

biography as a whole, we may quote from the remarks of Darboux when presenting the work to the Académie des Sciences: " Cette Notice nouvelle est composée avec le même soin, avec le même souci de l'exactitude et selon la même méthode que les Notices précédemment parues. . . . M. Ernest Lebon ne néglige pas de nous faire connaître la genèse des plus belles découvertes de Gabriel Lippmann. . . . Nous n'hésitons pas à prédire à cette nouvelle Notice le succès et la faveur qui ont accueilli les précédentes."

E. B. WILSON.

College Mathematics Notebook. By R. E. MORITZ. Boston, Ginn and Company.

College Engineering Notebook. By R. E. MORITZ. Boston, Ginn and Company.

Two notebooks, each $8\frac{1}{2} \times 10\frac{3}{4}$ inches, each of weight $1\frac{3}{4}$ pounds, in biflex binder with removable sheets, have been designed by R. E. Moritz and published by Ginn and Company. The first, for classes in advanced algebra, trigonometry, analytical geometry, and calculus, has 3 pages of simple formulas, 95 pages of rectangular coordinate paper ruled about 25 to the inch, 5 pages of polar coordinate paper ruled about $7\frac{1}{2}$ to the inch (radially), 2 pages containing seven 2-place tables, and one page of common graphs. The second, for classes in technical schools and colleges, contains 11 pages of simple mathematical and engineering formulas, the same outfit (apparently) of coordinate paper plus 5 pages of logarithmic paper, the same graphs, the same tables plus 4-place logarithms, 3-place natural functions, and a conversion table for circular measure.

For teachers who like to use notebooks of this type, these seem as elaborate as any. In so far as a notebook induces the student to greater system and neatness it is desirable. There are, however, undesirable features in a system of instruction which uses notebooks. For instance, in most work in mathematics a rough sketch of a curve is as good as a careful graph; using finely ruled paper generally leads the student to take the large amount of time necessary to construct a good graph or gives him too high an opinion of the accuracy of a hasty sketch; there are difficulties of the sort experienced in using 7-place tables on 3-place data; a coarser notebook might