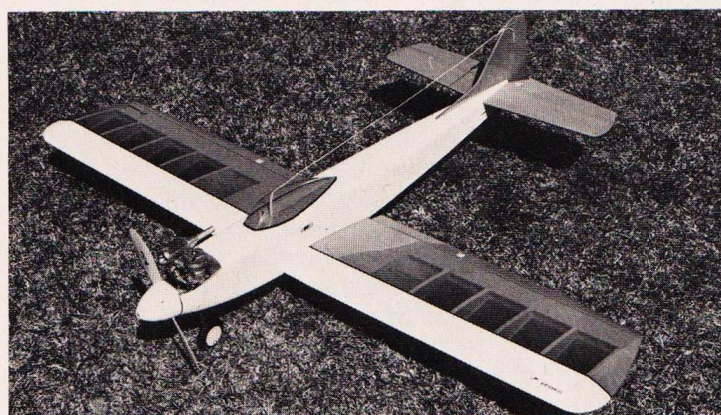
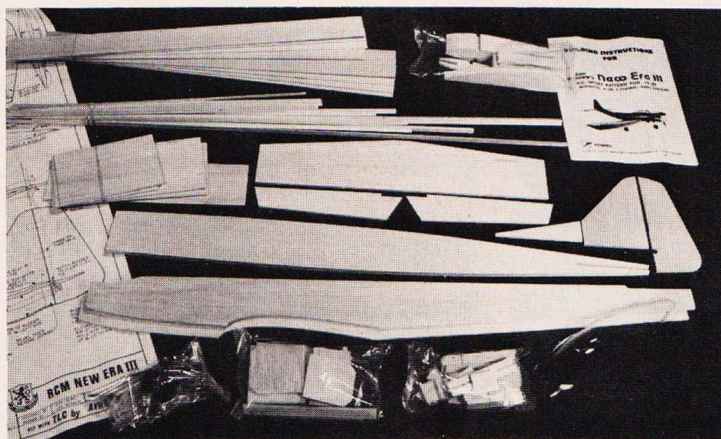


RCM PRODUCT TEST

AIRTRONICS NEW ERA III



● The New Era III is a general sport aircraft capable of the entire competition pattern and designed for engines in the .19 to .25 cubic inch displacement range. Designed by Don Dewey, and first appearing as a construction article in R/C Modeler Magazine, the New Era III has been kitted by Cox Hobbies (Airtronics), 1525 E. Warner Ave., Santa Ana, California 92702. The wing span is 44½" with a total wing area of 400 square inches. A modified NACA 2415 airfoil is used on the constant chord wing. A tricycle geared aircraft, 4 channels of control are used.

The kit is of conventional construction using balsa and plywood in the fuselage, balsa, spruce and plywood in the wing and balsa tail surfaces. Hardware included in the kit consists of hinges, control horns, bellcranks, clevises, wing hold-down screws, main and nose landing gear, engine mount, steering arm, and landing gear retainers. There is one plan sheet measuring 34" x 48" with an 8 page instruction manual, with construction photos included in the latter.

The kit features excellent machined parts and a perfectly aligned hole for the wing dowel in former #2 and a slot in the wing center rib which line up perfectly. Our prototype weighed 52 ounces ready to fly for a wing loading of 18.7 oz./sq. ft. MonoKote and B & E Quik Stripe was used for finishing. A Cox Conquest .15 R/C engine with muffler was used for power, while a Cox/Sanwa 4 channel radio provided guidance control.

There simply aren't enough superlatives to describe the high quality of this kit. It is excellent in every respect and one of the finest kits we have seen from an engineering standpoint as well as that of production of each and every item in the kit. With regards to the flight performance, the New Era III is very stable and easy to fly yet will fly the complete AMA pattern. Due to its stability, we would also recommend this aircraft as an excellent intermediate trainer for the flyer ready to step up to a higher performance aircraft. This kit is an excellent buy at \$44.95. □

IMPRESSIONS	E	G	A	F	P	IMPRESSIONS	E	G	A	F	P
Packaging	●					Pre-Shaped Parts	●				
Plans	●					Parts Match to Plans	●				
Written Instructions	●					Overall Parts Fit	●				
Quality of Hardwood	●					Ease of Assembly	●				
Quality of Fiberglass			NA			Fidelity to Scale			NA		
Other Materials	●					Flight Performance	●				
Accessories	●					Overall Appeal	●				
Die-Cutting			NA								

E=Excellent / G=Good / A=Average / F=Fair / P=Poor

SPECIFICATIONS

Name	New Era III
Aircraft Type	Sport-Pattern
Manufactured By	Cox Hobbies (Airtronics) 1525 E. Warner Avenue Santa Ana, California 92702
Mfg. Suggested Retail Price	\$44.95
Available From	Both Mfg. and Retail Outlets
Mfg. Recommended Usage	Advanced Trainer, General Sport
Wing Span	44½ Inches
Wing Chord	9½ Inches
Total Wing Area	400 Square Inches
Fuselage Length	39 Inches
Radio Compartment Dimensions	(L) 8⅞" x (W) 2½" x (H) 3"
Wing Location	Low Wing
Airfoil	NACA 2415 Mod.
Wing Planform	Constant Chord
Dihedral	1/2 Inch
Stabilizer Span	19 Inches
Stabilizer Chord (incl. elev.)	5.3" (Avg.)
Total Stab Area	100 Square Inches
Stab Airfoil Section	Flat
Stabilizer Location	Top of Fuselage
Vertical Fin Height	5½ Inches
Vertical Fin Width (incl. rud.)	7" (Max.)
Mfg. Rec. Engine Range	19-25
Recommended Fuel Tank Size	4 Oz.
Landing Gear	Tricycle
Recommended No. Of Channels	4
Recommended Control Functions	Rud., Elev. Throt., Ail.
Basic Materials Used In Construction:	
Fuselage	Balsa & Ply
Wing	Balsa, Spruce & Ply
Tail Surfaces	Balsa
Hardware Included In Kit	Very Complete
Plan Size	34" x 48" (1 sheet)
Building Instructions on Plan Sheets	No
No Instruction Manual	Yes (8 pages)
Construction Photos	Yes
Kit Includes	Shaped Parts
Mfg. Rec. Flying Weight	48-54 Ounces
Wing loading based on rec. flying wt.	18 oz./sq. ft.

RCM PROTOTYPE

Weight, Ready To Fly	52 Ounces
Wing Loading	18.7 oz./sq. ft.
Covering & finishing materials used	MonoKote, K & B, B & E
Engine Make & Disp.	Cox Conquest .15 RC
Muffler Used	Yes
Radio Used	Cox/Sanwa
Tank Size Used	4 Ounce