

FLYING REPORT



With the trade...

Product Notes

DODGSON DESIGNS, 2904 So. West Camano Drive, Camano Island, WA 98292, is expecting a March 1, 1974, availability date on their new "Maestro" sailplane kit. The "Maestro" is a ship designed to excel in thermal competition, be it precision time with spot landings, thermal duration, speed events or any combination of these. In order to accomplish this, the "Maestro" has the most advanced controls available and incorporates the latest aerodynamic design principles. It features flaperons which employ the flaps as camber-changing devices and as ailerons. The camber can be changed from minus-five degrees to a positive 30-degrees. When the flaps are deployed beyond 20-degrees to 30-degrees, the spoilers are automatically opened. This combination of flaps and spoilers gives infinite glide path control for spot landings or just losing altitude. The spoilers are spring loaded and are connected to the flap servo by dacron string and a nylon tube. This installation is simple, light weight, effective, dependable and easily connected and disconnected for wing installation and removal.

The flaperons are four feet long per panel and are stress relieved in the center to prevent them from binding when the wing flexes under stress. The instant-connect linkage to the flaperons is the same telescoping type used on the "Todi" where it proved to be positive and reliable. The ailerons and flaps are coupled by the Dodgson C-1 Coupler which is comprised of a rigid tempered aluminum frame and two large nylon cranks. This coupler will not flex or come apart under load as present

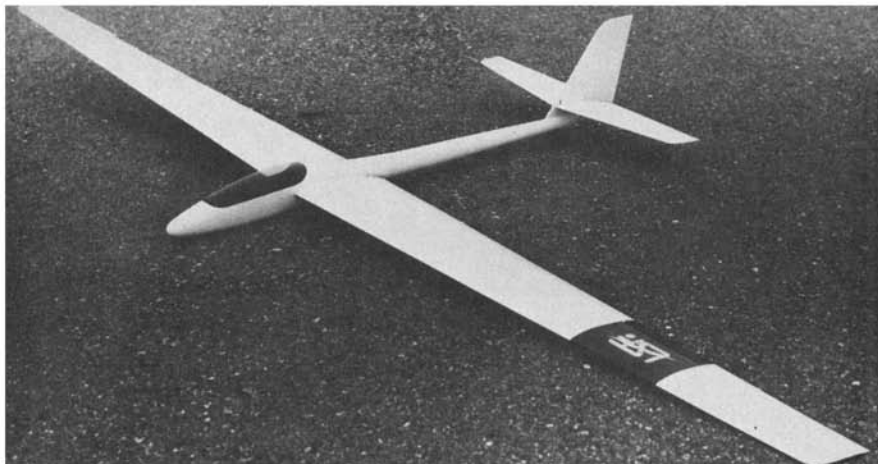
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FLYING MODELS

MARCH 1974

The basic dimensions of the "Maestro" is a 132" wingspan, 990-sq. in. wing area, aspect ratio 18:1 and weight of 48 ounces for a wing loading of seven ounces per square foot. The wings feature spruce spars top and bottom with pre-cut balsa fillers between them, machined plywood and balsa ribs with $\frac{3}{32}$ " balsa sheeting. Wings are attached to the fuselage by two music wire wing joiners. The stab and rudder are machined from $\frac{1}{4}$ " contest balsa with trailing edge taper pre-cut. The fuselage pod is molded and joined fiberglass with plywood reinforcer already installed at the points where the music wire wing joiners enter the fuselage and at the point where the flaperon linkage exits. The tail boom is pre-rolled from $\frac{3}{32}$ " balsa and is ready to receive the vertical fin.

Slow, low-sink thermal flying is possible due to the "Maestro's" light wing loading and its ability to produce an undercambered wing section. Fantastic glide ratio, penetration and high speed performance are possible due to its high aspect ratio, its thin airfoil (8.5% thick) with an upswept leading edge and its ability to go to negative flap just like the full sized sailplanes. The "Maestro's" projected retail price is \$89.00 and will include all specialized hardware. A two and three channel version with optional spoilers included (no flaperons) will retail for \$79.00.



