The British Association for the Advancement of Science:
Vision in Nature and Vision Aided by Science; Science and Warfare: LORD RAYLEIGH 175
Scientific Events:
Agricultural Research at Rothamsted; Research Laboratories Authorized by the Agricultural Ad-
justment Act; Sylvatic Plague Laboratory of the University of California; The Scripps Institution
for Medical Research; The Semi-Centennial Meeting of the Geological Society of America; Recent
Deaths 181
Scientific Notes and News 184
Discussion:
An Algonkian Jellyfish from the Grand Canyon of the Colorado: PROFESSOR NORMAN E. A. HINDS.
A Rainbow at Night: PROFESSOR A. K. LOEBEK.
A New Locality for the Venus' Flytrap (Dionaea muscipula): AUSTIN H. CLARK 186
Scientific Books:
Tray Agriculture: JEROME ALEXANDER 188
Special Articles:
Isolation of a Filtrable, Transmissible Agent with "Neurolytic" Properties from Toxoplasma-in-
fected Tissues: DR. ALBERT B. SABIN. Intercel-
lular Wound Hormones Produced by Heteroauxin:
DR. JOHN R. LOOPOUBROW and SISTER CECILIA
MARI DwyER. Changes in Wheat Metabolism
Caused by Powdery Mildew: PAUL J. ALLEN and
PROFESSOR DAVID R. GODDARD 189
Scientific Apparatus and Laboratory Methods:
A Practical Bellows Recorder: DR. WALTER L.
MENDEHALL. "Props" for Cover Glasses:
HERTHA M. CORDTS 193
Science News 8

SCIENCE: A Weekly Journal devoted to the Advance-
ment of Science, edited by J. McKeen CATTELL and pub-
lished every Friday by
THE SCIENCE PRESS
New York City: Grand Central Terminal
Lancaster, Pa. Garrison, N. Y.
Annual Subscription, $6.00 Single Copies, 15 Cts.

SCIENCE is the official organ of the American Associa-
tion for the Advancement of Science. Information regard-
ing membership in the Association may be secured from
the office of the permanent secretary in the Smithsonian
Institution Building, Washington, D. C.

VISION IN NATURE AND VISION AIDED BY
SCIENCE; SCIENCE AND WARFARE!

By The Rt. Hon. LORD RAYLEIGH
PRESIDENT OF THE ASSOCIATION

I. VISION, AND ITS ARTIFICIAL AIDS AND
SUBSTITUTES

The last occasion that the British Association met at
Cambridge was in 1904, under the presidency of my
revered relative, Lord Balfour, who at the time actually
held the position of Prime Minister. That a Prime
Minister should find it possible to undertake this addi-
tional burden brings home to us how much the pace
has quickened in national activities, and I may add,
anxieties, between that time and this.

Lord Balfour in his introductory remarks recalled
the large share which Cambridge had had in the develop-
ment of physics from the time of Newton down to

1 Address of the President of the British Association
for the Advancement of Science, Cambridge, August, 1938.

that of J. J. Thomson and the scientific school centered
in the Cavendish Laboratory, "whose physical specu-
lations," he said, "bid fair to render the closing year
of the old century and the opening ones of the new as
notable as the greatest which have preceded them."
It is a great pleasure to me, as I am sure it is to all
of you, that my old master is with us here to-night, as
he was on that occasion. I can say in his presence
that the lapse of time has not failed to justify Lord
Balfour's words. What was then an intelligent antici-
patation is now a historical fact.

I wish I could proceed on an equally cheerful note.
The reputation of the scientific school in the Cavendish
Laboratory has been more than sustained in the inter-
val under the leadership of one whose friendly pres-