

## *Ocean County Modelers, Inc.* *By-Lines & Fly-Lines*

P.O. Box 569, Lakehurst, NJ 08733-0569

April 2011

# *FA22 Raptor for the 21st Century*

**America's strength in the air**

*submitted by Carl Parducci*



**T**he Air Force recently accepted its first delivery of the new FA-22 Raptor at Langley Air Force Base in Virginia. Langley is to be the first operation base for the FA-22.

Langley sits in a picturesque location near Norfolk and Hampton, Virginia. The F-22 will be replacing the F-15s in the Air Force inventory.

In actual in-flight (simulated) combat operations against the F-15, two FA-22s were able to operate without detection while they went head to head against eight F-15s. The FA-22s scored missile hits (kills) against all

the F-15 aircraft and the FA-22s were never detected by either the F-15s or ground-based radar. Maj. Gen. Rick Lewis said, "The Raptor operated against all adversaries with virtual impunity. Ground based systems couldn't engage and no adversary aircraft survived".

The FA-22 is America's most advanced fighter aircraft for the 21<sup>st</sup> century. They are a titanium and carbon fiber 'dagger'. They're so advanced that if their on-board locator is switched off, even our own satellites can lose track of them.

They are the first military aircraft ever built that is equipped with a 'black-out button'. The best-conditioned fighter pilots are capable of maintaining consciousness up to in the vicinity of

*See Raptor, page 2*

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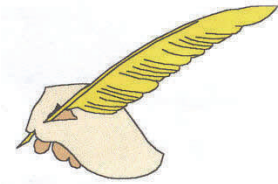
## Raptor, from page 1



15+Gs. The Raptor is capable of making 22+G turns. If someday an adversary builds a missile capable of catching up to one of these airplanes and a Raptor pilot sees that a strike is imminent, he hits the 'black-out' button and the airplane makes a virtual U-turn, leaving the missile to pass right on by. In the process the pilot will temporarily lose consciousness, so the Raptor then automatically comes back to straight and level flight until he regains consciousness.



## *Minutes of OCM Meeting on March 23, 2011*



**P**resident Steve DeSanto opened the meeting at 7:00pm with the Pledge of Allegiance. There were 29 members present. Rick Heinrichs read the treasurer's report. Ralph Ferrara made a motion to accept the report and Robert Martin seconded. A vote was taken by a show of hands and it was passed unanimously.

### **FIELD REPORT**

Steve reminded everyone of the rules for locking the gate at Wiskow field. Make sure the lock is locked, lock-to-lock. Do not leave the lock unlocked. The club has lost many locks because they were left unlocked or were locked incorrectly and the township had to cut them off to gain access to the site.

The Zoysia grass has been ordered but will not be shipped until mid-April due to the weather.

### **ANNOUNCEMENTS**

Hob Davis has plans for a Fokker DH. If you are the one looking for them please let him know.

Pizza will be served at the April 27<sup>th</sup> OCM meeting.

### **NEW BUSINESS**

Gil Schwalb spoke about when the work was begun at Wiskow field in 1998.

Ocean County College is working on a TV piece about senior life and OCM will be featured on the program. A film crew and reporter have visited Wiskow field, interviewed club officers and members. They also filmed several members flying their airplanes.

Mike Fevola urged all OCM members to continue to contact their elected representatives regarding the upcoming rules changes that are under review by the FAA and AMA.

Steve DeSanto has been contacted by the Jackson Township high schools about the club's willingness to continue its past generosity to sponsor scholarships for 2011. A discussion on this issue resulted in Steve making a motion for the club to fund two scholarship awards in the amount of \$500. each. One student from Jackson Memorial High School and one student from Jackson Liberty High School will be selected. Scott Smith seconded the motion; a vote was taken and passed unanimously. Carl Parducci made a suggestion to submit an article to the local newspaper about the Club awarding the scholarships, and then submit the article to the AMA for possible reimbursement.

*See Minutes, page 6*

# Airplanes of the Month



This foam Focke wulf belongs to Bill Fishbach. It has a 35" wing span, a Spektrum radio 3 channel, with a 1300 mAh battery driving a 300 motor.



Jam Rabii shows this Soarstar foam trainer with a 300 size electric motor. It has a Spektrum radio and a 1250 mAh battery.



Look at the back page  
for important  
information.

See Airplanes, page 5

*Airplanes, from page 4*

Hob Davis shows his Piper J-5 from Hobby Lobby. It has an outrunner electric motor with a Spektrum radio powered by a 2-cell lipo 1600 mAh battery.



**Use a checklist  
before takeoff.**



## *President's Corner*

*by Steve DeSanto*

**L**et's talk money. When I began my term as Vice President in late 2005, the Ocean County Modelers ended the year nearly broke. President Bob Miceli and I talked about how to build the attendance and savings at the same time. First we raised the membership fees and cut spending. Then later the club was able to lower the club fees and we started giving door prizes at the meetings. We thought this would boost attendance and it did.

Now we do not want this to be just fuel, a battery or gift card. The OCM officers would like this to be a new radio, a complete kit. To give away a five hundred dollar radio or kit at each meeting we need to build the savings.

Many members feel we should spend the club's funds to zero each year. The officers think not. If we ran the club like that we would not have been able to purchase the much-needed tractor this season. A quick check with local clubs shows our club's savings is well below other clubs. Most clubs always keep funds available for unexpected expenses as well as for planning additional events.

