



An elegant sport-scale project that leaps from land or sea

The Spectra II can be slowed to a crawl for landing in tight spaces. The position of the elevator relative to the propeller aids in performance.



The designer with his Spectra II for size comparison. The functional elements are integrated in a way that makes this design elegant as well as efficient.



As shown on the plans, removable fixed wire landing gear can be attached to the model for grass or paved flying days.

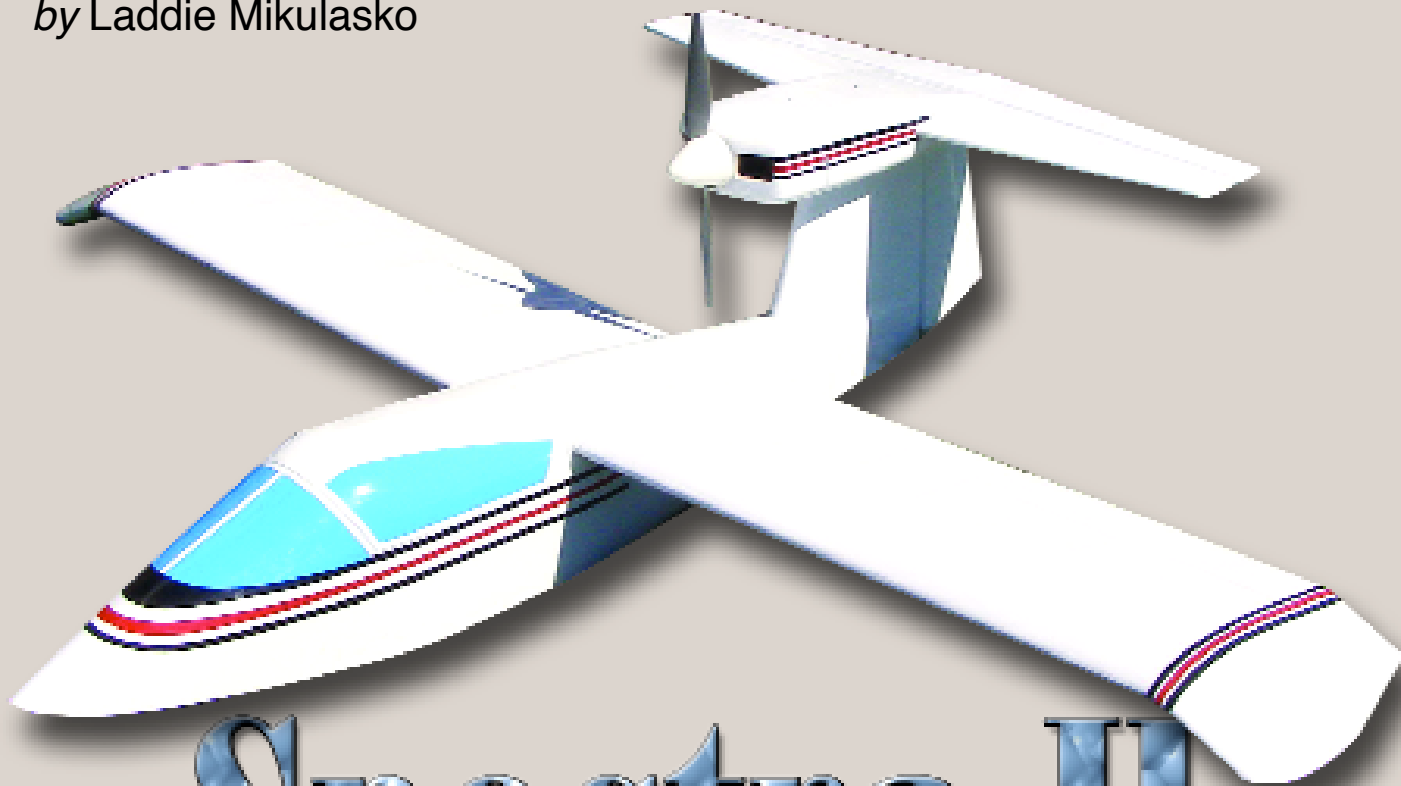


The Spectra II is fast even with the gear. In the water or out, it flies like a clean Pattern model. Smooth maneuvers are its forte.



Laddie clears the model from the dock for taxi. The water rudder is optional and adds authority to water steering, but it requires careful management on takeoff.

by Laddie Mikulasko



Spectra II

YEARS AGO I saw an article in the July 1971 *Radio Control Modeler* magazine that highlighted what I believed to be the nicest scale seaplane: the Spectra II. I really liked the design, but because of other priorities I did not build it then. I recently stumbled across the original *RCM* with the Spectra II on its cover again, and this time I decided to build it.

The original floatplane had a 72-inch wingspan and was powered by a .60 engine. I

was going to use the original plans as a base for building this aircraft; however, I wanted to have a 66-inch airplane that would be powered by a .46 glow engine or a midsize motor such as an AXi 4120/18. At the same time I felt a need to simplify the construction.

From the original drawing I used only the model's outline, the location of the ribs, and the shape of the formers. Before working on this design I felt that I needed more

information than the 1971 construction article offered. I learned from reading the original introduction article by Don Dowey (*RCM*'s publisher and editor at that time) that the model was used in the engineering tests for the full-scale prototype.

The original article and plans were by Don Hains and Paul Rhen. I did not know who designed the full-scale Spectra. When I asked this question on the Internet, a modeler

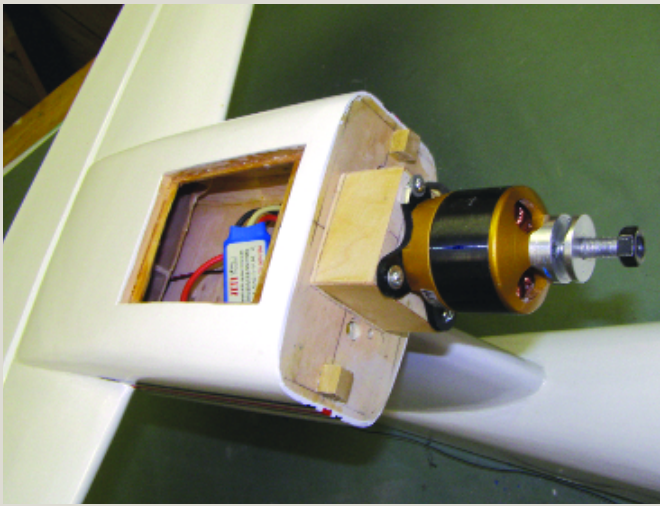
Photos by the author



The Spectra II leaps onto the step with full throttle application, as opposed to thrusting the nose into the water. Accurate lateral balance and aileron control keep the wingtips out of the water.



