



Cornwall Aero Modellers

NEWSLETTER

October 2015

Club Executive

President: Karl Kingston
Vice-president: Rick Besner
Treasurer: Roger Belanger
Secretary: Mike Cafferky
Field manager: ?
Events: Jack Dikland & Merv Blizzard
News editor: Frank Reaume
Safety Officer: Taylor Pratt

The October meeting was held at Minimax, with 14 members present, along with 5 members of the Seaway Valley Modelaires from Massena.

- The treasurer's report was adopted as read. The club's fiscal year has ended with a healthy bank balance.
- The club held a work day/chili day on Oct 17th to get the field in shape for winter. The main gate requires some repair.
- The CAM and SVM members agreed to co-ordinate their events for 2016 so that members from both clubs can attend without conflict.
- A motion was made to incorporate the club, and the members approved this course of action.

- The new executive was elected, and Mike Cafferky will take over the Secretarial duties.
 - The Massena club invited us to fly indoors at the Norwood gym when it is available.
 - People who use the RealFlight sim can now download a copy of the Stetson field from the “dropbox” section of that club’s website.
 - The “Jets over Iroquois” event is no more. The event will take place at the Carp airport in 2016.
 - The club will hold its Xmas dinner buffet at Schnitzel’s restaurant.
 - The fall float fly at Creq Quay will likely become a two-day affair in 2016.
-

RC items of interest:

People who use Futaba radios will be pleased to hear that their favorite company has just introduced a 3-axis gyro for airplanes. It is called the GYA-460 and retails for about \$80 USD. Should be in the hobby shops very soon.



It is amazing how far radio systems have come in recent years. The latest offering from Spektrum is the DXe, which can be programmed using your Smartphone. It will retail for a mere \$90 USD.



“All you need is the free Spektrum programming app or software. Using this interface you can create and save basic model setups with different settings. For advanced programming features such as stick configuration, wing type selection, expo on/off function, model setup import and many more, the Spektrum programming cable is required. Basic programming features such as servo reversing and trim adjust can be used without the programming cable. Once saved to your PC or mobile device, you can upload the setup for a specific model to the DXe with a simple point and click. “

FrSky, makers of the remarkable Taranis radio, have now introduced the “tray” version, known as model X9E. The tray model features two LCD screens, one in colour, improved gimbals, and built in brackets for the included shoulder strap. Consequently, it sells for about \$100 more than the regular model X9D.



It comes loaded with OpenTX version 2.1, so is good to go without having to update the software. This open source based software system permits endless customization and at a price point below most name brands. The biggest item of note with the Taranis might be the learning curve, as it is a bit more involved to setup and configure. However there is a wealth of online videos and tutorials available for the radio, and its user base continues to grow.

A new trainer is on the market – the Hobbyzone Sportsman S.



Retails for \$465 at your local hobby shop.

“Landing has always been one of the biggest concerns for new pilots, but not anymore. Designed to be as intuitive as possible, the HobbyZone Sportsman S+ comes loaded with SAFE® Plus technology which is equipped with advanced attitude awareness and a GPS system so pilots can leave their hesitancy on the runway, even if it’s their first time flying..

AutoLand

When activated, Autoland returns the Sportsman S+ safely to the ground with little to no pilot input. When flying in rougher conditions, you can provide some directional guidance and let the system do the rest to execute a safe landing.

Holding Pattern

Push a button, and the Sportsman S+ will automatically fly to a point near its takeoff location and circle at an altitude of approximately 120 feet. Once the command is cancelled, you have full control of the aircraft and can continue to fly.

Virtual Fence

You can choose between a circular setting with 360-degree fence or a rectangular setting with a fence that prevents the Sportsman S+ from flying behind you. Both fences will prevent the aircraft from flying too far away. When the Sportsman S+ encounters the Virtual Fence boundary, the control system will automatically activate

Holding Pattern and return the aircraft to near its takeoff location and circle until you cancel the command.

It also features the following:

Instant flight recovery with Panic Recovery mode.

Beginner, Intermediate, and Experienced modes make learning to fly easy.