Dodgson Designs' "Maestro"

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B. 5 CHANNEL

It's the famous Heathkit "Full House" System. With GDA-19-1 Kraft-stick solid-state Transmitter with battery and charging cord, GDA-19-2 Receiver, GDA-19-3 Receiver Battery Pack, and four GDA-19-4 Standard Servos. Order the whole package for just **\$199.95***.

C. 8 CHANNEL

You select either Single Stick (GDA-405-S) or Dual Stick (GDA-405-D) Transmitter with your Heathkit 8-Channel System. Includes GDA-405-2 Receiver, GDA-405-3 Battery Pack, and any four servos (either GDA-405-44 Miniature or GDA-505-44 Sub-Mini). Heathkit 8-Channel Systems include all batteries. Complete Single Stick System, **\$269.95***. Dual Stick System, **\$249.95***.

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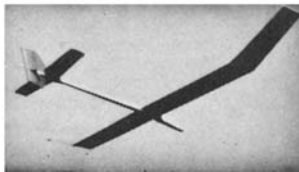
RC-105

Carstens Flying plans

SAILPLANES

- CF-1 SPOTTER.** A/2 Nordic with 79" two piece wing. By Joe Bilgri. FM 4-65. \$3.00
- CF-14 SEAGULL.** Giant 84" wingspread soarer R/C with supplementary .09-.15 power. Don McGovern. FM 8-62. \$5.00
- CF-16 THERMAL QUEEN.** Radio control soarer uses Eppler 385 airfoil. 144" span with light wing loading. By Carl Lorber. FM 11-70. \$3.00
- CF-20 LIL T.** R/C 74" glider, rudder only with T tail. By Bob Hahn. FM 6-65. \$4.00
- CF-34 SCHWEITZER I-26.** R/C 1/6 scale glider with '67 sport canopy. By Dan Lutz. FM 4-66. \$4.00
- CF-41 SPECTRE WING.** R/C flying wing Thermal soarer with power assist. 15.92". By McGovern. FM 6-66. \$2.50
- CF-44 CASTAWAY.** By Joe Bilgri. FM 7-66. \$2.50
- CF-46 SLINGSBY SKYLARK 4.** 119" span, high aspect ratio. R/C slope or thermal. Ira Achey. FM 8-66. \$4.00
- CF-65 FOAMIN'S BAT WING.** R/C modern foam wing soarer. By Rolf McPherson. 72" span. \$3.00
- CF-69 BONG BOOMER.** FAI R/C glider, one time world record altitude holder. Maynard Hill. 136". FM 2-67. \$4.00
- CF-70 THUNDERHEAD.** 54" span towline trainer. By Don McGovern. \$1.25
- CF-88 SOAR SAM.** A/1 Nordic for NATS, etc. 48" span. By Bill Dunwoody. FM 7-67. \$2.00
- CF-92 1931 NORTHRUP PRIMARY TRAINER.** 72" span. R/C glider. By Walt Kessler. FM 8-67. \$3.00
- CF-99 PEREGRINE.** 89" span A/2 Nordic with fibreglass fishing rod fuselage. By Ken Whiting. FM 10-67. \$2.00
- CF-101 RAINBOW.** 100" span R/C power & boom design with power assist. 15 mil. FM 12-67. McGovern. \$3.50
- CF-102 HYPODERMIC NERDEL.** A/2 Nordic with 47" span. By D. Mathis. FM 12-67. \$3.00
- CF-108 LA MILA.** '66 NATS winner. Hand launched. By Maj. Mel Allen. FM 2-68. \$1.25

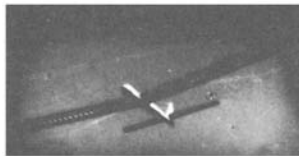
- F-112 DANCER.** R/C glider, pod and boom, V tail soarer for thermals. FM 3-68. By Carl Lorber. \$4.00
- CF-118 ENLWOT.** A/1 Nordic easy to build with underslung rudder. By Dick Mathis. FM 4-68. \$1.25
- CF-120 AMERICAN CROW.** A/2 Nordic. 77" wing. Different approach to competition model. Mathis. FM 5-68. \$2.00
- CF-127 NORDIC EXTRA LARGE.** 113" span. Pod with fibreglass boom. By Chet Lanzo. FM 7-68. \$3.00