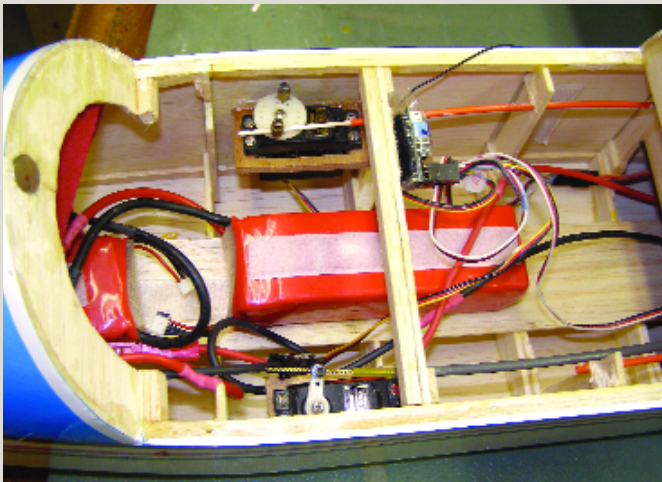
The Spectra II has generous horizontal and vertical area. The designer did a great job of maintaining the scale outline of this intermediate-skill building project.



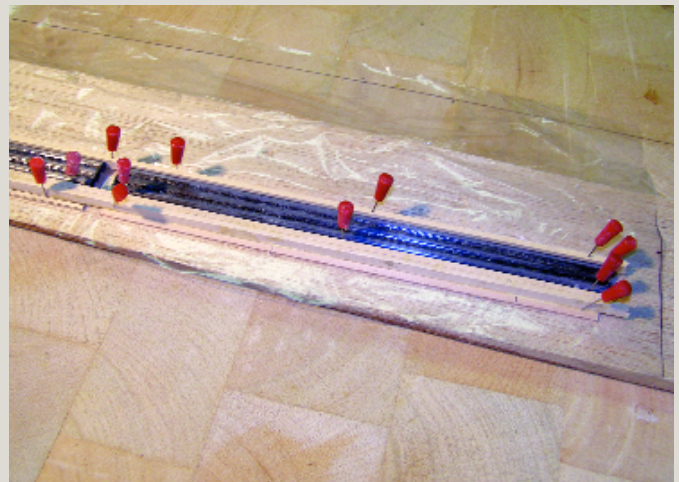
The Spectra II is convertible from electric to glow power. An AXI 4120/18 with a Jeti 70 opto ESC does the job of a .46-size engine when powered with a 6S Li-Poly battery system.



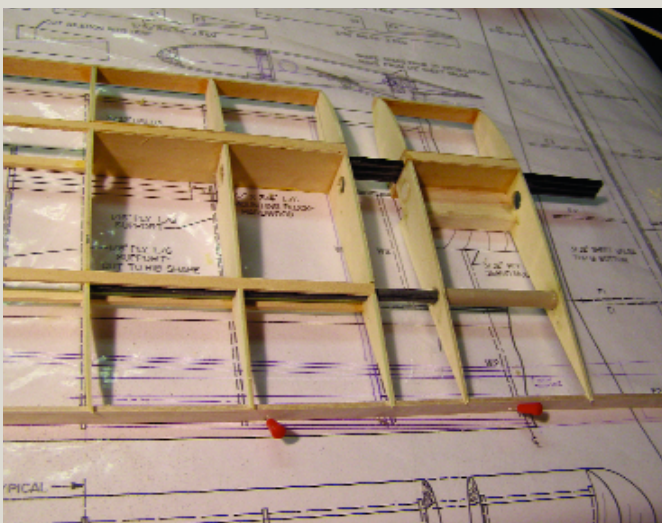
The balsa-and-plywood cowling can be built with or without the option to explore power sources. The power pod is mounted high enough to suit a 13-inch propeller.



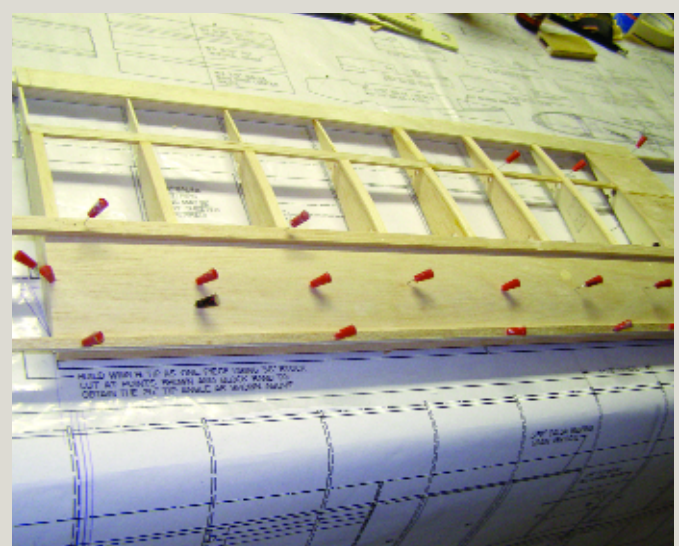
The forward hatch secures the two 3S batteries wired in series. The servos shown operate the rudder and elevator control. Note the magnetic closure.



Make the wing joiner by gluing three carbon-fiber tubes together. Thick cyanoacrylate is recommended for construction because it bonds extremely well with the composite material.



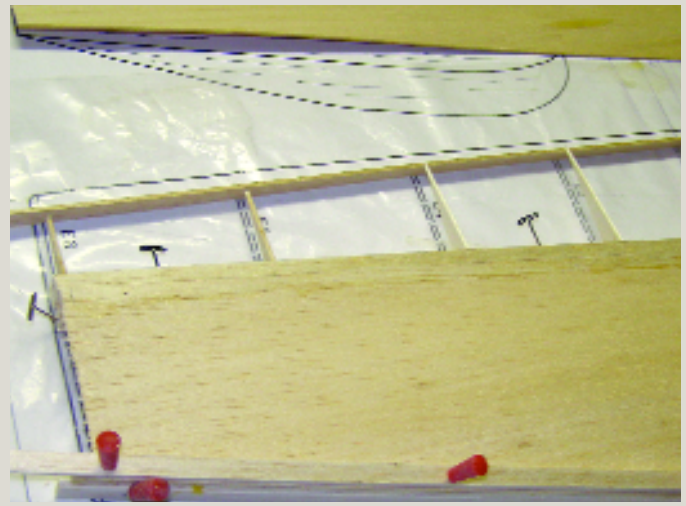
The center-section is built in halves, each of which is assembled during the construction of its respective panel. As shown, the left center-section is separated from the wing.



