





The 1-20 in its final colours, awaiting launch.

cockpit. Jim found the cockpit very tight for a tall man, but was able to outclimb all the other sailplanes in thermals. Jim made his five-hour Silver C duration flight over Harris Hill in May 1958, and attempted several times to do his 50 km Silver distance, but always fell short. He changed the glider's name to *Blue Auk* and had a suitable emblem painted on the nose by artist Dale Gustin. Jim flew a total of 45 hours in the *Auk*, an average flight time of about 46 min. The *Auk* was later sold to Dave Welles, who achieved a 300 km Gold distance in this 1-20. The nose was lengthened to accommodate him, which required the fabric with the painted emblem on it to be removed. A quarter of a century later Dave Welles presented to Jim Gray the original piece of fabric carrying the *Blue Auk* emblem, and it is carefully preserved at Jim's home in Arizona. Two of the type are still flying in the U.S.A.

Schweizer SGU 1-20

Total number built: 2 (plus some 1-19s converted to 1-20 standard)

Specification		
Span	43 ft	13.1 m
Length	20.9 ft	6.38 m
Wing area	182 ft ²	16.90 m ²
Aspect ratio	10.15	
Aerofoil section	NACA 43012A	
Empty weight	385 lb	175 kg
Pilots	220 lb	100 kg
Flying weight	605 lb	275 kg
Wing loading	3.32 lb/ft ²	16.9 kg/m ²
Estimated best L/D	16:1 at 43 mph	69 km/h
Minimum rate of sink	3.1 ft/sec at 35 mph	0.94 m/sec at 56 km/h