

An Owl cannot fly without ...

Flight Feathers

The official publication of OneWingLowSquadron.org

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Flight Simulators: RealFlight, Phoenix, AeroFly, Reflex XTR, neXt...

At our Electric Fly-In last month, Fernando set up his laptop and ran Phoenix for our members to try out. Like everything in life, diverse opinions abound: Chevy/Ford, Mac/PC, Electric/Glo. And it's no different with flight simulators: RealFlight/Phoenix/AeroFly/Reflex/neXt. If you surf the reviews on the popular R/C websites, you will quickly realize that all sim programs have pros and cons; lovers and haters. Some factors to consider when choosing a sim: initial program price and upgrades (some offer free upgrades), your model choice (some are dedicated to helis only), your computer's capability (see sidebar, pg. 2), and user friendly experience.

Over the next couple issues, I will try to highlight some of these sims starting with Phoenix and neXt (pg. 4).

Phoenix

- Improved airplane physics rebuilt from the ground up, plus industry-leading heli physics, provide ultimate realism and accuracy
- Companion software lets you import 3D geometry definitions from almost any program so that you can fly creations of your own, then share online
- Improved model editing system lets you completely control each model's flight characteristics in detail
- The most authentic simulations of Horizon Hobby® RC aircraft including the innovations they feature such as AS3X® and SAFE^{II} technology
- All aircraft flying sites and feature downloads are FREE
- Over 200 accurately modeled and detailed helis, airplanes, float planes, autogyros and more included
- In-cockpit and chase camera views give you a wide range of flight perspectives
- Realistic sounds recorded from actual model engines
- Dozens of beautiful sites include a range of exotic locations from around the world using high-definition Photofield technology that make it feel like you're right there
- Internet/LAN multiplayer mode with voice-chat lets you fly and learn from other pilots around the world
- Tutorial videos taught by world-class champion pilots 🦅



Fernando (left) set up his laptop and Phoenix Flight Sim for the boys to play with after our Electric Fly-In on Sat.

NEXT MEETING

SEPT. 5TH
@ 11:00 AM

**NO MEETINGS IN
JULY & AUGUST**

WISE OWLS

MIKE FLICK
PRESIDENT

~
JERRY FLICK
VICE PRES.

~
RON SANDERS
SEC./TREAS.

~
ROB GRANT
SAFETY OFFICER

~
GALE MOORE
CONTEST
DIRECTOR

I was taking a panoramic photograph while Gale was landing his Stearman and ended up with this interesting result.



Minimum System Requirements

An important consideration when contemplating purchasing a flight simulator is determining if it will run on your PC or MAC. With a PC, things to check are the operating system, processor speed, amount of system memory, hard drive space, and the video card.

AeroFLy v5

- Windows XP or newer
- 2.4 GHz Pentium 4 or AMD Athlon64 CPU
- 1 GB of RAM
- 16 GB free HD space
- DVD-ROM drive
- Nvidia or ATI 3D graphics card w/ 256 MB memory
- Available USB port
- \$299

Phoenix v4.0

- Windows XP or newer
- 1.0 GHz Pentium 3/4 or AMD Athlon64 CPU
- 256 MB RAM
- 1.5 GB free HD space
- DVD-ROM drive
- ATI Radeon 9800 or Nvidia Geforce Ti4200 graphics card w/ 128 MB memory
- Microsoft DirectX 9.0
- Available USB port
- \$179

RealFlight v6.5

- Windows XP or newer
- 1.0 GHz Pentium or equivalent
 - *Dual Core 2.4 GHz CPU
- 512 MB RAM
 - *2 GB RAM
- 7 GB free HD space
- DVD-ROM drive
- 3D accelerated graphics card w/ 32 MB memory
- Microsoft DirectX 9.0 compliant
 - *Shader model 2.0
- Available USB port
- \$179

**Recommended*

Reflex XTR2

- Windows XP or newer
- 1.6 GHz Pentium 4 or AMD Athlon64 CPU
- 512 MB RAM
- 2 GB free HD space
- DVD-ROM drive
- DirectX 8.1 compatible 3D graphics card w/ 64 MB memory
- Available USB port
- \$110

All prices may vary!



HAPPY BIRTHDAY

Over 20 of Ken's family and friends helped him celebrate his 89th birthday.



4th of July Celebration

The OWLS, represented by Art, Ron & Deb, and Judi & I, participated in the Williston Independence Day Celebration. We displayed several models and passed out crayons (with drawings of our planes to color) and foam gliders to over 60 kids. Tons of people showed up for a beautiful fireworks display and many stopped by our tables to gawk, drool, and covet our planes. We talked with and answered lots of questions from the visitors ó some with r/c experience. A rain shower passed through just before the event leaving a beautiful evening behind. 🍃



My First Time on Floats

After watching Rob and Ted fly their Super Cubs on Tiger Lake earlier this year, and then reading an article in AMA magazine that gave good reviews for my Sport Cub on floats, I decided to give it a try.

Under the tutelage of Rob and his son, Mike, we hit the lake early on Father's Day. The water was mirror smooth, but the sun was hot and low (had to be careful of our flight paths). Mike took my plane for a test flight and everything trimmed out well. Then Rob said, "Now, we don't want to have to launch the boat of shame, do we?" And so, with those inspirational words in my head, I took off! AND IT WAS AWESOME! Round and round, touch & goes; and two batteries later, we called it a day. It was a great experience. Sure there were some wing dips in the water, but no soggy planes! and no need to launch the boat of shame! 🍃

Notes: In preparation of the flight, I coated the ESC with Corrosion-X, which waterproofs the electronics (safe for the Rx, too). I actually believe this plane flew better with floats than with wheels.



