

# Yankee Rotors

Nov 2011

## The Official Newsletter of Yankee Rotors

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#### Editor

John Christopher  
(603)744-6232

**Regular meetings every  
3rd Sunday of each  
month at 1:00 p.m.**



### Next Meeting

Sunday Nov 13<sup>th</sup> at 1:00 PM at John's house. Come early if you wish to talk, show off the parts you made, bring your gyro for a hang test, whatever you would like.

This month we begin making modifications to our trainer. Transitioning to a drop keel design, we will measure the length needed for tandem seating and cut the keel at the appropriate place. Since the completed mast for the previous design is no longer needed, we have extra aluminum that may be used where needed. This proved to be a very long term project and it is my hope that we continue to work towards its completion. Only then will we have the means to begin training members. We have a long way to go but like any project it takes time and winter is the time that we have to get this done.

### John's RAF

A little more than half way through flight testing, John is installing a device that tilts his GPS towards him providing a better view.



Walter Lewis, accomplished builder of an Exec helicopter, anticipated the day when he loses his medical certificate. Gyros are included in Sport Pilot, here he is.

### For Sale

Parsons two-place gyro for sale. Contact Rusty Blake: 207-663-4404. B8-

### Bensen B8-M

This is a dismantled, frame, packed and ready for shipping. It includes the wheels and other items. It is a project, half the price of any pre-made airframe. The price is \$500 plus shipping. Interested parties should contact John Christopher. Phone number is 603-744-6232.

### Barnett JB-4

We have a near complete two seat Barnett for sale. Normally for about 5k, this rolling frame needs an engine, rotors, and some instruments. Then up you go. Price reduced to \$1,000. This is pennies on the dollar for what it would cost.

### Drop Keel Gyro

Dominator style drop keel gyro, Tail w/ HS, 1100 cc Kawasaki Engine, seats two, a great flyer, Many options. A steal at \$12,500 Call Ray Mahue at 207-465-3203 This is a beautiful machine.

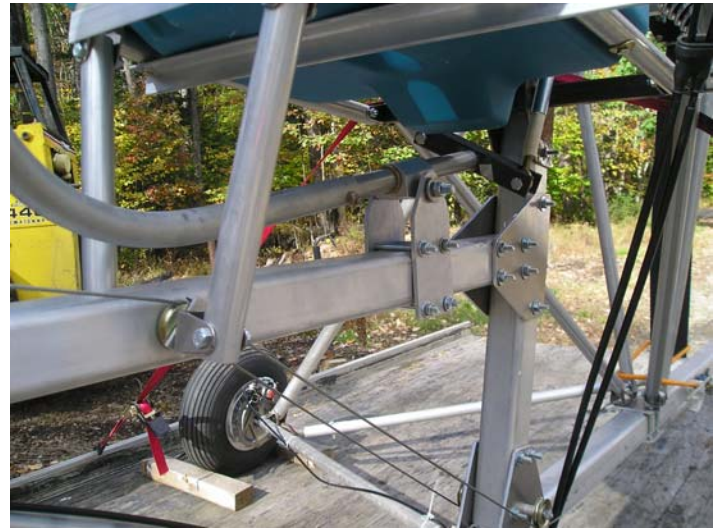
Original Bensen B8-M with 72 hp Mc Colloch engine, 22' Dragon Wings rotors, mufflers, electric pre-rotator. A beautiful example of a flying modified Bensen, very clean. \$2,000.00

## He Came Asking Questions

I want to remind all who read our newsletter what our mission is. We are not a club of people who like to fly gyros. We ARE a 501 ( c ) ( 3 ) non profit organization in the business of supplying information to the public, providing education and guidance to those interested in building and flying homebuilt rotary wing aircraft. We fall into the educational component of IRS tax laws that allows us to be a true non profit. Many individuals come to us seeking guidance regarding this and Mike Paquin pictured in the center is one such person. He was interested and came to us with questions.



Mike decided to not only get involved, he began to design and build his own gyroplane. Similar to the Bensen pump cyclic, Mike designed that system resulting in a cyclic that has only two points where movement and wear can occur. Most systems have at least four points. As a helicopter pilot I was once against the “pump” style, however, after flying gyros for many years I realized that it makes little difference what type you have as there is very little movement in this system to initiate inputs to the rotor system. Mike’s design and workmanship impresses me as he is not a machinist. His machine is temporarily assembled, new square tubing to be added.



Mike built his own rotorhead. He is using some pre-made items like a rotor brake, bendix, rotor tach. Also, employs some unique changes like a new two-stroke pre-rotator engine. Made in Italy, it boasts increased realibility. I’ve never seen anything like it.



A new engine mounted, a 65 hp air cooled make that is not common. This gyro is almost complete. Furthermore, Mike is getting instruction, seeking a rating, doing everything right. It’s members like Mike that make ME feel that I am accomplishing something for Yankee Rotors. He came asking questions and there is no doubt he will become a safe, accomplished gyro pilot, designer, a dreamer and doer. Hats off to Mike Paquin. Great work.

