



Cornwall Aero Modellers

NEWSLETTER

March 2015

Club Executive

President: Karl Kingston
Vice-president: Rick Besner
Secy/Treasurer: Roger Belanger
Field manager: Wade Flynn
Events: Jack Dikland & Merv Blizzard
News editor: Frank Reaume
Safety Officer: Taylor Pratt
CFI: Karl Kingston

The March meeting was held at Minimax, with 14 members and 1 guest present.

- The treasurer's report was adopted as read. So far, 26 memberships have been paid for 2015.
- The door at the clubhouse has now been fixed to operate properly.
- Some members will be flying their ski-equipped planes at the Upper Canada Bird Sanctuary on March 16 from noon till 4pm.
- The next chili fly is March 28.
- The Mall show is scheduled for April 25.

- The club will be hosting the Cornwall Invitational Indoor Meet at the Benson Center on May 2 (see poster below). Registration is \$10 in advance, or \$15 at the door. Payment by cash or Interac.
- For Show & Tell, Claude Haridge demonstrated his ignition cutoff circuit.



The poster features a background image of an indoor flying field. In the top left corner is a logo for 'Aero Modellers' showing a propeller and a red ball. In the top right corner is a logo for 'The MOOC' featuring a red maple leaf. The main title 'Ottawa Valley Indoor Invitational' is in large blue letters, with 'Hosted by Cornwall Aero Modellers' below it. The event details are listed on the left, and the event schedule is on the right. A raffle advertisement is at the bottom left, and a bar-b-q notice is at the bottom right.

**Ottawa Valley
Indoor Invitational**
Hosted by Cornwall Aero Modellers

Benson Centre
800 - 7th Street W.
Cornwall, ON
May 2nd, 9:00 to 12:00 am
Pre-Registration (until April 15th) : \$10.00
Registration at the door: \$15.00
*Pre-Registration can be done by INTERAC Transfer
Recipient : belanger.roger@sympatico.ca

Events :

- † Balsa Micro Model Contest
- † Multi-Rotor Obstacle Course
- † Spot Landing
- † Pylon Race
- † Duration
- † Door Prizes
- † 10 free Junior MAAC Memberships

Bar-B-Q at the Club Field:

- † BBQ will be served at noon
- † Outdoor Flying starts at 12:30 at the Club Field.

Raffle
Great Plane 30cc Citabria
\$5.00 per ticket, 3 for \$12.00



The next club meeting will be held on April 13 at Minimax, starting at 7:30pm

The club treasurer is now accepting 2015 membership dues, so send in your cheques as soon as possible. According to the club constitution, you cannot fly if you haven't renewed by March 1. Furthermore, you cannot fly in 2015 without renewing your MAAC membership as well.

Service Bulletin for people using Hitec brushless servos::

While compatible with most radio control devices, the regenerative braking feature of the HSB-93XX series servos may cause a problem if the device cannot accept a backflow of current. The types of devices that cannot accept this backflow are: Voltage Regulators, Power Safe Receivers and certain BEC circuits whether stand alone or integrated within an Electronic Speed Control. Check with the manufacturer or the Hitec website for a list of compatible models. If your device cannot accept a current backflow, then you must install a PAD (Power Absorbing Device - Hitec PN# 55756) as described in the manual. A PAD is included with every Hitec brushless servo.

There is no issue with older Hitec or other servos. This is a very specific discussion of the newest 9XXX series brushless servos from Hitec.

There is also no issue if you use their external PAD device to make these new 9XXX servos compatible.

Yet another high-end radio is entering the market. German high-tech engineers have developed the amazing Weatronic BAT 60 transmitter (available in 4 colours) which can do just about anything a modeler could wish for. Since

excellence doesn't come cheap, it's yours for only US \$1950. An improved tray version, the BAT 64 is coming soon. More information is available at:

<http://www.weatronics.com/en/index.php?pg=start.php>



Some of the features of this fantastic radio are:

22 physical controls, monitoring up to 64 servos

Extra large 5" capacitive colour touch screen

Freely configurable voice output via built-in speakers or headphones

Very fast data transmission of 100 frames per second

Internal GPS provides precise registration of the world time and allows the exact positioning of the model (if equipped with GPS module) on the ground and during flight ("Look and Find" function)

External connectors are protected against mechanical stresses and environmental conditions (2 USB ports, stereo headphone jack, microSD card slot, connection for PPM signal and USB mini B port)

Bidirectional, redundant transmission with 2 integrated patch antennas provides huge operation distance of more than 3 miles (unobstructed view).

Separated flight-controller and Linux computer

Innovative stick design: 9 ball bearings in each stick, wear-free magnetic “Hall-Sensors” with 12-Bit resolution (4096 steps)

Customize each axis to your personal needs. The feedback parts are easy to interchange and provide 8 different stick characteristics, including a revolutionary new “throttle/brake” concept.

4 Li-Ion batteries and each with 3000mAh capacity

Built in charger including individual cell monitoring for capacity evaluation

3 batteries are connected parallel as the main power supply and one battery is always reserved as a 25% reserve; this job is rotating - thus ensuring uniform aging of all 4 batteries; charging during flight is possible

Over 1,000 model memory (limited by SD-card size only)

96 functions/channels, 96 limiters and up to 32 virtual switches and adjustable alarm thresholds for increased safety

16 flight modes are possible with an allocation of up to 10 flight modes per model, more than enough for every competition pilot

Up to 96 function-mixers, and each one is flight mode dependent

Function curves for all functions for each flight phase (33 points)

Transfer of single or multiple windows on external WiFi-enabled devices (phone, laptop, tablet, PC, etc.) offers maximum input comfort

Recording of all relevant flight data guarantees post flight analysis of each flight for optimization or analysis of errors

Weatronic advises that these radios will be handled by Canadian dealers ICARE (Montreal) and Altecare (Toronto).

If you think today’s “high-end” radios are a bit overpriced, just consider what a r/c flyer had to contend with back in the late 60’s:

STOP AND THINK...



... Without advertising or promotion, the Kraft KP-4 proportional system has gained universal acceptance as the most reliable and precise in the R/C field.
... The KP-4 won more major 1965 contests than any other system.
... A totally new and vastly improved system, the KP-6 replaces the KP-4.
... There are approximately 19 proportional control manufacturers today!
... Kraft Systems, Inc., is known for integrity and service. We will be here tomorrow to service the equipment we sell today!

Kraft Systems, Inc.

2519 Lee Avenue • South El Monte, Calif.

All Kraft Custom Radio Control products are available through your local Kraft Franchise Dealer. If unavailable, you may order direct from the factory. Be sure to include check or money order for items ordered. If you prefer, you may send a D.D. (with balance C.O.D. Calif. residents add 2% sales tax).

KP-6 PROPORTIONAL SYSTEM

\$489⁹⁵

Complete system including 4 servos, 6 partial servo amplifiers built into receiver.

This “state-of-the-art” Kraft radio (with no reversing, no dual rates, no expo, no display, no memory, no cpu) retailed for \$490 as shown in the above ad from that time period. According to the Bank of Canada inflation calculator, that price corresponds to about \$3200 in today’s dollars. Obviously, we modellers of the 21st century are living in the golden age.