Field (aka. Temp field)

Off RT.9 in Berkley Twp. Turn down Gladney Ave then make a right onto Locker ST. Go half way down and turn left into the gate. Follow signs for parking.
DO NOT DRIVE DOWN PAVEMENT OF RUNWAY.

Flying starts at 8:00am to approx. 2:00pm
No landing fee's and free food.



Runway is 700' x 30' Pavement.

Open to anyone who wants to come and fly. Buddy box available for training. AMA needed for solo flight.

Email us for more info.
info@pbm1727.org

See our Facebook page at.
<http://www.facebook.com/pinebarren.rcclub>

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Club Meeting Highlights

1 May 2024

All the officers, 17 regular members, and 2 guests were present

Field Condition Reports:

Temporary Field (Johnson's Pit): Beautiful (as it should be, after last Saturday's GI party!). Reportedly, dirt bikers ran down the runway whilst someone was flying. Rich asked we call the Berkeley Police NON-EMERGENCY number if we see dirt bikers on the runway and ASK if the police will check it out. Meanwhile, be careful when exiting the small trailer, as there's a gap between it and the concrete pad that'll trip the unwary.

Coyle: Vice President Dennis updated the camera. Be aware of National Guard training; they don't always tell the Forestry Service (the property owners) they'll be using the runway.

Safety:

- Safety Officer Pat reports:
 - Painting on the Pit field has been updated and changed.
 - We've had a few close calls, with pilots nearly hitting other folks. Use the runway, don't land towards the gates.
 - It's hard to give up, but, if you're headed towards the pits, DUMP THE MODEL before you reach the pits. Models are replaceable: friends aren't!
 - Use the marked entry and exit areas. Don't try to taxi towards your car.
- Editor Bill – It's allergy season! Allergy meds can hit you like strong drink, so don't fly (or drive) if you're under the influence.
- President Rich – Check your control surface throw direction before each flight. (*I stand behind the model and bend & twist to match how the surfaces SHOULD be moving. Yes, I may look like I'm dancing, but it's better than the Walk Of Shame. Editor Bill*).

Finally, DO NOT FLY IF THE FIELD IS CLOSED! We had someone do that during a guest group activity, but it also goes for if the field is closed because of a crash, folks working on the runway or under the flight area, and so on. If the field is closed, STAY DOWN.

There should NEVER be people on or crossing the runway when someone is flying. Don't fly if someone is 'out there'. Likewise, if you need to get out to a model, TELL anyone flying and give them a chance to land, or, if you know you'll be right back, orbit until you're clear. The only time I could envision a reason to not wait for a flier to land is if the crashed model is burning.

Treasurer: Report read and approved. Ralph has plenty of shirts, tumblers, decals – just let him know.

Social Media: VP Dennis reported our website had 2,384 views in April (up from March's 2,020 hits and we now have 465 members in our Facebook group. Dennis reminded us that ONLY club members may sell things on our Facebook page.

Old Business:

- Rich thanked everyone who came out for the big GI party at The Pit last Saturday.
- Now that the field is nice and clean, please, keep it that way. Clean up after yourself.
- We missed the last Scout breakfast, as we (PBM) didn't know about it. Rich will touch base with the new VFW commander.
- Pete wants to paint the runway May 4th.
- The canopy is repaired and in place.
- We need to move Generator sign to the new location.
- The Pylon Race is postponed, due to expected rain. Watch your e-mail for more.
- Paul Meier gave us a briefing on the defibrillator status; net result is he'll set up a package for the club's approval. We hope to get money back from the AMA.
- Rich hasn't been able to meet with the township, but did have a chat with the mayor and says the redevelopment of the Pit's area shouldn't even start for several years. He did say Ocean County plans extending Western Blvd to Rt. 9, but it would be behind us.

New Business:

- ➔ Gary Santaniello is the new Chief Instructor. Dennis will still be an instructor.
- ➔ We should be getting an AMA grant return for 25% of the cost of our seal coating the runway.
- ➔ Rich investigated getting our porta-potty repaired or replaced. After discussion, the club agreed to enter into a contract with the folks now servicing our current, battered outhouse. The company will provide us with a new outhouse and regularly service it. Happily, they'll also be responsible for repairing it if it's vandalized – as our old one recently was. The club also agreed to position the new one so that it's in the camera's field of view.
- ➔ A lively discussion of where to fly rotary-winged models broke out during the Model Of the Month displays. As I understood it, if fixed-wing models are flying, rotary wingers have to fly in front of the flight line, but if ONLY rotary fliers are there, they can fly wherever they wish (until fixed wing modelers show up). This will probably be an open topic at the June meeting (*Ed. Bill*).

