

Propeller : For the sake of distinction we prefer to reserve this term for screws which push the aeroplane, thus leaving the term :—

Screw : For a device which pulls the machine (tractor-screw) or exerts a lifting effect (lifting-screw). In French, the term *hélice* applies to a propeller in any position.

Hangar : The French term for the shed or aeroplane garage.

Aerodrome : A field or place set apart for the practice of flight.

Arched : This term denotes that the long edge of a plane or wing which is at right angles to the direction of the machine's motion, is curved, so that the extremities of the plane, or the tips of the wings, sweep downwards.



Cambered : This term denotes that the plane or wing has a curved transverse section. In practice, every flexible aeroplane surface becomes more or less cambered under the air pressure, but many are made so initially.



Inclination : The inclination of a plane is its angle to the horizontal. When a plane is very wide in proportion to its spread, its inclination sometimes differs from point to point, which gives it a cambered appearance.



Spread, Span : Synonymous terms denoting the linear dimension of the front edge of a main supporting plane or pair of wings, *i.e.*, the distance from tip to tip, measured transversely to the direction of flight.

Width : The width of a plane is the distance from the front edge to the rear edge, measured in the line of flight.

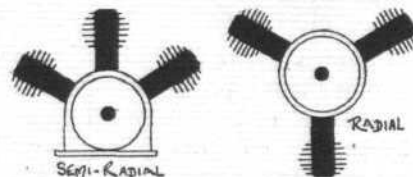
Length : This term is applied to the machine as a whole and not to the planes. It is a dimension measured from the nose to the tail.

Gap : The distance between two superposed planes measured vertically.

Dihedral : Term denoting that the planes or wings are arranged V fashion. The early Santos Dumont machines were dihedral biplanes.



Semi-radial Engines : Engines which are of the radial type, but have all their cylinders arranged within a half-circle.



Tilt and Dip : Tilt implies that an edge has been moved upwards from its initial position; dip implies the contrary.

AERO CLUB OF THE UNITED KINGDOM.

OFFICIAL NOTICES TO MEMBERS.

Committee.

The following members have been nominated up to date for the nine vacancies on the Committee :—

Griffith Brewer.	Frank McClean.
Major C. de W. Crookshank.	C. A. Moreing.
John Dunville.	C. F. Pollock.
Capt. A. H. W. Grubb.	J. Lyons Sampson.
Prof. A. K. Huntington.	Stanley Spooner.

Any two members of the Club can nominate a member to serve on the Committee, having previously obtained such member's consent. The name of such member so nominated, with the names of his proposer and seconder, must be sent to the Secretary, in writing, on or before Saturday, 27th February, 1909.

Gordon-Bennett Balloon Race, 1909.

Members are reminded that entries close on March 1st, 1909. The rules were published in the official notices of January 30th.

Gordon-Bennett Aviation Cup.

Members are reminded that entries close on Feb. 27th, 1909. Full particulars will be found in the official notices of February 6th, 1909.

Aero Exhibition at Olympia.

The Aero Exhibition at Olympia, held by the Society of Motor Manufacturers under the auspices of the Aero Club of the United Kingdom, will take place in March, opening on the 19th and terminating on the 27th. Members of the Aero Club will be admitted free on production of their Aero Club membership cards. A room will be placed at the disposal of the members during the Exhibition.

Free space will be granted to non-trade members of the Aero Club and the Aero Club League for exhibiting

their machines, and applications should be made as early as possible to the Secretary of the Aero Club, 166, Piccadilly, London, W.

Model Flying Machines at Olympia.

It is proposed to organise an exhibit of model flying machines at Olympia in connection with the Aero Exhibition in March. Those desirous of exhibiting are requested to communicate with the Secretary of the Aero Club, 166, Piccadilly, London, W., as soon as possible. Money prizes, medals, and diplomas will be awarded by the Aero Club of the United Kingdom. Free space will be given to exhibitors.

Reading Room for Members.

A number of members are possibly not aware that the Club have a reading room at 166, Piccadilly. Papers dealing with aviation are placed at the disposal of the members, and the Committee are taking steps to form a library.

Balloon Photographs.

A Silver Medal will be awarded for the best eight sets of photographs taken by a member from a balloon during the year 1908. Members are requested to forward the photographs to the Secretary by March 31st, 1909.

New Members.

The following new members have been elected to the Aero Club :—

George S. Barwick.	John Kennedy, J.P.
R. A. Collingwood.	Col. F. G. Stone, R.A.
Eric Hartridge.	

HAROLD E. PERRIN,

Secretary.

The Aero Club of the United Kingdom,
166, Piccadilly, W.