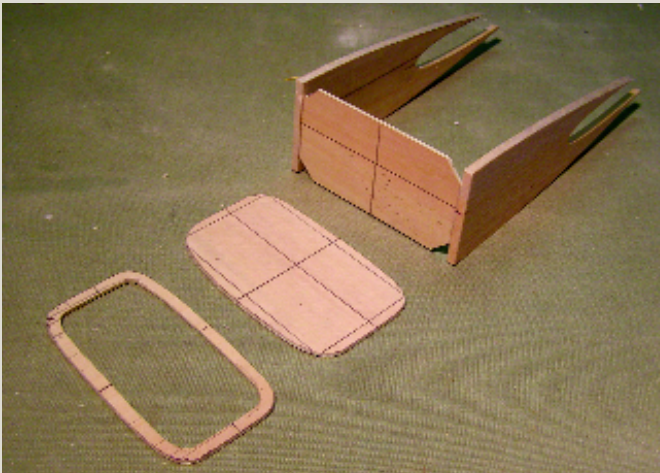
The LE and TE sheeting is glued on. The builder uses firm strips of material pinned against the sheeting to keep the joints tight.



The wingtips are made, showing the use of a balsa wedge to get them at the right angle. The builder has the option of omitting this wedge and angling ribs W11 and W12 instead.

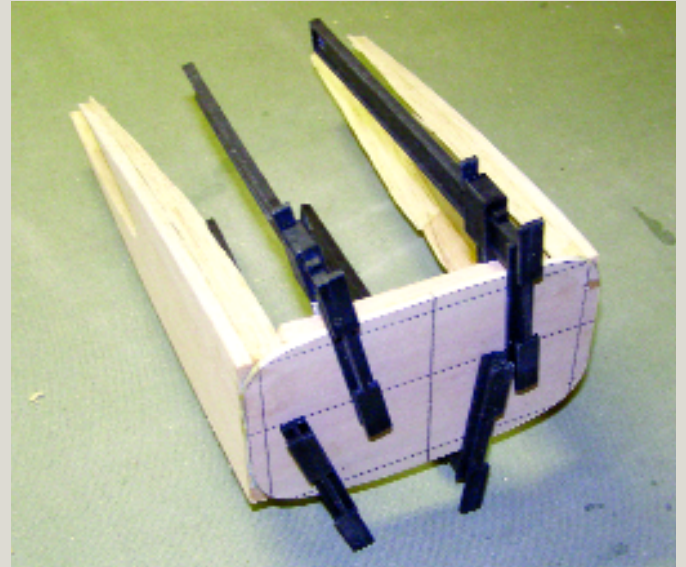


The stabilizer sheeting joins the high edge of the full-length balsa spar. Build the stabilizer in right and left sections, and join them after the sheeting is complete.

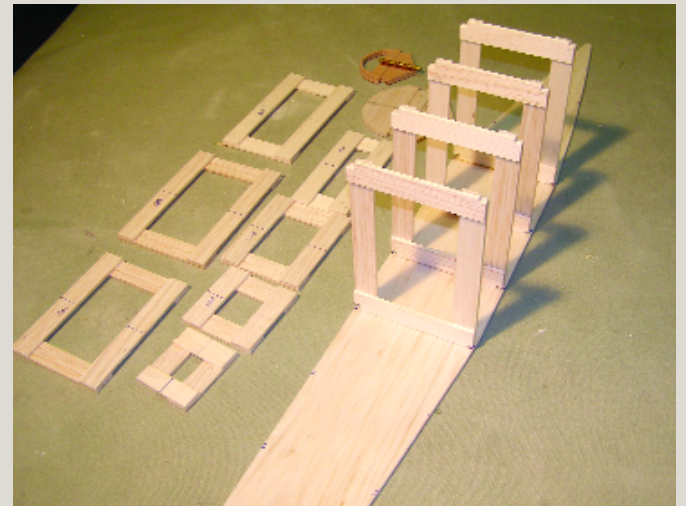
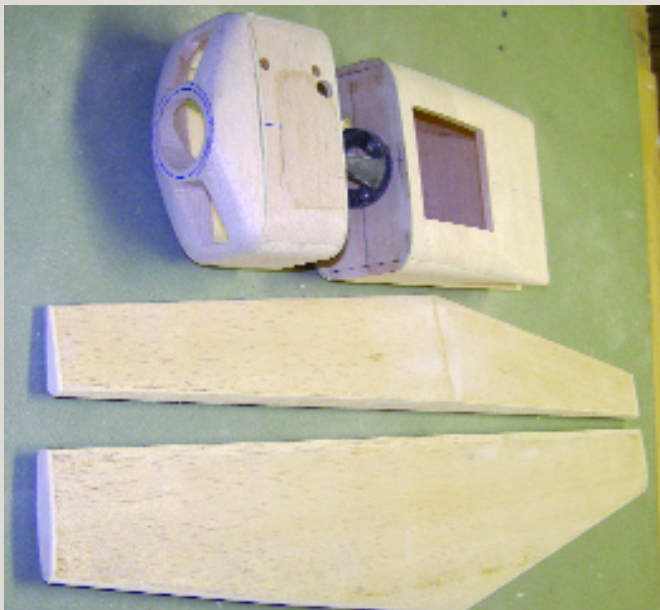


Above: The nacelle is built with two sides that are stacked while shaped to ensure that they stay identical. Double-check to ensure that the centers are aligned at all times.

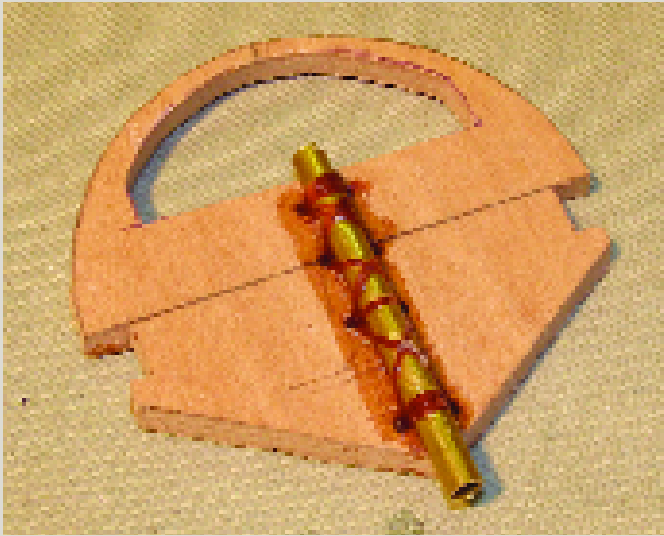
Below: The nacelle and tail surfaces are finish-sanded and ready for final assembly. Now is a good time to get the hinging finished.



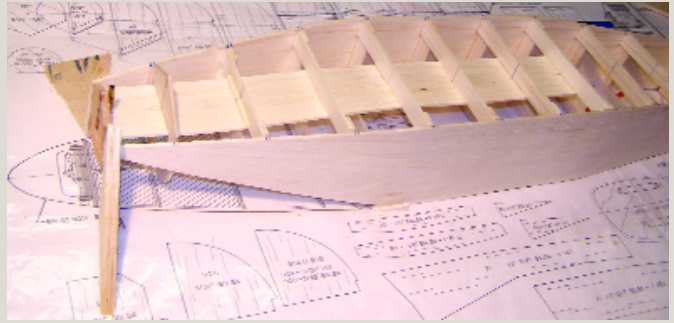
The triangular stock is glued to the insides of the nacelle to add body to the corners that will be rounded to shape later. The laminated firewall is used as a sanding guide.