Models of the Month:

- ➔ **(Top Left):** Gary Santaniello's 3-D printed Mirage EDF. Length: 1030mm, span 700mm, weight 1233 gm. Power is a 64mm EDF, Freewing 2836-3300 Kv motor, and a 4S 2200 Lipo. It took Gary approx. 180 hours to 3D print the model (to which Gary added landing gear from a Freewing 64mm F9F Panther). Yes, the Yoda doll is also R/C!
- ➔ **(Top Center):** Jeff Levine's Helicopters
- ➔ **(Top Right):** Editor Bill's Beatrix III (*details next month*).
- ➔ **(Bottom Center):** Ray Merry's Boeing B-17 (*Details in this month's Bill's Corner*)



The Boat Doc(k)

Todd Bunn

This episode has us looking at the Proboat UL-19, I bought mine in December of 2023 from a fellow enthusiast. This boat is your classic Hydroplane--- similar to the iconic real life Miss Budweiser Hydroplane. This boat is a true fiberglass hull--- one of the last ones offered by Proboat. It comes from the manufacturer as a RTR so it has a Spektrum “no frills” radio. This 30’ model offers a 2000 Kv motor and a 120a esc to handle up to 6s. It has your normal range, so you should be good

This boat is no slouch on 6s-- probably 50+ mph-- but it is much more drivable on 2 * 4s batteries in series. This is to put the weight of the batteries in each sponson. Not for your Sunday putt-putt out on the water! This is not your normal basher--you have to hit it to get it up on plane otherwise she does a nose dive, also it does not make nice left turns- going right is excellent but that is because of the turn fin on the right side. One complaint is that it doesn't come from the factory with enough cooling. I fabricated a water pickup right behind the prop to get good flow. Remember heat is the worst enemy (next to turtles).

I might run this at the NAMBA races in May. I will let you know how it goes. Overall this boat is awesome to behold. Sleek lines high speed for racing and RTR--- it is a shame Proboat has discontinued—but they are available on the second hand market and there must be some new stock out there waiting to be found. They are highly sought after because they are fast, easily repairable, and upgradable so if you are in the market and see one don't let it slip thru your hands.

The Boat Doc(k)

[Youtube Video](#)



[On Horizon's Web Site](#)

Bill's Corner

I'll admit I'm a sucker for scratch (or nearly scratch) built models, especially scale ones. So, when I saw Ray Merry's B-17, I was hooked!

Ray's been building very nice single-motored, sheet foam models. Now, he's gone on to multi-engined models with this B-17. Ray found rough plans on line, then modified them – a LOT! He had to do a lot of head-scratching, figuring out how to engineer the parts, how to duplicate details, and how to 'massage' proportions to build a model that not only looks good, but FLIES.

The model is built from Dollar Tree and Hobby Lobby Foam Board, Poster board, pink foam, and plywood, all glued together with hot glue and Foam-Tac.

A sign of an experienced modeler is the ability to convert odd bits of things into scale details. That's what Ray did with clear plastic soda bottles that became engine nacelles, a spice jar and deodorant stick seal that became the top gun turret, and the corner of a mouthwash bottle that became a bomber's Plexiglass nose—complete with flat panel for the bombsight!

The one-piece wing, containing motors, ESCs, receiver, retractable main gear (donated by Joe Yuhasz), and most of the wiring, comes off with four bolts. That's 4 brushless motors, four 3-blade props, 4- 40 amp ESCs (and two of the motor/prop combos turn clockwise, whilst the other two turn anti-clockwise – should be no torque problem with this bird!). Lots of wiring to figure out!

Ray says the early stages of the project required considerable re-design work to incorporate the soda bottle nacelle idea. He changed the proportions of the wings (including increasing the wingspan) and added flaps. He built a couple of test wings to work out main spar material and location as well as wiring routing. Those test wings also helped in setting the assembly sequence to mount retract mechanisms, motors and nacelles. Oh, and there was no CG on the plans, so he had to figure that out, too.

Once the model was done (but not finished), Ray coated it with a light coat of fast-drying, oil-based Minwax Polyurethane. That sealed the surface for the paint the model will get, after its maiden flight.

Ray admits this isn't an exact scale model, but one that looks close and should fly well.

