

Plane Talk

2008



<http://www.qcskyriders.com>

Next Meeting

Wednesday July 9, 2008 @ 7:00 p.m.
at the Flying Field
In case of rain: Deere Wiman Carriage House
817 11th Avenue
Moline, Illinois



2008 Officers

President Rockne Brosman 269-2023
(rbrosman@hotmail.com)
V. President Les Schjelderup 799-5678
Secretary Kelly Bryant 787-5984
Treasurer Mark Chronister 236-3324
P.R. Dennis Witt 797-2893
Newsletter Mike Cobert 788-1132
(mcobert@mchsi.com)

Minutes of the June 11th, 2008 meeting

President Rockne Brosman called the meeting to order at 7:09 PM

1. 15 Members were present.
2. The minutes of the last meeting were read and approved.
3. The Treasurer's report was read and approved.

Announcements and Business:

1. Grass looks good at the field. Mark will email phone numbers of all mowing volunteers to everyone on the volunteer list. If you can't mow during your scheduled week please call one of the people on the list to find a replacement.
2. Buying a weed eater was discussed, voted on, and approved.
3. Field safety was discussed.
4. Planning for a pavilion at the field was discussed.
5. July 3rd flight demo at Camden Park in Milan was discussed. We will meet at Camden Park the weekend before to get a feel for the flying area.
6. Rockne is waiting for a call back from the city in regards to getting power to the enclosure at the field.
7. Norm Teter has donated a JR buddy box to the club.

Show and Tell

Mark Chronister showed a small electric plane he purchased from Hobby Lobby. It is called a Reflex. He hasn't had a chance to fly it yet.

Rockne Brosman brought a Stryker he outfitted with a 400 Watt motor and a 4 cell 2100 Mah

battery. He also brought a couple of small electric foam airplanes he purchased from Airfoilz.

One is an Extra and the other is a profile plane called a Mobius. He says they fly great.

Meeting adjourned at 7:54 PM

Respectfully Submitted by Kelly Bryant - Secretary

Calendar of Events

July 9	QCSR meeting 7:00pm at the Flying Field
July 11-12	QC Whirlybirds Heli fly Seven Cities Sod 9a.m.
July 20	Morrison Fun – Fly Rockwood State Park 10a.m.
Aug 10	QCSR Fly-In 10am to 4pm at the Flying Field
Aug 17	Erie Contest Flyin Hillsdale, IL 9a.m
Aug 24	QCSR Float Fly 10am to 4pm at Cambells Island
Sept 6-7	E-Fly Iowa Davenport, IA 9a.m.
Sept 13	Bud Miller Fly In Davenport, IA 10 a.m.
Oct 11	DRCS Night Fly Davenport, IA 6 p.m.



Hanger Talk – *From the Prez*

Hope everyone has all of their planes flight ready. The weather and water level has kept many from flying.

The field has been underwater nearly all month. The water level should be receded from the field by the time you receive this. We think the grass will recover quickly this time, as it is supposed to be tolerant of standing water. Lets hope

This month's meeting will probably be held at the Carriage House, check you email or call.

Rockne

New Flyer Training Nights

This summer, (if the weather will ever co-operate) we are re-instituting our training nights every Tuesday evening. The club will be having 'seasoned' members available starting around 6 p.m., to help new flyers or anyone who needs some help. Anyone who can help out and lend a hand please give Mark Chronister a call. Also if you cannot make it on Tuesday evenings, and would like some help, please don't hesitate to call Rockne Brosman, Mark Chronister or Rick Haney a call.

DeCap's Corner



Tips and Tricks

ON THE SAFE SIDE

From the Temple Aero Modeler's Newsletter, Temple, Texas

Propeller Sense

Never use or try to repair a damaged propeller. You may get by with it a time or two, but is the cost of a propeller worth risking injury to yourself or a friend?

If the propeller is visibly damaged, then whatever force did that could also have caused other damage that remains invisible to the naked eye. So, please when you have a damaged propeller, either use it strictly for static display purposes only, or better yet, break it clean in half before discarding to keep anyone else from using it. Don't even think about using it as a back-up spare.

There are some solid black propellers on the market, which become invisible to the naked eye once they're spinning. This is a

dangerous hazard which can be remedied by simply painting the propeller tips with a bright color. You can even use the paint to help balance the propeller. You do balance your propellers don't you?

