

systems of industrial organization. Robert E. Moritz treats of 'The Sherman Principle in Rhetoric and its Restrictions,' and Elizabeth M. Howe of 'Educational Endowments in the South,' showing how small they are, the reasons for this condition and some of the educational needs of the southern states. J. A. Fleming presents the fifth of his series of papers on 'Hertzian Wave Wireless Telegraphy.' The number contains the index to Volume LXIII.

*The American Naturalist* for August contains the second paper by A. W. Grabau on 'Studies of the Gastropoda' and is devoted to *Fulgur* and *Syncotypus*, comprising an account of their development, the succession of their species in time and genetic affinities. Arthur D. Howard has a paper 'On the Structure of the Outer Segments of the Rods in the Retina of Vertebrates' and Edwin W. Doran discusses the 'Vernacular Names of Animals' and propounds a set of rules for the systematic writing of compound names.

A MONTHLY *Journal de chimie et physique* has been started at Geneva under the editorship of Professor P. A. Guye.

#### DISCUSSION AND CORRESPONDENCE.

##### THE FIFTH SATELLITE OF JUPITER.

TO THE EDITOR OF SCIENCE: Will you permit me to call attention to a misstatement in SCIENCE, on page 376, second column, undoubtedly unintentional, and at the same time easy of correction. The observations of the fifth satellite of Jupiter, made in the Department of Astronomy and Astrophysics of the University of Chicago, during the past five years, are stated to have been the only ones obtained during that period. As exceptions to this record, measures of the fifth satellite have been made by Doctor Aitken, at this Observatory, in 1898, published in A. J. No. 436; and in 1900 and 1902, published in L. O. Bull. 28; and a series in 1903, not yet published. Such an oversight can easily occur in making up an extensive report, and the credit of the excellent work done at the

Yerkes Observatory is in no way diminished by the full statement of the facts.

R. H. TUCKER.

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I owe an apology to Professor Aitken for the remark regarding Jupiter's fifth satellite in President Harper's report. When, at President Harper's request, I prepared the statement on the research work of the department of Astronomy and Astrophysics, I understood that the satellite had not been observed elsewhere. There was of course no intention on my part to omit mention of the important work of Professor Aitken with the great telescope of the Lick Observatory.

GEORGE E. HALE.

##### INVESTIGATIONS IN PROGRESS AT THE UNIVERSITY OF CHICAGO.

THE article in your issue of September 18, under the above title, exhibits an attitude altogether too prevalent among those in authority in this country, and I think justly deserves criticism. It seems to be assumed that if a lot of investigations with high-sounding titles are being carried on at Chicago University, that institution is correspondingly great as a center of research; and that it is a matter of comparative indifference who is doing the work. "I think it best under all the circumstances not to mention in this statement the specific names of persons thus engaged. In most cases, however, the mention of the subject itself will carry with it a knowledge of the person engaged in the work." So it will, to those who happen to know, and to whom the statement is unnecessary.

There are plenty of 'researches' reported in SCIENCE and elsewhere, which are mere air-bubbles, containing nothing. We know very well that most of the work done at the University of Chicago is by no means of this character; that the university is, indeed, a great research center, an ever-flowing fountain of knowledge. But this is due to the *men* who are there, and to describe the work without mention of the workers is as though some theatrical company were to proudly an-