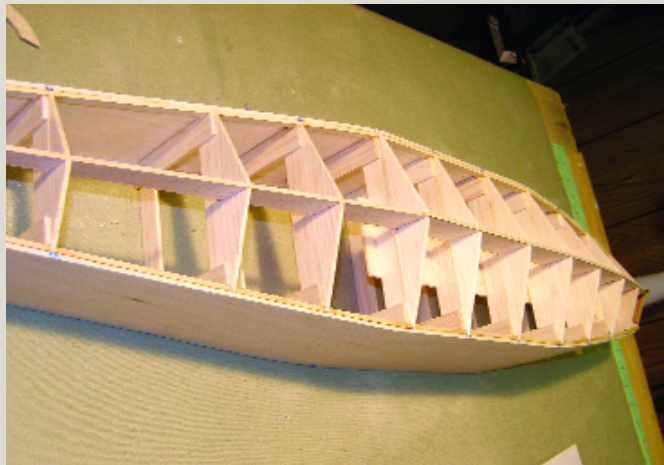
The bottom formers are glued to the fuselage sides. The drawing shows one-piece formers that the builder should use rather than the heavier stick formers shown.



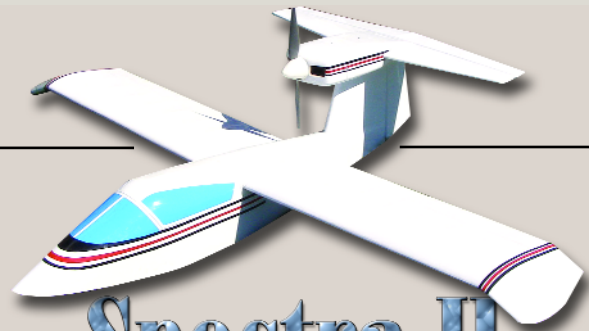
Former FI has $\frac{5}{32}$ -inch-inside-diameter brass tube attached to it for holding the nose-gear leg. The Kevlar thread is saturated with epoxy resin after alignment is confirmed.



All bottom formers can be glued on, and the keel can be set in position when the fuselage "box" is framed. No fiberglass is needed after the bottom is sheeted.



The fuselage is built upside down. The balsa floor is glued in place at this stage. It will be used later as a place to locate the power-system batteries.



Spectra II

Type: RC sport-scale amphibian

Skill level: Intermediate

Wingspan: 66 inches

Flying weight: 7.5-8.5 pounds

Wing area: 668 square inches

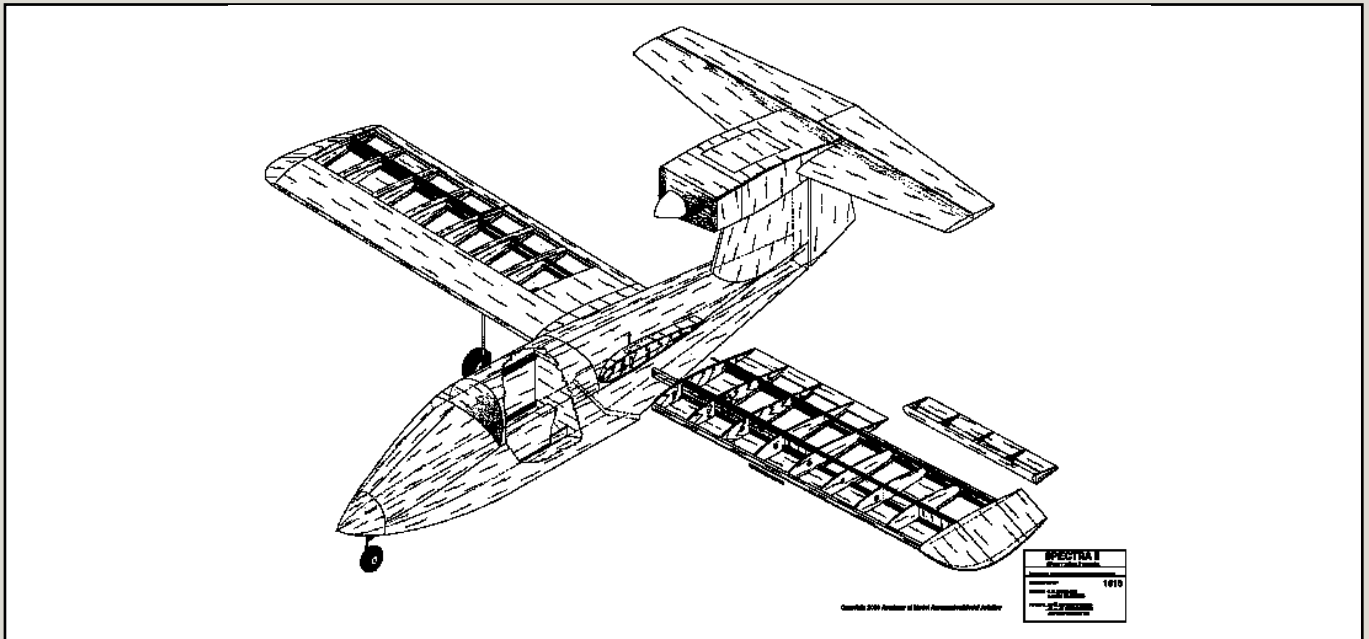
Length: 50.25 inches

Power: .46-.63 glow engine or 900-watt motor (AXi 4120/18 used)

Construction: Balsa with plywood and carbon-fiber reinforcement

Covering/finish: Builder's choice (UltraCote heat-shrink film used)

Other: 8- to 10-ounce fuel tank, four to six servos, 6S Li-Poly battery, 70-amp ESC, 2-inch spinner, landing gear, wheels (optional)



replied and enclosed part of the magazine article. Roy LoPresti was mentioned as the designer.

On the Internet I found LoPresti's company, Speed Merchants, which specializes in improving the performance of general-aviation aircraft by refining their aerodynamics. I contacted the company and received a reply from David LoPresti, who is the son of the company's founder.

The previous article mentioned the water-handling tests but included nothing about the flight tests. David wrote that his father terminated work on the Spectra for several reasons, one of which was that after the water-handling tests he concluded that he required a larger shop to continue.

David also mentioned that his father was planning to build a factory in Florida to produce this aircraft. However, for financial reasons that never happened. At that time David's father, who was employed by the Grumman company, was working on the moon program.

Because of the program's cancellation, David's father was offered a chief engineer

position at Grumman American, located in Ohio. The Spectra, an advanced design for its time, was never completed.

From the start I tried to design the model so that it would be easy to build. As I mentioned, I wanted an aircraft that could be flown either as glow or electric. Therefore, the nacelle can accommodate either power plant; it can house the fuel tank or a speed controller. The elevator and the throttle servos can also be mounted inside the nacelle.

