for further work whether in physics or mathematics or
theoretical mechanics by beginning with a general course
which includes the elements of many branches of mechanics
than by beginning with a thorough course in any one branch.

Professor Cellérier's Cours de Mécanique was in many
ways an interesting and most valuable book when it appeared.
We are inclined even now to recommend it to all who wish
to follow the method in general use among engineers—the
method of starting mechanics with a discussion of statics.

<div align="right">EDWIN BIDWELL WILSON.</div>

YALE UNIVERSITY,
    May 10, 1902.

KIEPERT'S CALCULUS.

Grundriss der Differential- und Integral-Rechnung. Von Dr.
   LUDWIG KIEPERT. I. Theil : *Differential-Rechnung.* 9te
   Auflage. II. Theil. *Integral-Rechnung.* 7te Auflage.
   Hannover, Helwingsche Verlagsbuchhandlung, 1900–
   1901.

A WORK which has gone through so many editions in a
country where so much attention is given to mathematical
instruction should have its merits ; nor in this case will the
reader fail to discover them. These are clearness of state-
ment, carefully drawn illustrations in great number, mi-
nute explanations, warnings against probable mistakes on
the part of the student. Nevertheless from the very fact
that we have a ninth reproduction of an older work there is
a certain clinging to tradition which impairs the usefulness
of the book.

For example, it gives the student a better idea both of the
theory and the range of application, if the differential and
integral calculus be treated simultaneously ; moreover, he
begins at once to know something of integration, a matter
of great practical importance. Again, a subject so rich in
applications to the various sciences and industrial arts
should be presented along with these applications. Thus can
the subject be made alive to the student rather than a dead
and tiresome exercise in formula grinding. It may be,
however, that a problem book, used in conjunction with the
text, will supply this deficiency, and of course every good
teacher will add problems of his own.

The first volume has an introduction concerning func-
tions, limits, infinitesimals of various orders, continuity,
the binomial theorem for positive integral exponents, geo-