Why bother balancing a propeller? It won't hurt the engine any.

This may be true, but the vibration and shaking caused by an out-of-balance propeller tends to loosen nuts, bolts, and screws, both on your engine and throughout the model. Here again, it's a simple matter of spending five to ten minutes to balance a propeller, or risk spending ten hours or more repairing or rebuilding your model. Just consider the few minutes that it takes as a sort of insurance.

When installing a propeller, always use a hard metal washer that's flat on the surface facing the propeller, in between the propeller and the propeller nut. This washer should be larger than the propeller nut too. The washer is there to give additional surface area to be tightened against. The smaller the washer area, the greater the chance of the propeller being crushed under the pressure of the tightened propeller nut.

When the propeller is crushed at the hub, it can be damaged to the point of being dangerous to use or it can become loose to such an extent that it becomes dangerous. This "crushing" action is also why it is important to recheck the tightness of the propeller nut every so often, especially with new wood propellers. In most cases, the propeller washer supplied with the engine is adequate, so don't use anything smaller. But again, never tighten the propeller nut directly against the propeller itself. You need more surface area to secure the propeller safely, plus there's a good chance that the action of twisting the nut tightly into place will tear into the propeller hub.

Propeller Markings

Nearly all propellers have some sort of identification marked on them, be it brand name, propeller size, something else, or all of the above. In addition to noting the size of the propeller, the marking also denotes the front of the propeller, and the front of the propeller always faces toward the front of the airplane. Don't make the mistake of installing a propeller backwards. You'll probably get lots of RPM from the engine, but very little thrust from the propeller.

Propeller sizes are almost always marked with at least two numbers such as 10x6. Sometimes there will be three numbers, such as 10x6-12. The first number represents the length of the propeller, or the diameter of the "disk" formed by the spinning propeller. Propellers are usually pretty accurately marked when it comes to their length/diameter.

The second number represents the pitch of the propeller, which is theoretically the distance the propeller moves forward in one complete

revolution, disregarding slippage. One might think at first that the angle of the blade would be constant from hub to tip for a constant pitch propeller (one having the same pitch all along its length), but it isn't so. Remember, the farther out from the hub a given point on the propeller is, the farther it travels to complete one revolution. So, the farther out from the hub a given point is on a constant pitch propeller, the smaller its angle will be.

When a propeller has a third number, such as the example of 14x6-12, it means that the pitch progresses from 6 inches near the hub, to 12 inches near the tip. This is called a progressive pitch propeller, and in this case, the angle of the blade might actually be constant from hub to tip, since the progressive pitch has more pitch near the tip than at the hub. Progressive pitch propellers, however, are commonly seen only in sizes appropriated for 1.20 size engines and larger. And, as far as I know, the verdict isn't in yet on whether they have any advantages over constant pitch propellers.

Some manufacturers of propellers are very precise. There are propellers marked with their pitch out to the second decimal point, as in 8x3.8. Don't mistake this "second number" as described above. In this example, the second number is a fraction of the first, and has in fact a pitch of 3.8.

Regretfully, the number shown on the propeller representing the pitch is not universally accurate. Some manufacturers are very good in this aspect, while others are downright terrible. In a series of tests conducted by R/C Report, it was found that in most cases, propellers have less true pitch than indicated by their markings.

Not all propellers are created equal. Much of the variations in the way they perform have to do with their shape, airfoils, and the material it's made from. If you're tweaking every last bit of power out of your engine, it's worth experimenting and finding the propeller that works best for your engine/airplane application.

Play it safe, and keep your propellers clean, tight, and balanced.

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Membership Application

If you cannot attend the meeting you can fill out the following application and send it, your check, and a self-addressed, stamped envelope to the Treasurer to receive your access instructions, membership card and a copy of the by-laws.

Application for Membership

Quad-City SkyRaiders

Name

Address

City

State & Zip Code

Phone

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AMA# (required).....

Frequency #s

Make check payable to:

Quad-City SkyRaiders

Mail this application along with your check and a self-addressed, stamped envelope to:

Mark Chronister
402 - 2nd Ave C
Silvis, IL 61282

Single membership - - - - - \$20
Senior membership - - - - - \$15
Junior membership - - - - - \$10
Family membership - - - - - \$20
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