I made a plug-in wing to prevent the water from seeping into the fuselage. The Spectra II can easily be flown from both land and the water.

To help less-experienced builders, I gave each part a number. The numbers are used to identify pieces in the construction section. Also use the included materials list as a cross-reference.

Please don't make modifications. I didn't use fiberglass on the outside of the model. Only the center-section of the wing, which sits inside the fuselage, has fiberglass on both the top and bottom, to strengthen the wing joint point.

If you are planning to paint the fuselage, cover the entire thing with $\frac{3}{4}$ -ounce fiberglass. I recommend following the building sequence as written.

As some photos show, parts of the Spectra II were built in different ways. I strongly suggest that you follow the written instructions.

CONSTRUCTION

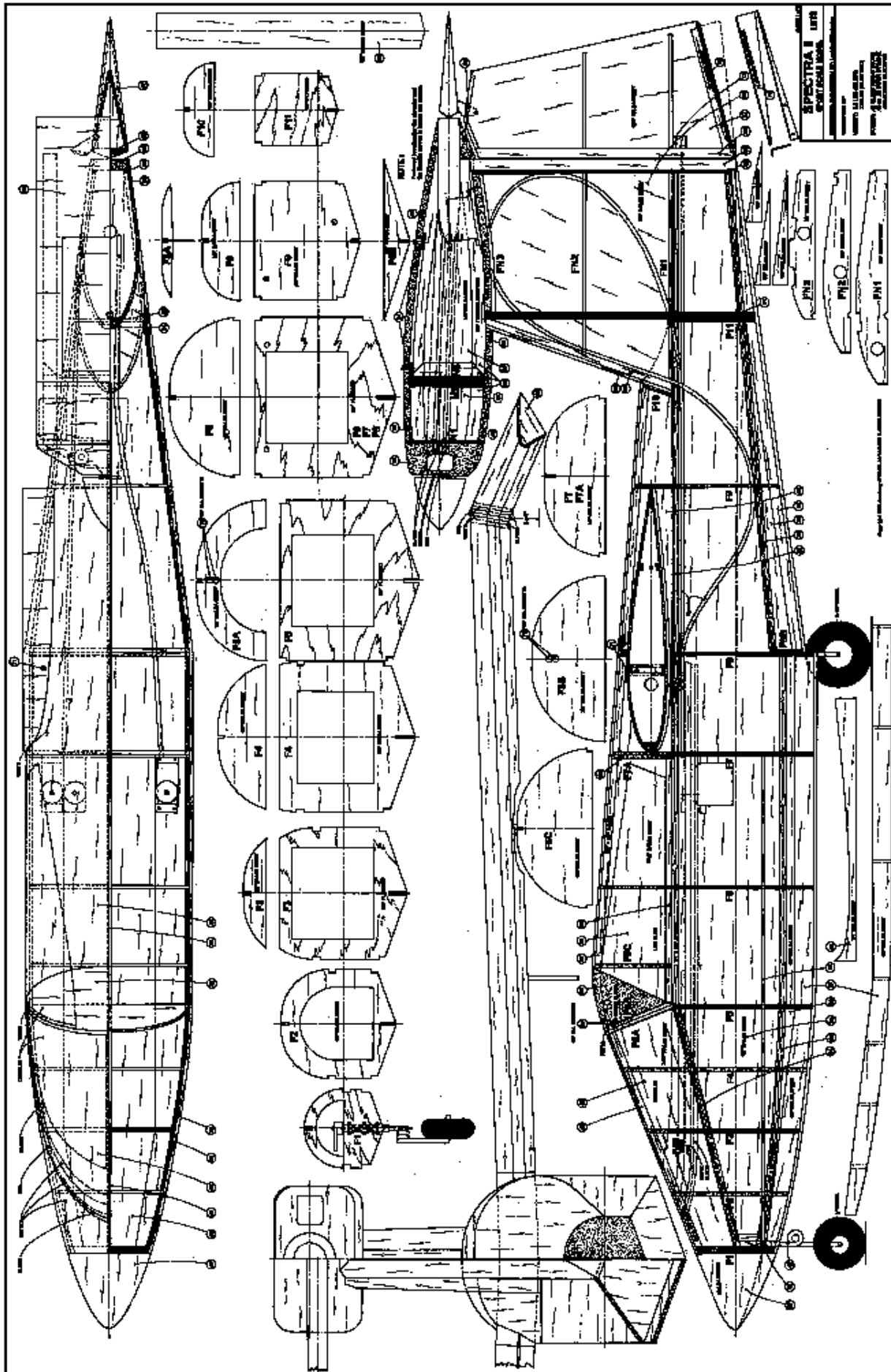
Wing: Make the two main joiners 24 by adhering three $\frac{1}{4}$ -inch-diameter carbon-fiber tubes with thick cyanoacrylate, as shown on the plans and in the photo.

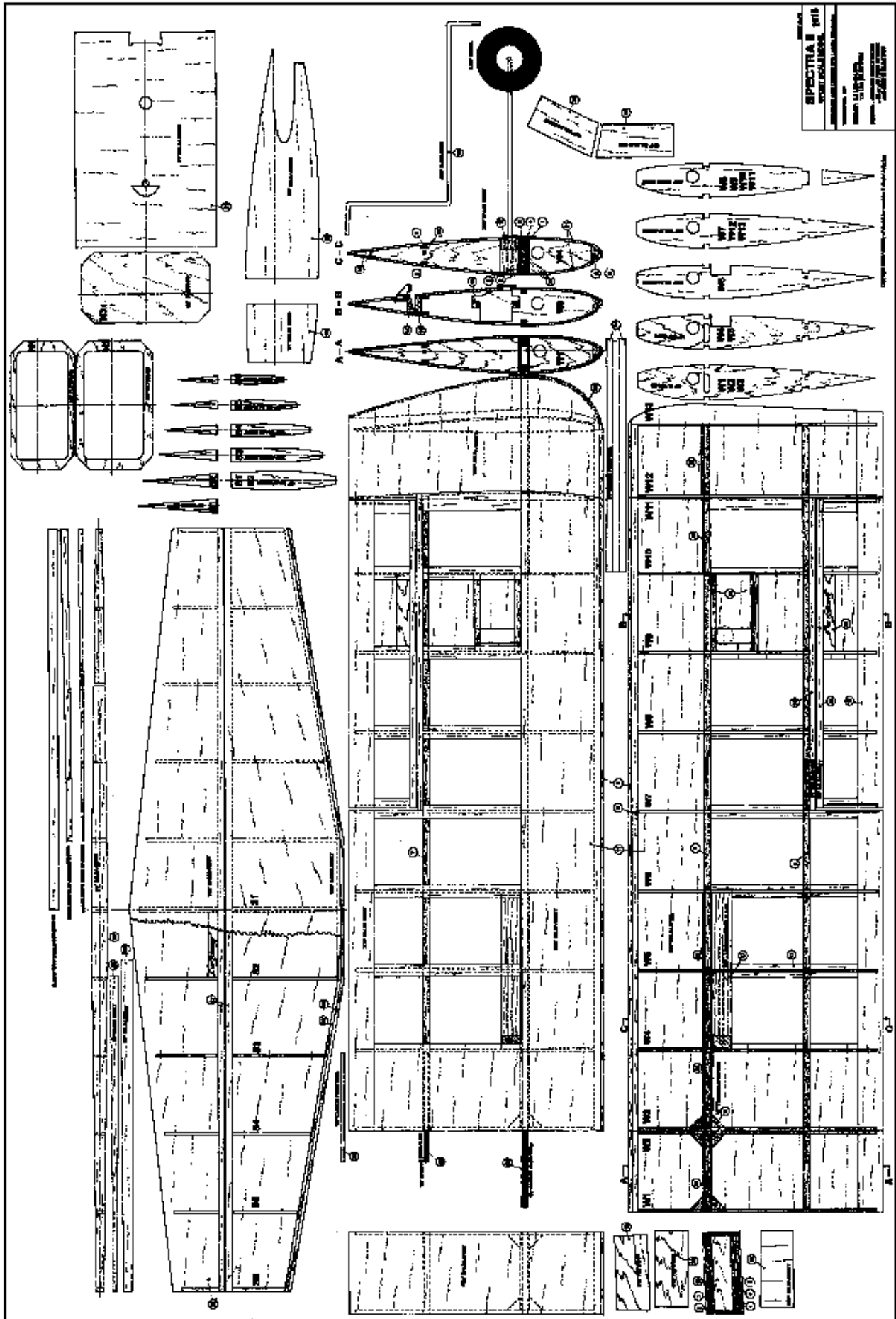
Cut all the ribs. Cut and drill holes in the ribs as shown on the plans. Pin bottom main spar 1 to the building board over the plans. All wing spars are in three sections. The first section is between ribs W1 and W2, the second is between W3 and W11, and the third is on the wingtip between W12 and W13.