The OWLS Nest Gallery... See all the videos at <https://vimeo.com/groups/onewinglow>



Our 2015 Electric Fly-In was a huge success with 18 pilots representing clubs from all over Florida flying under beautiful sunny skies amid gusty winds.



Doc served up over thirty whopping all-u-can-eat meals.



Some members got to play with Fernando's Phoenix Flight Simulator.



Rob & Fernando thrilled us with nothing less than amazing chopper flying.



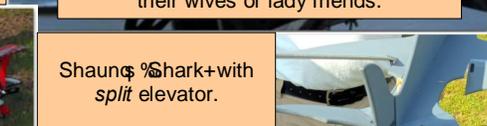
A couple pilots from the Alachua Electric R/C Flyers in Pine Ridge ended up joining our club.



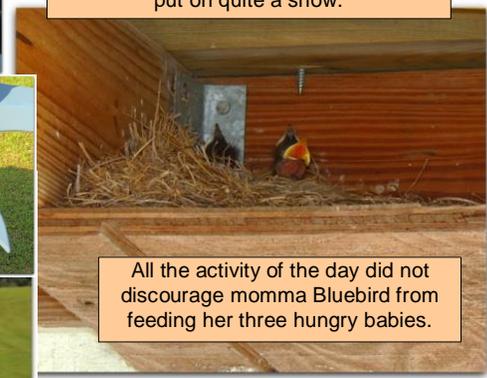
Several OWLS and guests brought along their wives or lady friends.



The Beast from the Alachua club put on quite a show.



Shaun's Shark with split elevator.



All the activity of the day did not discourage momma Bluebird from feeding her three hungry babies.



May's *Name the Plane* was a Vought OS2-U Kingfisher. Instructor pilot is in the rear gunner's station. These planes usually flew off cruisers and battleships and were launched by catapult.

Samsung Sees for Safety



A camera on the front and a big-screen on the back lets you all-but-see-through this truck.

Have you ever found yourself driving behind a semi-trailer truck? the company asks. If you're on a single-lane highway, it can be a nightmare. Even though the truck is driving relatively slowly, you cannot overtake it due to its size and because you cannot see what is happening in front of the truck.

Samsung has developed a solution that may make this problem a thing of the past.

The Safety Truck has a wireless camera attached to the front of the truck, which is connected to a video wall made out of four exterior monitors located on the back. The monitors give drivers behind the truck a view of what is going on ahead, even in the dark of night.

This allows drivers to have a better view when deciding whether it is safe to pass, the company says.

Sprucing Up the Clubhouse

Perhaps you have noticed how nice the field and clubhouse are looking lately. Well, you can thank Mike who has been busy painting, weed-whacking, and replacing broken posts. Nice to be retired, isn't it, Mike.



Several club members participated in Operation Purple at the FL Sheriff's Caruth Ranch.

54 children from military families enjoyed a week at the camp that wrapped up with demonstrations by County Sheriff's, local First Responders, the US Coast Guard and therapeutic service dogs.

We displayed a variety of models and passed out foam gliders that were a big hit with the kids. Our new banner looked great. Yes, it was hot, but everyone had fun!



neXt - CGM r/c Heli Flight Simulator

System: Apple Mac OSX (Intel, 10.6 or later), Windows XP, Vista, Windows 7, Windows 8, Linux
Version 1.381 available from 21th May 2015 Free download

The neXt level of heli simming. We gave our r/c **Helicopter Flight Simulator** the name neXt because it heralds the next evolution in the model flight simulator industry.

Thanks to the highly effective programming beneath the hood of the graphics engine, you'll get the highest quality not only on the latest hardware, but also smooth performance on older computer systems. The neXt contains nine flight sceneries, 34 helicopters and three multicopters.

Beginner: The hover flight trainer progressively enables more and more control functions in order to help beginners learn hovering from the four predefined angles. An inverted-flight trainer completes this training program. The switchable autopilot simulates the flight behavior of real helicopters with BD3SX, HC3SX and SK720 rescue systems.

Advanced: The Simulator is of course fully 3D. If necessary, the neXt shows the stick movements with four available control assignments. Now you can train blade scratching. Practice autorotations and learn the required pitch inputs to perform the maneuver in reality with confidence.

Training videos for learning Roll, Turn, Funnel, TicTocs, Piro Flip, Piro Looping, Piro Circle, Piro TicToc, a.s.o.

Fun: Try to land your helicopter at a box. A optional marker shows the position of the helicopter on the ground. Meet your friends online in flight meetings. A maximum of up to 10 pilots can attend a room. Record your best flights and save them to disk.

Demo version: You can download the neXt helicopter simulator for free from our server and test it via keyboard shortcuts. If you would like to try out your own transmitter before you buy, you can do this for 2 minutes.

Compatible control systems: A transmitter that has a USB adapter cable. PS3 / PS4 Controller (Apple OSX). Xbox 360 Controller (Windows)

Copy protection: The online activation requires an internet connection. Though a license can register up to two computers only one computer may run neXt at a time. Available updates are displayed at startup.

Model and scene design: Our helicopter flight simulator is compatible with almost all 3D design programmes (such as Blender, Maya, Maxxon Cinema, 3D Studio Max...). Additional helicopters can be created a day after receiving the data.

New Service: Order the download or CD version with credit card or PayPal and you can download the neXt CGM rc Heli Simulator immediately! Start using it straightaway while the CD is on its way by airmail.

http://www.rc-aerobatics.eu/cgm-rc-heli-simulator_e.html