Vital stats:

Ready to fly weight, including 1 x 3S 3300 mAh LiPo battery is approximately 6lbs

Wingspan: 67 inches

Length: 42 inches

Motors 4 x A2217 8T 1100 Kv, turning 8" x 6" 3 blade propellers

4 x 40 Amp ESC's

6 x 9 gram servos

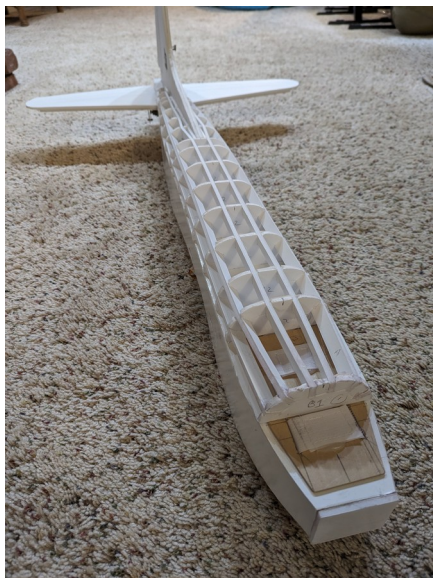
6 channel Spektrum Full Range Sport Receiver controlling Throttles, Ailerons, Elevator, Rudder, Flaps and Retractable Landing Gear.

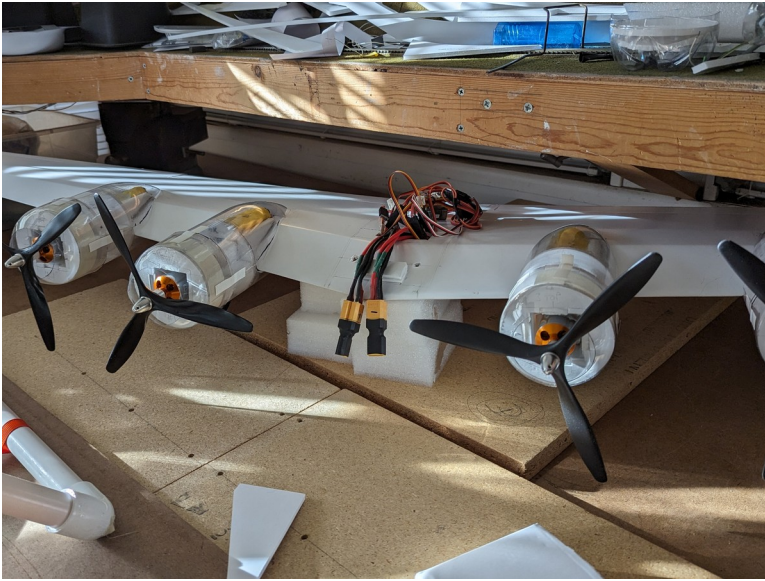
Power - 1 x 3S 3300 mAh Lipo. Ray figures he may increase the battery to 3S 4000 mAh or 2 x 3S 2200 mAh (in parallel).



(Left) Soda bottle nacelles are hard to see, but they're there. Note fuselage crutch, slotted for bulkhead tops.

(Right) bulkhead tops glued on
(Bottom) longerons in place.

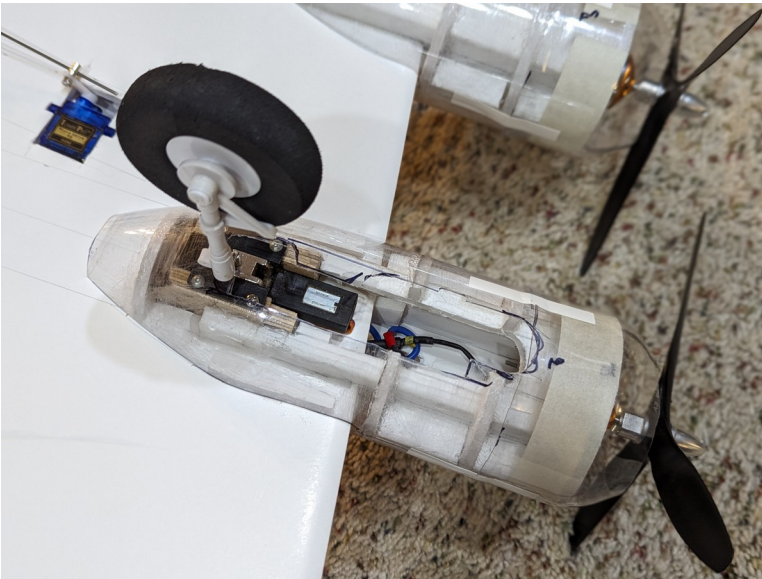




(Left) Lots of wires in that wing!

(Below Left) Clear bottles give good views of nacelle structure

(Below Right) Ray shows us the rudder and tailwheel linkages



(Left) Jean, Ray, and Joe Yuhasz at the 1 May meeting with Ray's project. Jean actively supports and helps Ray with The Hobby. Being married to a flying wife, I know how important that is!