Position and glue ribs W1-W11 onto the bottom main spar. Those ribs have to be angled as shown on the drawing. Slide the shim under the ribs' TEs. Glue top main spar 2 to all the ribs. Glue in top rear spar 7 to the

Plans Identification Chart and Materials List

1. $\frac{1}{4}$ x $\frac{1}{8}$ spruce (wing)
2. $\frac{1}{4}$ x $\frac{1}{8}$ spruce (wing)
3. $\frac{1}{4}$ x $\frac{1}{8}$ spruce (wing)
4. $\frac{1}{4}$ x $\frac{1}{8}$ spruce (wing)
5. $\frac{1}{4}$ x $\frac{3}{32}$ balsa (wing)
6. $\frac{1}{4}$ x $\frac{1}{8}$ spruce (wing)
7. $\frac{1}{4}$ x $\frac{1}{8}$ spruce (wing)
8. $\frac{1}{4}$ balsa sheet (wing)
9. $\frac{1}{8}$ balsa sheet (wing)
10. $\frac{3}{32}$ balsa sheet (wing)
11. $\frac{3}{32}$ balsa sheet (wing)
12. $\frac{3}{32}$ balsa sheet (wing)
13. $\frac{1}{4}$ balsa sheet (wing)
14. $\frac{1}{4}$ balsa sheet (wing)
15. $\frac{1}{4}$ x $\frac{1}{4}$ spruce (wing)
16. $\frac{1}{8}$ plywood (wing)
17. $\frac{3}{4}$ x $\frac{1}{2}$ hardwood (wing)
18. $\frac{1}{2}$ balsa triangular stock (wing)
19. $\frac{1}{16}$ plywood (wing)
20. $\frac{1}{16}$ plywood (wing)
21. $\frac{1}{16}$ plywood (wing)
22. $\frac{1}{16}$ balsa sheet (wing)
23. $\frac{1}{16}$ balsa sheet (wing)
24. $\frac{1}{4}$ -inch-diameter carbon-fiber tube (wing)
25. $\frac{1}{8}$ -inch-diameter carbon-fiber tube (wing)
26. $\frac{1}{8}$ balsa sheet (wing)
27. $\frac{1}{4}$ balsa sheet (stabilizer)
28. $\frac{1}{8}$ balsa sheet (stabilizer)
29. $\frac{1}{8}$ balsa sheet (stabilizer)
30. $\frac{1}{16}$ balsa sheet (stabilizer)
31. $\frac{1}{4}$ x $\frac{1}{8}$ spruce (fuselage)
32. $\frac{1}{4}$ x $\frac{1}{8}$ spruce (fuselage)
33. $\frac{1}{4}$ x $\frac{1}{8}$ spruce (fuselage)
34. $\frac{1}{4}$ x $\frac{1}{8}$ spruce (fuselage)
35. $\frac{1}{8}$ balsa sheet (fuselage)
36. $\frac{1}{8}$ balsa sheet (fuselage)
37. $\frac{1}{8}$ balsa sheet (fuselage)
38. $\frac{1}{8}$ balsa sheet (fuselage)
39. $\frac{1}{8}$ balsa sheet (fuselage)
40. $\frac{1}{8}$ balsa sheet (fuselage)
41. $\frac{1}{4}$ x $\frac{1}{8}$ balsa (fuselage)
42. $\frac{1}{4}$ x $\frac{1}{8}$ balsa (fuselage)
43. $\frac{3}{32}$ balsa sheet (fuselage)
44. $\frac{3}{32}$ balsa sheet (fuselage)
45. $\frac{1}{4}$ balsa sheet (fuselage)
46. balsa block (canopy)
47. balsa block (fuselage)
48. $\frac{5}{32}$ -inch-diameter brass tubing (fuselage)
49. $\frac{5}{32}$ -inch-diameter piano wire (fuselage)
50. $\frac{1}{4}$ x $\frac{1}{8}$ balsa (canopy)
51. $\frac{1}{4}$ -inch-diameter carbon-fiber tube (fin)
52. $\frac{1}{8}$ -inch-diameter carbon-fiber tube (fin)
53. $\frac{1}{4}$ balsa sheet (fin)
54. $\frac{1}{8}$ balsa sheet (fin)
55. $\frac{3}{8}$ balsa sheet (fin)
56. $\frac{3}{8}$ balsa sheet (rudder)
57. $\frac{3}{32}$ balsa sheet (rudder)
58. $\frac{1}{8}$ balsa sheet (rudder)
59. $\frac{1}{4}$ balsa sheet (nacelle)
60. $\frac{1}{4}$ balsa sheet (nacelle)
61. $\frac{1}{4}$ balsa sheet (nacelle)
62. $\frac{1}{4}$ balsa sheet (nacelle)
63. $\frac{1}{4}$ balsa sheet (nacelle)
64. $\frac{1}{8}$ plywood (nacelle)
65. $\frac{1}{4}$ balsa triangular stock (nacelle)
66. balsa block (nacelle)
67. balsa block (nacelle)
68. $\frac{5}{32}$ -inch-diameter piano wire (main gear leg)
69. $\frac{1}{8}$ -inch-diameter dowel (canopy)
70. $\frac{1}{4}$ -inch magnet (canopy)
71. $\frac{1}{2}$ -inch self-tapping screw
72. $\frac{1}{8}$ plywood (rudder)
73. $\frac{1}{8}$ plywood (rudder)
74. $\frac{1}{32}$ -inch aluminum (rudder)





ribs. Glue on LE spar 8 to the ribs. Sand this spar so it follows the contours of the ribs.