If for some reason we lose this flying site, we may have to rent flying space from farmers as some clubs are required to do. The club could not do this if we did not maintain substantial savings in our account.

Please keep in mind what we have isn't very much and won't go very far with today's prices.

## Tips and Tricks

submitted by Ed Sayers

In the 20-plus years that I have been offering my stripped glow plug thread repair service, I've repaired well over 3,000 heads or cylinders. Quite often, a note will accompany the head saying the owner had been running model engines for many years and this is the first time for this to happen.

Oftentimes, the owner wonders if the manufacturers changed material, was the head defective to begin with, what can be done to solve this problem in the future etc?

Several factors can cause the plug threads to strip. Number one would be too much muscle, i.e., over-tightening the plug followed by running the engine too lean. Running the engine too lean softens the aluminum to the point where it is on the verge of melting. This can also fuse the aluminum to the plug. Then, when removing the plug, the threads come out with it.

With the 4-strokes, cross-threading is a major cause. With the plug at an angle a lot of fellows have trouble hitting the angle right. Whenever the plug does not screw in easily, find out why? Don't force it.

A final cause is imperfect plug threads. The threads are formed either by a die head, or rolling. The rolling process can result in imperfect threads. Instead of 32 threads per inch, only 31 or 30 are formed.

The solution here is always run a threading die over the threads of a new plug. Many of those involved in racing events where you can go through a plug a race, have been doing this for years, but Sunday and sport flyers seldom do. One quarter inch-32 threading dies can be had from any machinist supply company such as ENCO Supply, use <[www.encdo.com](http://www.encdo.com)> or Industrial Pipe & Steel, <[www.ipsteel.com](http://www.ipsteel.com)>

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### MODEL OF THE MONTH

Hob Davis showed a J-5 Cub from Hobby Lobby.

Bill Fischbach showed a scratch-built foamie with plywood reinforcement from plans he found in Park Flyer magazine.

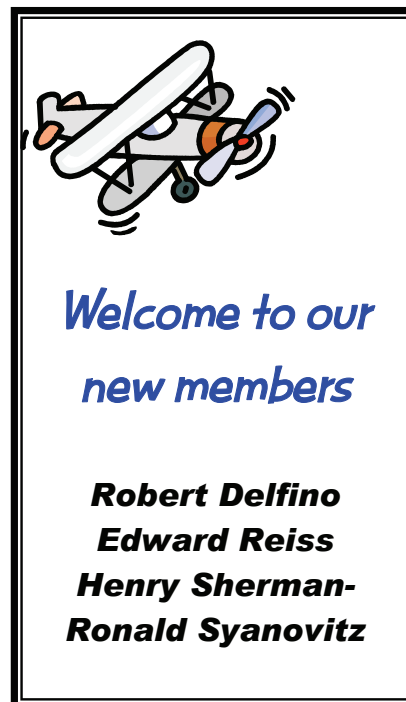
Jam Rabii showed his electric SoarStar.

### DOOR PRIZES

Rob Martin won the March door prize, an electric Eagle 400 that was donated by Mike Fevola.

Harry Jenkins won the March 50/50 of \$31.

The meeting was adjourned at 8:17pm.  
Submitted by Scott Smith.



# JACKSON HOBBY SHOP

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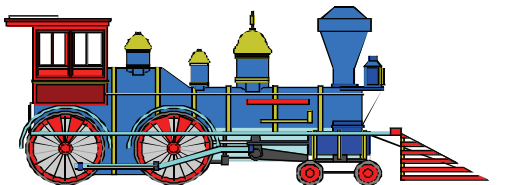
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**STORE HOURS**  
Tuesday thru Thursday: 10am-6pm  
Friday: 10am - 7pm  
Saturday: 10am - 5pm  
Sunday & Monday - Closed

Show your OCM  
club card for 10%  
discount.  
(See store personnel  
for details.)

**We carry Lionel trains “for the kid in you”**



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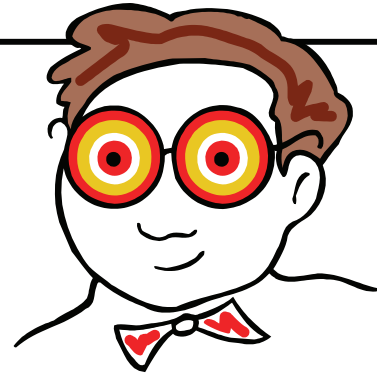
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**Established 1969**

## *Wiskow Field and Flyers star in TV show*



**O**n March 15th, the Ocean County College TV production crew arrived at Wiskow Field about 8:30am to begin about 4 hours of filming and interviewing flyers. That will all be cut down to a five-minute segment for the program “The Best Years”, which airs on local TV channel 20. Catch the show on one of the following dates:

**Toms River Comcast area**  
Sunday 6:00pm - Apr 17th  
Wednesday 6:30am - Apr 13 & 20  
Thursday 7:30pm - Apr 28  
Friday 1:00pm - Apr 29

**Brick Comcast area**  
Friday 1:00pm - Apr 15  
Monday 1:00pm - Apr 18  
Friday 1:00pm - Apr 22

Check other Cable providers to see if this program is on their schedule



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**Next OCM meeting**  
**Wednesday**  
**April 27th**  
**7:00 PM**  
**Manchester**  
**Municipal Building**