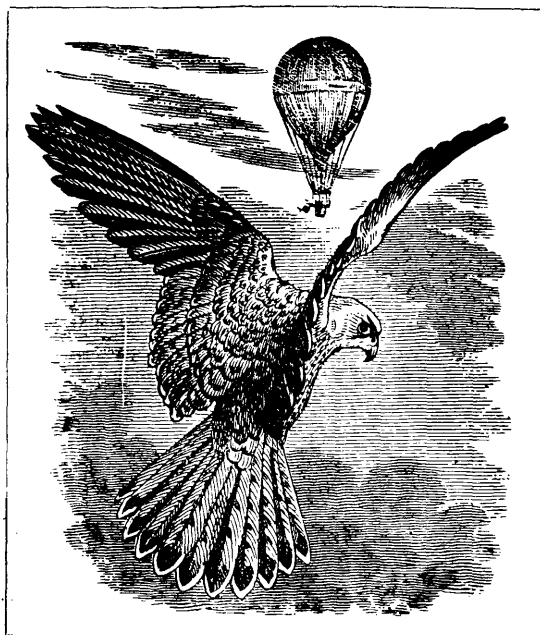


# THE AËRONAUTICAL JOURNAL



*Edited for the Council of the Aëronautical Society of Great Britain.*

By ERIC STUART BRUCE, M.A. Oxon, Fellow of the Royal Meteorological Society.

No. 23.

JULY, 1902.

VOL. VI.

*All Rights Reserved.]*

## Contents.

	PAGE.
NOTICES OF THE AËRONAUTICAL SOCIETY .. .. .	39
AËRONAUTICS AND PEACE .. .. .	40
THE FATAL ACCIDENT TO "LE PAIX. ( <i>Illustrated</i> ) .. .. .	40-41
RECENT LECTURES ON AËRONAUTICAL SUBJECTS AT THE SOCIETY OF ARTS—	
1. SCIENTIFIC OBSERVATIONS AT HIGH ALTITUDES. By the Rev.	
J. M. BACON .. .. .	40
2. "THE USE OF BALLOONS IN WAR." By Mr. ERIC STUART	
BRUCE, M.A. .. .. .	43
THE MELLIN AIRSHIP. ( <i>Illustrated</i> ) .. .. .	44 & 45
THE BERLIN CONGRESS OF THE INTERNATIONAL AËRONAUTICAL COM-	
MISSION—	
1. ASCENTS TO EXTREME HEIGHTS—	
(1). "PROFESSOR CAILLETET'S NEW APPARATUS FOR IN-	
HALING OXYGEN" .. .. .	46
(2). "THE RECENT HIGH BALLOON ASCENT OF DR.	
SÜRING AND DR. BERSON" .. .. .	46
(3). "THE PHYSIOLOGY OF ASCENTS" .. .. .	47
(4). ORNITHOLOGICAL OBSERVATIONS FROM BALLOONS ..	47
2. THE MEASUREMENT OF ELECTRICITY IN THE AIR .. .. .	47
3. THE BALLON-SONDES EXPERIMENTS .. .. .	48
4. THE HARGRAVE FLYING MACHINE.. .. .	48
NOTES.—NEW AËRONAUTICAL INSTRUMENTS—THE VARIATION OF TEM-	
PERATURE WITH HEIGHT — THE APPLICATION OF BALLOONS AND	
KITES TO WIRELESS TELEGRAPHY—THE ST. LOUIS AIRSHIP COM-	
PETITION — THE SHEFFIELD FATAL PARACHUTE ACCIDENT — THE	
COLLAPSE OF THE NO. VI. SANTOS DUMONT BALLOON .. .. .	49-51
FOREIGN AËRONAUTICAL PERIODICALS .. .. .	51-52
NOTABLE ARTICLES .. .. .	52
APPLICATIONS FOR PATENTS .. .. .	53

LONDON :

PUBLISHED BY THE AËRONAUTICAL SOCIETY OF GREAT BRITAIN, AND PRINTED BY  
KING, SELL & OLDING, LTD., LONSDALE CHAMBERS, 27, CHANCERY LANE, W.C.

# THE AERONAUTICAL JOURNAL.

## BACK NUMBERS.

In reply to numerous enquiries, back numbers of the AERONAUTICAL JOURNAL may be obtained from the Publishers, Messrs. KING, SELL AND OLDING, LTD., Gough Square and Bolt Court, Fleet Street, London, E.C.

*The following is a list of Articles of special interest which have appeared in the AERONAUTICAL JOURNAL:—*

**THE DEATH OF LILIENTHAL.**—January, 1897.

**FLYING MACHINES:** Lecture by the late Mr. P. S. PILCHER.—April, 1897.

**LANGLEY'S FLYING MACHINE** (Illustrated).—July, 1897.

**KITES: their Theory and Practice,** by Major B. F. S. BADEN-POWELL.—April, 1898.

**EXPERIMENTAL SOARING,** by the late Professor G. F. FITZGERALD, F.R.S.

**THE ZEPPELIN AIRSHIP** (Illustrated), by Major B. F. S. BADEN-POWELL.—October, 1899.

**FATAL ACCIDENT TO MR. PILCHER** (Illustrated).—October, 1899.

**THE BALLOON AT THE FRONT.**—January, 1900.

**ON FORMS OF SURFACES IMPELLED THROUGH THE Air, and their Effects in Sustaining Weights** (with Diagrams), by F. H. WENHAM, C.E.

**THE ZEPPELIN AIRSHIP,** by Sir HIRAM S. MAXIM.—October, 1900.

**PORTABLE ELECTRIC BALLOON SIGNALLING IN War,** by ERIC STUART BRUCE.—October, 1900.

Special Illustrated . . . . .

Paris International Aeronautical Congress Number,

. . . . . January, 1901.

CONTAINING AMONGST OTHER ARTICLES:—

THE PRESIDENTIAL SPEECH.

THE SECTIONAL SUBJECTS AT THE PARIS CONGRESS.

M. SANTOS DUMONT'S NAVIGABLE BALLOON, by a Member of the Paris Aéro-Club (Illustrated).

THE VINCENNES COMPETITIONS, by HELEN AUXILIUM BRUCE (Illustrated).

SOME CELEBRITIES OF THE PARIS CONGRESS:

1. M. JANSSEN (Portrait).
2. MAJOR F. C. TROLLOPE (Frontispiece).
3. M. WILFRED DE FONVIELLE (Portrait).
4. M. JACQUES FAURE.
5. M. LOUIS TRIBOULET (Portrait).