

RECAP OF THE

Scale R/C Aircraft Building Techniques Seminar January 19, 2013

Presented by:

Roy Vaillancourt & Dave Wigley



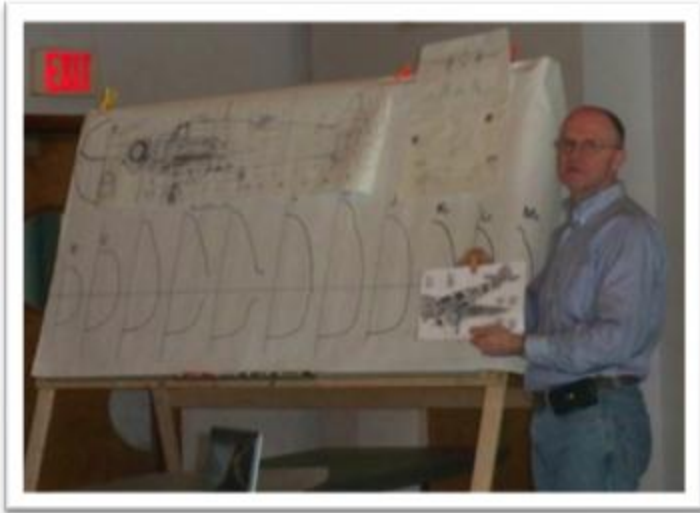
Hosted by the
Mid-Hudson R/C Society

Seminar Agenda

SCALE BUILDING TECHNIQUES

- 10:00 – 11:20 Lofting a fuselage
- 11:30 - 12:30 Lofting a wing
- 12:30 - 1:30 Lunch break & open discussion
- 1:30 – 2:20 Sliding cockpit canopies
- 2:30 - 3:00 Rib stitching techniques
- 3:30 Open discussion

Lofting a Fuselage



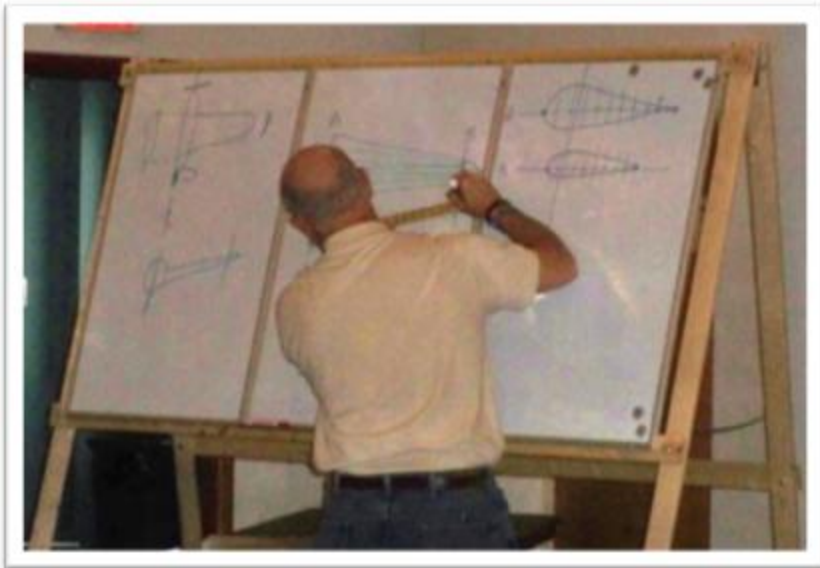
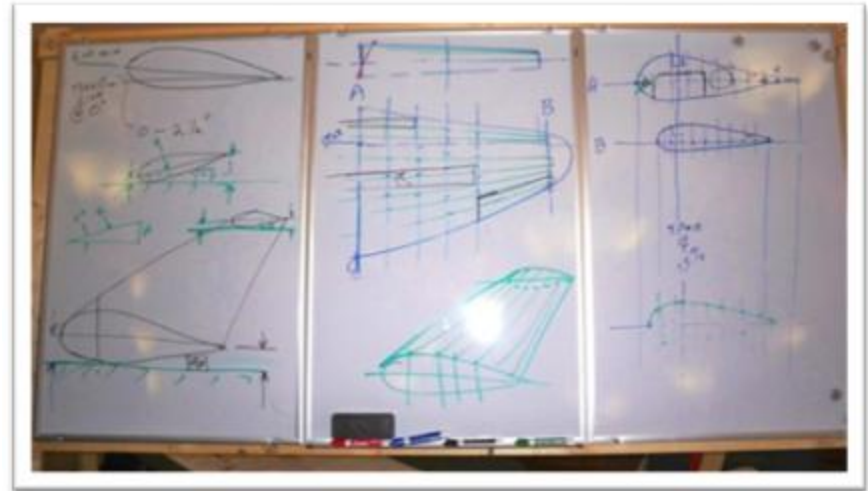
After scaling the drawing to the size needed, he transfers his outline to velum to make a full size drawing to build from.

Dave discussing the early stages of lofting your subject and the various drawings that he starts with. The bulkhead shapes are determined at segments along the fuselage length.



Lofting a Wing

Roy seen here picking up where Dave left off. His impressive drafting skills were put to use sketching the outline of the wing ribs from a 3-view drawing.



Roy discussed some of the challenges of a more complex wing outline, how to obtain washout along the wing span and landing gear considerations.

Sliding Cockpit Canopies



Roy sketched various methods of installing sliding canopies and rail mounting techniques.

Photos from one of Roy's projects were used to show how the linkages of the sliding mechanism can be installed.



Rib Stitching Techniques



Here Dave is showing what the pinked over stitches look like on the finished control surface of his Beaufighter.

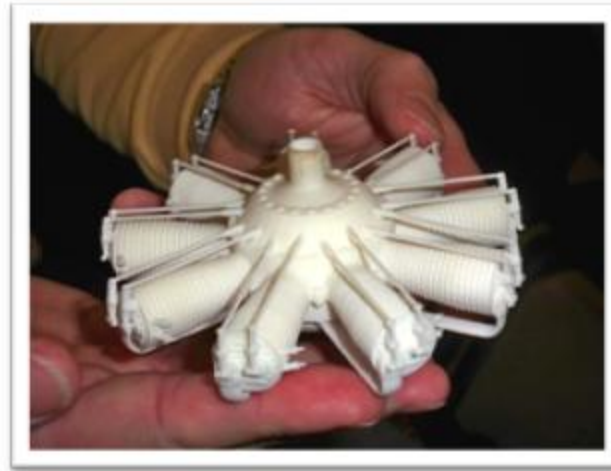
Rib stitching was next up with Dave showing a technique he has used for making simulated stitches that will be covered by pinking tape on the model surface.



Special Feature – 3D Printing

Dave invited Randy Huff (Distinctive Scale Models) along to discuss 3D Printing.

This is relatively new technology that is emerging in scale model building.



All
one
piece

Various items made of resin by Randy using CAD technology and 3D Printing equipment.



Truly
impressive
stuff!



Open Discussion Photos



Open Discussion Photos



Dave's Bristol Beaufighter

Photos of the completed Beaufighter taken at each of the Scale Building Seminars

2011



2012



2013



On behalf of the Presenters and Mid Hudson R/C Society, thank you for your continued Scale Modeling support! Keep an eye out for the next edition of this Scale R/C Aircraft Building Techniques Seminar...

Bob Allen, Seminar Coordinator.