



Harland Ross completed his two-place R-6 in 1956. It has the same wing as Ross originally built for the RJ-5 so it is one of the heaviest wing loaded sailplanes in the world. It has dive brakes and a take-off dolly. The passenger sits aft of the spar under a re-

movable bubble. In 1958 Ross used it to set world multiplace records in all 3 speed categories and the National G&R record of 234.66 mi. Colored white. EXP.

References: WS-II, p. 239, S-O 58, p. 2, story

ROSS R-6 N34H

SPECIFICATIONS

Span 55 ft.
Area 125 sq. ft.
Aspect ratio 24.2
Airfoil NACA 63 (2)-615
Empty weight 662 lb.
Payload 564 lb.
Gross weight 1226 lb.
Wing loading 9.8 lb./sq. ft.
Structure: all-metal.

PERFORMANCE

L/D max 40 @ 66 mph
Min. sink 2.35 fps @ 60 mph
6-fps sink @ 100 mph

of speed record flights; 10-60 p. 4, story of 365-mi. flight; 10-61, p. 2, photo.

PERL PG-130 PENETRATOR N8146H

SPECIFICATIONS

Span 48 ft.
Area 130 sq. ft.
Aspect ratio 17.75
Airfoil Go 549
Empty weight 480 lb.
Payload 200 lb.
Gross weight 680 lb.
Wing loading 5.23 lb./sq. ft.
Structure: wood/fabric wings and tail, wood fuselage.

PERFORMANCE

L/D max 33 @ 52 mph
Min. sink 2.1 fps @ 44 mph

OTHER

Designer Harry Perl
References: WS-I, p. 189; S-O 53, p. 21, photo, news item; M-A 54, p. 2, article, specs, 3-view.



Photo by Pete Bowers

Harry Perl of Livermore, Calif., completed his Penetrator in 1953. It features an all-moving tail, styrofoam-filled leading edge

and dive brakes. It had a take-off dolly but is now having a fixed wheel installed. EXP.



Photo by Rose Marie Licher

Wade Steinruck of Spring Valley, Calif. completed his SCS-1 in 1959 after many years of spare-time work. It features a vee tail, spoilers in aft of canopy hatch and a 3-

piece wing. Polished metal finish with orange canopy and orange and black wing tip stripes. EXP.

STEINRUCK SCS-1 N32K

SPECIFICATIONS

Span 44 ft.
Area 132.5 sq. ft.
Aspect ratio 14.6
Airfoil NACA 33012
Empty weight 314 lb.
Payload 236 lb.
Gross weight 550 lb.
Wing loading 4.15 lb./sq. ft.
Structure: all-metal.

PERFORMANCE

L/D max 30 @ 55 mph
Min. sink 2.2 fps @ 45 mph

OTHER

Designer A. C. Cordas
References: 7-59, p. 13, photo, specs.

WHIGHAM GW-1 N343L

SPECIFICATIONS

Span 44.5 ft.
Area 107 sq. ft.
Aspect ratio 18.5
Airfoil NACA 23018
Empty weight 340 lb.
Payload 200 lb.
Gross weight 540 lb.
Wing loading 5 lb./sq. ft.
Structure: all-metal.

PERFORMANCE

L/D max 29 @ 55 mph

OTHER

Designer Eugene Whigham



Photo by Gene Whigham

References: 7-60, p. 10, photo, specs; 3-61, p. 7, photo; 10-61, p. 13, photo.

Gene Whigham of San Diego, Calif., first flew his GW-1 in 1959 with a span of 40 ft. Wing tips were added in 1961 giving it a

44.5-ft. span. It features a constant-chord wing with 25%-chord flaps of 22-ft. span, and a fiberglass nose. It made a Diamond goal flight in 1962. Colored yellow. EXP.