but it was postponed until January 21, 1912, on account of the death of Mme. Darboux on October 8, 1911.

The addresses which were delivered at the Jubilé give abundant evidence of the great influence of M. Darboux as a teacher. Several of them direct attention to his fundamental contributions to the advancement of mathematical knowledge. The address by M. Henri Poincaré is especially interesting in this direction. The American representatives on the committee in charge of this Jubilé were G. E. Hale and H. Hancock.

G. A. MILLER.


In the mathematical courses given to engineering students the analytic procedures find applications to geometry, and here the applications often end. Hedrick and Kellogg through their book, *Applications of the Calculus to Mechanics*, have given material help toward eliminating this mistake.

The book is clearly written, and for the most part in such a way that the student after his first course in the calculus will be able to read it understandingly. It is refreshing to find an accurate treatment of subjects in mechanics in which the authors have evidently kept their prospective readers in mind while writing it. It shows that after all there is no inherent reason why such a treatment may not be accurate, and at the same time clear to the student who is to read it. With the exception of a few paragraphs the authors seem to me to have put into their book these two essential qualities of a good text book. There are a few paragraphs which, I think, are too condensed, in which too much is left to the student. To illustrate what is meant, on page seven it is stated that "If a vector vary with the time $t$, or any other parameter, its derivative may be defined, for we know how to subtract vectors and divide by numbers. The notion of limit of a set of vectors will be sufficiently clear." The rest is left to the student. However, even if my supposition here is correct, this is only one of a few isolated cases and the teacher can easily supply the necessary amplifications. In nearly the whole of the book the definitions and theorems are led up to in such a plausible way, and so well illustrated by examples worked out and fully explained in the text, that