



THE BESSON H5 QUADRUPLANE FLYING BOAT : Side view, in which an idea of its proportions may be obtained by comparison with the figures and the Nieuport machine in the foreground.

tractor screws, are placed well forward; whilst the rear ones driving pusher screws, are nearly in line with the trailing edges of the rear pair of planes. Four Lamblin radiators are employed for cooling, and are mounted on the nacelle, one on each side under the third plane.

During the tests at St. Raphaël the Besson Quadruplane, which weighs, fully loaded, just over 10 tons, took off after a run of some 500 yards, and gave a speed of 81 m.p.h. with full load. The longitudinal stability was found to be good.

The principal characteristics of the Besson H5 are:—

Span	95 ft.
O.A. length	68 ft. 11 ins.
O.A. height	23 ft.
Chord	6 ft. 10 ins.

Gap (approx.)	5 ft. 6 ins.
Area of main planes	2,744 sq. ft.
Area of stabiliser	161.5 sq. ft.
Area of variable incidence	53.8 sq. ft.
Area of elevator	86 sq. ft.
Area of fins	57 sq. ft.
Area of rudder	34.4 sq. ft.
Area of aux. rudders	27 sq. ft.
Weight (full load)	10 tons
Weight/h.p.	22 lbs.
Weight/sq. ft.	8.2 lbs.
Speed	81 m.p.h.
Duration	6 hrs.
Fuel capacity (6 hrs.)	400 galls.
Oil capacity	26 galls.



Boy Scouts and Aviation

SPEAKING at a Dinner at the Authors' Club on Monday last—when Major Lord Hampton, Chief Commissioner of the Boy Scouts, was the principal guest—General Sir William S. Brancker said the Boy Scout movement was our greatest bulwark against Bolshevism, anarchy, and Communism. It sought to educate every section of the population, and it taught patriotism, the value of discipline, and of law and

order, self-reliance, independence, freedom, and right living in the individual. The Boy Scouts, he thought, might be brought into closer touch with aviation. There were aerodromes in several parts of the country, and he suggested that the Boy Scouts should be told that where such places existed the people in charge would help them in every way, would show them everything they could, and give them joy-rides. Boy Scouts and Aviation would thus help each other.



An A.D.C. Modification : This D.H.9 has been altered considerably by the Aircraft Disposal Company, and among other changes will be observed the substitution of Lamblin radiators for the usual nose radiators.