- CF-139 MOLLYMAWK.** Superstreamlined 108" R/C thermal soarer. Carl Lorber. FM 10-68. \$3.00
- CF-142 PTERODACTYL.** Hand launch lightweight glider. 20" span. By Tom Peadon. FM 11-68. \$1.25
- CF-148 TRI-BELLE.** RC glider; slope, thermal, power. 105" span. By Marley Michaelis. FM 1-69. \$3.50
- CF-152 TUMBLEWEED.** A/2 Nordic. 74" two-piece wing for windy weather. By Dick Mathis. FM 2-69. \$2.00
- CF-166 GAGGLER.** R/C soarer 117" span. Pod and boom design. By Carl Lorber. FM 11-69. \$3.00
- CF-169 MISKEE.** 149" R/C glider with fibreglass fuselage. By Harley Michaelis. FM 7-69. \$3.50
- CF-176 SCARAB A/2.** Nordic FF with 79" span. Fibreglass fishing rod fuselage. By Dick Mathis. FM 10-69. \$2.00
- CF-179 U S KID, ZING, FLASH.** Three hand launched 18" gliders by Bays, Mathis, Peadon. Great fun. FM 7-70. \$3.00

- CF-189 INVADER.** 15-.35 powered sailplane 73-1/2" wing. By Gene Rogers. FM 4-70. \$3.00

- CF-201 PRANCER.** 12" R/C thermal or slope soarer with fibreglass fuselage. By Carl Lorber. FM 2-71. \$4.50
- CF-205 HYSTERIA 1000.** Class C FF 84". 40. 1000 sq. in. wing area. By Mathis. FM 3-71. \$7.00
- CF-207 GOB.** A/1 Nordic with Jedelsky type construction. By Mel Allen. FM 4-71. \$2.00



- CF-208 SABRE SOAR.** 125" span R/C soarer. Eppler 385 airfoil. By Neil Liptak. FM 4-71. \$3.50
- CF-209 ATHENA.** 80" span Nordic A/2. Glass fuse. Open class winner '66 NATS. Roger Simpson. FM 3-67. \$2.00
- CF-233 LEAD ZEPPELIN.** Sloop A/2 Nordic free flight, 88" span. Tom Hutchinson. FM 8-71. \$2.00
- CF-243 YANKEE SOAR.** 16 ft. span makes it easier to find thermals. Neil Liptak's R/C soarer. FM 10-71. \$4.50
- CF-244 GAMBIT.** A/2 Nordic. Benedek 7457 airfoil, fibreglass rod fuselage. By Kit Bays. FM 11-71. \$2.00
- CF-250 POACHER.** A/2 Nordic FF. 77" span. A beautiful soarer. By Don Chancey. FM 1-72. \$2.00
- CF-264 THERMAL HOPPER.** 120" span FAI R/C sailplane. British design with rudder, elevator, spoilers/towhook controls. Geoff Dallimer. FM 6-72. \$3.50
- CF-275 QUASOAR.** R/C soarer with 146" wingspan. By Neil Liptak. FM 9-72. \$6.00
- CF-276 SPIRIT OF FREEDOM.** Graceful 118" radio controlled soarer. Harvey Michaelis. FM 10-72. \$3.50
- CF-280 ILLUSION.** 120" span R/C wing soarer for towline, winch, slope. Hal Cover. FM 11-72. \$5.00
- CF-292 BANZAI.** Giant 50" span catapult glider by Mike Atwood. Free flight. FM 3-73. \$3.50
- CF-306 UNDERDOG.** Handlaunch glider design by Harry Kruse. 19" span. FM 8-73. \$1.50
- CF-314 THERMUS.** Catapult glider. 36" span. Bob Adair. FM 11-73. \$1.50
- CF-317 LONG ISLANDER.** R/C soarer for slope or thermal 100" span. Bob Aberle. \$3.50