HD Camera ready with an E-flite® EFC™-721 camera mount included.

1300mAh 3S 11.1V Li-Po battery for long flight times on a single charge.

Impact-resistant, durable Z-Foam™ construction.

Tricycle landing gear provides easier handling on the ground.

Full-range Spektrum™ DX4e 4-channel 2.4GHz DSMX® transmitter included.”



People who utilize the PowerLab 6/8 lipo charger from FMA (Revolectrix) now have a new toy to play with.

BUMP is an exclusive new Revolectrix concept for Battery Management. The BUMP Controller utilizes Near Field Communication (NFC) Technology to communicate with any battery equipped with a BUMP Compliant Tag, or “BumpTag”. The BumpTags will be pre-installed and pre-configured on most Revolectrix batteries in the near future. BumpTags will also be available for sale separately, so a customer can configure them for use with any battery of his choosing using the BUMP Controller. Once a tag is programmed for any given battery, a simple “BUMP” of the battery on the BUMP Controller configures any Revolectrix PowerLab Battery Workstation to the ideal settings for performing all battery management tasks. The BUMP Controller can independently address up to 4 PowerLab units (or channels of the Dual PowerLab 8) – each PowerLab connected is able to operate completely independent of the others.



MAJOR FEATURES:

- Simple, intuitive color touchscreen user interface
- Optimizes charger settings for each individual battery, speeds up the charging setup process
- Reduces accidental mistakes that could lead to expensive (and potentially dangerous) battery damage
- Automatic calculation for parallel charging, even for different battery capacities and C-ratings
- Each BumpTag contains the full factory ratings of the battery (write-once), as

well as user preferences and settings that can be changed at any time

- Each BumpTag contains a unique ID which enables automatic battery history and performance tracking – battery cycle history is automatically cached and uploaded to the mobile app whenever it connects via Bluetooth
- Works with all existing Revolectrix Cellpro PowerLab 6, PowerLab 8v2, and Dual PowerLab (8x2) Battery Workstations
- Supported Chemistries: LiPo (including LiHV), LiFe, Li-Ion, NiMH, NiCd, and Pb
- Supported Operations: Accurate Charge, Normal Charge, Fastest Charge, Discharge, Storage Charge, Analyze Cycle
- Analyze Cycle allows battery performance characteristics (Fuel Table, actual capacity, IR, etc.) to be stored back to the BumpTag for accurate fuel level and cycle time estimates
- The Bump Controller can serve as a remotely-mounted user interface for the PowerLab Battery Workstations, allowing the chargers to be completely hidden inside a charging case or beneath charging tables/benches. This frees up valuable workspace for batteries, connectors, adapters, parallel adapters, etc.

Retail price for the basic unit currently is \$149.95 on the REVO USA webstore and \$144.95 on the REVO Singapore webstore

RealFlight has now added a Drone simulator to their lineup:

“Whether you want to learn to fly a drone without crashing it or you’re an aspiring aerial photographer needing help taking photos and videos from your multirotor eye-in-the-sky, here’s big news: the new RealFlight Drone flight simulator from Hobbico teaches you both from the safety of your PC.



Part flight sim, part aerial camera instructor and 100% fun, RealFlight Drone is designed to help drone enthusiasts master drone and camera control at no risk to their flying machine or equipment. Both rookies and seasoned flyers can use the software to learn to:

Develop flight agility skills for 15 different multicolor configurations
Maneuver drones into the best position for capturing desired shots
Master basic camera gimbal operation to find the best angle for aerial photos
Perfect First Person View (FPV) camera control by framing each scene from a drone’s eye view
Practice flying and taking photos in a variety of conditions, including day, night and changing wind scenarios

Game-like exercises such as the Scavenger Hunt challenge for achieving proper positioning make Realflight Drone enjoyable as well as effective in teaching drone and camera skills. Practice makes perfect thanks in part to exclusive RealPhysics™ technology that recreates multirotor aircraft and flying environments with feel-like-you-are-there accuracy – the better to smoothly navigate your way through the blue when you take the real thing out for a spin.”

