



EDWARD EMERSON BARNARD, 1857-1923

*From photograph made in 1917 by Harris & Ewing  
Washington, D. C.*

# JOURNAL

(Formerly Transactions)

OF THE

Tennessee Academy of Science

EDWARD EMERSON BARNARD  
MEMORIAL NUMBER

VOLUME III, NUMBER 1



JANUARY, 1928

PUBLISHED QUARTERLY

Entered as second-class matter February 13, 1926, at the postoffice at Nashville, Tennessee, under the Act of August 24, 1912.

Published quarterly, in January, April, July and October, by the Tennessee Academy of Science at Nashville, Tennessee.

The Journal is sent to all members not in arrears for dues. The subscription price is \$1.00 a year, invariably in advance. Single copies 25c.

# THE JOURNAL

OFFICIAL ORGAN

OF THE

## Tennessee Academy of Science

FOUNDED 1912, AT NASHVILLE, TENN.

AFFILIATED WITH

AMERICAN ASSOCIATION FOR THE ADVANCEMENT  
OF SCIENCE

---

---

### OFFICERS

DR. W. S. LEATHERS, *President*, Vanderbilt University, Nashville  
DAVID W. CORNELIUS, *Vice-President*, University of Chattanooga, Chattanooga  
G. R. MAYFIELD, *Editor*, Vanderbilt University, Nashville  
J. T. MCGILL, *Secretary-Treasurer*, Vanderbilt University, Nashville

### EDITORIAL STAFF

G. R. MAYFIELD, *Editor*  
H. A. WEBB, *Associate Editor*

WM. LITTERER, Nashville  
WYMAN R. GREEN, Chattanooga  
H. M. JENNISON, Knoxville  
LATIMER WILSON, Nashville  
R. A. BLISS, JR., Memphis  
J. MONTGOMERY FARRAR, Nashville

} *Assistant Editors*

---

---

All articles and communications for publication, books and publications for notice, and exchanges should be addressed to the Editor.

New subscriptions, changes of address, and applications for membership should be addressed to the Secretary. Personal items, news of events in the scientific world, and other notes suitable for our "Notes Here and There" department may be addressed to the Editor or Secretary.

---

---

### CONTENTS

	PAGE
Edward Emerson Barnard Memorial Number.....	3
Annual Meeting of the Tennessee Academy of Science.....	5
Papers and Letters Read at the Joint Session.....	8
Barnard at Vanderbilt University Observatory.....	15
Barnard at the Lick Observatory.....	18
Reminiscences of Edward Emerson Barnard.....	21
Associations with Mr. Barnard.....	23
With Barnard at Yerkes Observatory and at the Sumatra Eclipse.....	25
Some Personal Reminiscences.....	28
Edward Emerson Barnard.....	32
Contributors to Fund for Barnard Memorial Issue of the JOURNAL.....	57
Announcement of Spring Meeting.....	58