Glue on top TE sheeting 11. Insert and glue joiner 24 to ribs W3, W4, and W5. Remove the wing and pin it upside down to the building board. Place the shim under the TE. Glue bottom rear spar 6 to all the ribs. Glue on bottom TE sheeting 10.

Glue plywood shear webbing 19 between ribs W1 and W2 and webbing 20 between ribs W3-W6. Glue these webbings only to the rear side of the top and bottom main spars. Glue in fillers 3, 4, and 5 between the joiner and the top and bottom main spars. Make sure glue does not get onto the joiner between ribs W1 and W2.

Glue shear webbing 19 and 20 to the other side of the main spars. Do not glue shear webbing to joiner 24 between ribs W1 and W2. Between ribs W5 and W6, glue plywood shear webbing 20 to the rear of the main spars and balsa shear webbing 21 on the other side. Glue in 1/2-inch triangular stock 18 between ribs W1, W2, W3, and plywood webbing 19 and 20.

Glue on bottom LE sheeting 11 to the ribs and to the main spar. Glue in the aileron servo-mounting tray between ribs W9 and W10. Glue on the bottom sheeting between the LE and TE over ribs W1, W2, W3, and W4. Glue in landing-gear hardwood blocks 17. Remove the wing from the building board.

Cut the aileron from the wing. Then glue hinge spar 13 to the ribs and to rear spars 6 and 7. Glue the aileron's LE 14 to the

aileron. Cap the ends of the aileron. Glue on the bottom sheeting between ribs W9 and W10. Glue on all the capstrips. Inside the aileron, glue the 1/8 plywood plate to the sheeting to support the aileron control horn.

Wingtips: Pin ribs W12 and W13 to the building board. Glue the main and rear and LE spar to them. Make sure rib W12 is angled as shown on the drawing.

Sheet both sides. The top sheeting has a different shape from the bottom one. Refer to the drawing. Cap the end with balsa sheet 26. Glue the wingtips to the wing. Glue on LE capstrips 9. Sand the wing to its final shape.

Build the other wing half the same way. Plug each half into its center-section. Smear glue onto ribs W1 of each center-section. Join the halves and place the dihedral shim under each wingtip.

Once the halves are adhered, unplug the wing panels from the center-section. Cover both sides of the center-section with one layer of fiberglass. Pull in the extension wires for the aileron servos. Install the Y harness in the wing center-section.

Tail Surfaces: The fin and rudder are made in left and right halves. Pin fin ribs FN1, FN2, and FN3 to the building board. Pin and glue fin LE 53 and hinge spar 55 to the ribs. The hinge spar extends up into the nacelle by 1/4 inch and all the way down into the fuselage. Glue on 1/8-inch carbon-fiber tube 52 to the ribs and to the hinge spar. Notice

that this tube extends up by 1/4 inch and down 2 1/4 inches.

Glue on balsa sheeting 58 to the ribs, the LE, and the TE. Build the other half of the fin the same way.

If you are planning to have the servos in front of the fuselage, install the plastic pushrods into the fin. If you are going to have the servos inside the nacelle, install the extension cables. If your Spectra II is going to be powered by a motor, install the battery extension and ESC extension wire leads.

Insert and glue 1/4-inch carbon-fiber tube 51 to the ribs on one half of the fin, and then glue the halves together. Notice that this tube extends up by 1/4 inch and down by 3 inches, as did tube 52. Glue LE capstrip 54 to the fin and then sand the fin to its final shape.

Build the rudder in a similar fashion. Glue plywood plate 72 to the sheeting on the inside to support the rudder control horn.

Glue plywood plate 73 to the bottom of the rudder. This will be needed to hold water rudder 74. The water rudder is made from thin sheet aluminum. It must be removed when you are not flying from the water.

The stabilizer and elevator are built in left and right halves. Cut out all the ribs for those flying surfaces. Cut hinge spar 27 from 1/4 balsa sheet. Pin the hinge-spar shim to the building board. Pin hinge spar 27 to the shim. Pin the LE shim to the building board and pin LE spar 28 to the shim.

Glue stabilizer ribs S1-S6 to the LE spar and the hinge spar. Glue top sheeting 30 to the ribs and the LE and TE. Flip the stabilizer

COVERING - HARDWARE - FLIGHTLINE ACCESSORIES - BUILDING TOOLS - 2 STROKE GLOW ENGINES - 4 STROKE ENGINES - GAS ENGINES - RADIOS

LANDING GEAR - WHEELS - TURBOPUMPS - VOLTAGE REGULATORS - FLIGHT SIMULATORS - EXTENSIONS

SWITCH HARNESSSES - RADIO CASES - PILOTS - FLOATS - SPINNERS - PROPS - WOOD - ADHESIVES - BEES

www.EASTRC.org
EAST R/C

Watch' do some NIGHT FLYING?
We've got ya' COVERED!

Extreme Flight "OUTLAW" ARF's In Stock! \$149.99

25% Russian Thunder YAK-54 \$276.99

2 Color Schemes! Extreme Flight "CHINN YAK-55SP" \$159.99

Lucky 18 ARF .61 \$189.99

GO THERMAL 2 METER ARF \$71.99

SPE43 Combo \$567.99

FREE SHIPPING ON ORDERS OVER \$200

CONTACT US:
106 E. Vance St.
Zebulon, NC 27597
Ph.: (919) 404-2524
Fax: (919) 269-0977

www.EASTRC.org

FLY FOR TOYS 9/20-9/21

FAST R/C'S NEW FACILITY GRAND OPENING & OPEN HOUSE
We invite YOU! July 20th, 2008
The entire street will be closed off for our party of the year!
Olive Show, Turbo Air, JRC, JRC Demos, Food, R/C vendors and much, much more! Check out our website for full details! Fun for the entire family!

The "SPOILER" Taking Pre-Orders NOW!

Futaba **VES** **SPEKTRUM** **JR** **HANG-IT** **KTRM POWER**

BRUSHLESS MOTORS - LITHIUM POLYMER BATTERIES - ESC'S - CHARGERS - CONNECTORS - LEADS - SERVOS - HELICOPTERS - GYROS - LINKAGES

upside down and pin to the shims. Glue on bottom sheeting 30. Glue on LE capstrip 29.

