national convention, March 3-6, Hotel Commodore, New York, New York.

University of Pittsburgh Department of Psychology conference, "Current Trends in Psychology," March 5-6, Pittsburgh, Pennsylvania.

Western Metal Congress and Exposition, fifth, March 22-27, Civic Auditoriums, Oakland, California.

American Association of Anatomists, annual meeting, April 3-5, Mount Royal Hotel, Montreal, Canada.

American Geophysical Union, 28th annual meeting, April 28-30, National Museum, Washington, D. C.

Southwestern Division, AAAS, 23rd annual meeting, with Colorado-Wyoming Academy of Science, May 1-3, Colorado College, Colorado Springs.

Society of American Bacteriologists, annual meeting, May 12-16, Bellevue-Stratford Hotel, Philadelphia, Pennsylvania.

American Association of Cereal Chemists, 32nd annual meeting, May 19-23, Hotel President, Kansas City, Missouri.

American Oil Chemists' Society. 38th annual meeting, May 20-22, New Orleans, Louisiana.

American Society of Mechanical Engineers, oil and gas power 19th national conference, May 21-24, Cleveland, Ohio.

American Society of Mechanical Engineers, aviation meeting, May 26-29, Los Angeles, California.

American Society of Mechanical Engineers, wood industries national conference, June 12-13, Madison, Wisconsin.

American Society of Mechanical Engineers, semiannual meeting, June 16-19, Chicago, Illinois.

American Society for Engineering Education, 55th annual meeting, June 18-21, University of Minnesota, Minneapolis.

Chemical Society, London, centenary meeting, July 15-17, London, England.

International Congress of Pure and Applied Chemistry, 11th annual, July 17-24, London, England.

gress, 17th annual, July 21-25, Oxford, England.

COMMENTS by Readers

In the Mathematical Cuneiform Texts, they exhibit some of the difficulties innow have an Old-Babylonian tablet which neglected during recent years. answers the question to what power must base 16 and that 3 is the logarithm of 8 to would naturally arouse much disagreefractional exponents.

same subject is quoted approvingly in Such disagreement may tend to fix these volume 2 of the widely consulted textbook facts more clearly in the minds of the on the history of elementary mathematics student, provided they are freely exby the late D. E. Smith of Columbia pressed. (G. A. Miller, University of University, page 512 (1925), as follows: Illinois.) "The invention of logarithms came on the world as a bolt from the blue. No (1550-1617).

of the difference of these views is that coloration.

edited by O. Neugebauer and A. Sachs, volved in the study of the history of page 35 (1945), the authors note that "we science, which has been too much

It should, however, be emphasized that a certain number a be raised to yield a the view noted in the second paragraph given number? This problem is identical of this letter is in complete disaccord with with finding the logarithm to the base a that usually held by mathematical hisof a given number." This remark is fol-torians notwithstanding its appearance in lowed in the noted volume by some a widely consulted book in our schools. problems which are identical with those Few subjects involve so many clear steps appearing in some of our modern text- toward their modern status in the school books on elementary algebra intended for curriculum as that of logarithms. Hence, students who are beginning the study of the given quotation from the report of an logarithms. For instance, the problems international meeting may also serve as prove that $\frac{1}{4}$ is the logarithm of 2 to the an instance of a historical statement which the base 16. This involves the use of ment after the facts relating thereto have been carefully considered by the students Another extreme view relating to the of a class in the history of mathematics.

It is believed that the darkening of previous work had led up to it, fore- fruits and vegetables, upon being cut and shadowed it or heralded its arrival. It exposed to the air, is in part similar to stands isolated, breaking in upon human that age-old process in the soil whereby thought abruptly without borrowing from the ferruginous silicates, sulfides, and the work of other intellects or following anhydrous oxides are oxidized to the ferric known lines of mathematical thought." compounds to form brown and red soils, It should be emphasized that this state- according to Jackson B. Hester, Riverton, ment was made in 1914 in Edinburgh at New Jersey. The iron in the fruits and the Tercentenary of the publication of a vegetables is originally in the form of volume on logarithms by John Napier ferrous compounds which do not impart a brown color, but upon exposure to air are It might have been thought that 300 oxidized to ferric compounds which are years would be sufficient time to establish brown. The change of ferrous iron to ferric the merits of an individual as regards his iron has been verified by the author by contribution towards the development of extracting apples, horse radish, potatoes, such an important subject of elementary etc., with strong acetic acid and making mathematics, but from the above it is the test for ferrous and ferric iron. At the clear that widely different views relating outset the iron occurs largely in the ferthereto may be held by those supposed rous state, but after exposure to the air International Physiological Con- to be in good positions to judge even after or upon long storage it appears in the this long period of time. A striking feature ferric state, thus imparting a brown dis-