Build the elevator the same way, using the same shims. Do not forget to glue the plywood plate for the elevator control horn. Glue the stabilizer and elevator halves together. Sand the stabilizer and the elevator to their final shape.

Nacelle: Cut plywood formers N1, N2, and N3. Cut out balsa sides 59 and 62. Glue the 1/2 triangular stock to the nacelle sides. Glue firewall N3 to the sides. Keep everything square.

Glue on top sheeting 60 and bottom sheeting 61. Draw the centerline of the nacelle onto the top and bottom sheeting. In the top sheeting, cut the opening for the access hatch. On the bottom, cut the openings for the LE and the hinge spar of the fin to fit in. Make openings for the wires or plastic tubes to enter the nacelle from the fin.

Make the engine cowl by gluing formers N1 and N2 to sides 62. Keep it square. Glue on top and bottom sheeting 63. Glue pre-shaped nose block 67 to the front of the cowl. Sand the nacelle and the cowl to their final shape.

Fuselage: Cut all formers and fuselage sides 35. Notice that most of the formers are in top and bottom halves. Glue longerons 31, 32, 33, and 34 to the fuselage sides. Former F1 has a 5/32-inch brass tube attached to it with thread.

Start building the fuselage upside-down. Glue bottom formers F5-F8 between the two fuselage sides 35.

Glue in formers F1-F4. Glue the rest of the formers in the back of the fuselage. Glue in keels 37 and 39 to the formers. Glue on bottom sheeting 36 to formers F1-F8 and sheeting 38 to the formers behind the step. Turn the fuselage right-side up and glue in battery floor 40.

Position the fin onto the fuselage. If you are using flexible control rods for controls, feed them through the holes in the formers and into the radio compartment. If you are using extension wires, pull them into the radio compartment.

Glue the fin to the fuselage. Make sure it is square with the sides.

Glue on wing saddles 45 to each side of the fuselage. Smear epoxy onto the wing

saddle. Place the wing on the wing saddle. Ensure that the wing panels are plugged into the center-section. Square the wing with the fuselage and let the epoxy harden.

Unplug the wing panels from the fuselage. Glue the top half of formers F7, F9, and F10 to the fuselage and the top of former F8 to the wing center-section. Insert and glue longeron 42 into the slots in these formers. Glue on top sheeting 45 between formers F7 and F10.

Glue on the top half of formers F3, F4, and F5A. Make sure former F5A is glued on the angle as shown on the drawing. Glue in top longeron 41. Glue on top sheeting 43 over formers F1-F5A. Glue balsa block 47 to the nose.

To make the canopy, place clear plastic on longerons inside the radio compartment so the glue does not stick to the fuselage when you are gluing the canopy pieces. Pin bottom frame pieces 50 to the fuselage. Glue formers F5B, F5C, F6, and F7A to frame piece 50. Glue top longeron 42 to F5C, F6, and F7A. Glue on canopy sheeting 44. Between former F5B and sheeting 44, glue in either a balsa block or a plank using balsa scraps.

The canopy is held in place with one dowel in the back and two 1/4-inch magnets embedded inside former F5A and F5B or one 1/2-inch magnet in former F5A and the other in F5B.

Sand the fuselage to its final shape. Fix the imperfections with filler. I used lightweight water-based filler.

I covered the model with iron-on material. If you are going to use a glow engine, cover the entire fuselage with fiberglass that is no heavier than 3/4 ounce per square foot, in preparation to finish with your favorite fuelproof paint.

Insert and glue in the stabilizer. Make sure it is square with the wing and the fuselage. Insert all the controls. Install the landing gear. The nose-wheel leg slides into the tubing. You can secure the steerable arm to it with the long Allen wrench. Mount the glow engine or motor.

With the glow engine, lead ballast has to be secured in the nose so the model can be balanced. If you are going to switch between glow and electric, do not glue the ballast into the nose. The electric-powered version does not need lead since the motor battery will be used to balance the model.

To secure the wing, plug the wing panels into the fuselage. Drill a 3/32-inch hole 1/2-inch into the main spar of the center-section. The tip of the drill bit should penetrate the top carbon-fiber tube of the joiner but go no deeper. You must drill the hole approximately 1 inch in from W2 ribs. Drive a self-tapping screw in place. Test the security by trying to pull out the wing panels; they must *not* move.

Cover the model with your favorite material. Install the hardware and test everything before the first flight. Check the CG; it should be located as shown, with the fuel tank empty.

Flying: When flying from the solid surface, taxi into the wind and apply full power. The Spectra II tracks straight and will rotate quickly. If balanced correctly, it will have a solid feel.

Despite the model's being short-coupled, it is not sensitive in the pitch. It can perform all basic maneuvers. Before going for landing, fly high and then try to slow the airplane until it stalls. This way you will have an idea about its low-speed behavior.

Remove the landing gear (and seal the gear sockets with matching covering or tape) when flying from water. In light wind there is no problem with steering. In a stronger crosswind, the airplane requires that the water-rudder extension be installed. You may choose to make a longer water rudder or add temporary extensions as needed.

Taxi the model into the wind. Gradually apply full power. Lift the wingtips out of the water with the ailerons. The model will lift off quickly.

The Spectra II is a delight in the air, especially without the wire gear hanging from it. The elevator's location means that it stays effective at all speeds. The large amount of side area promotes good rudder authority for point rolls. Inverted flight is well within this model's capabilities.

I hope you enjoy building and flying the Spectra II as much as I did. Good luck. **MA**

Laddie Mikulasko
7 Giffen Rd.
Dundas, Ontario
L9H 6S1
Canada

A Model
Hobby

EDGE 540

WINGSPAN: 130 IN.
FUZE: 124 IN.
WEIGHT: 44 LBS.
FUEL: 150 CC TO 200 CC
DESIGN: CHRISTOPHE PAYSANT LE ROUX
ALSO AVAILABLE FOR 5000 & 101 CC

45%

WINGSPAN: 71.02" FUZE: 78.95"
WEIGHT (WGL): 8.80-11 LBS
FUEL: 100A, 100B, 100C, 100D, 100E, 100F
DESIGN: CHRISTOPHE PAYSANT LE ROUX
WING AREA: 62.4 DM2

Osmose

- ▶ Epsilon 60
- ▶ Epsilon 60 Special Edition
- ▶ Epsilon 120
- ▶ Genesis
- ▶ Genesis 30
- ▶ Genesis W. C.
- ▶ Scandalous
- ▶ Pitts Stinker
- ▶ Extra 300 34% Chip Model
- ▶ Edge 540
- ▶ Danase
- ▶ Pass-part

NET BOX HOBBIY

(305) 278-7601
Fax: (305) 278-2230
13278 SW 131 ST. Miami, FL 33186

info@NetBoxHobby.com
www.NETBOXHOBBY.COM

ALL Versions
ARC Versions
ARF Versions

CANADA, MEXICO, CENTRAL AMERICA AND S. AMERICA ORDERS WELCOME.