On the Direct Numerical Calculation of Elliptic Functions and
  Integrals. By Louis V. King. Cambridge, University Press, 1924.
  viii + 42 pp.

The author undertakes in this little brochure to connect the theory
of elliptic functions and integrals with the so-called "arithmetico-geome-
tric mean scales" in order to relate more directly that theory with the
computing machine. Using the series of numbers (a_n, b_n) where
$a_n = \frac{1}{2}(a_{n-1} + b_{n-1})$, $b_n = \sqrt{a_{n-1} b_{n-1}}$, $a_0 > b_0 > 0$ he derives com-
putation formulas for the various elliptic functions in terms of these.

The undertaking appears to be in line with other efforts now being
made to use the computing machine to avoid tedious and uncertain
interpolations. Large tables will of course always be necessary and
for most purposes sufficient, but the use of anything but first differ-
ences will always involve danger of errors. This little book contains
in convenient form many well known formulas and also many new ones.

<div align="right">D. N. LEHMER</div>

Über Paraboloide, Hyperboloide und Ellipsoide von Archimedes. (Ostwald's
  Klassiker der exakten Wissenschaften, No. 210.) Translated and
  annotated by A. Czwalina. Leipzig, Akademische Verlagsgesell-
  schaft, 1923. 73 pp.

This little book consists of 66 pages of translation of Archimedes'
work on quadric surfaces of revolution, together with 7 pages of notes.
It will doubtless prove to be a useful addition to the materials for the
study of the history of mathematics in German schools; but for English-
speaking students it is without significance, on account of the existence
of Sir Thomas Heath's definitive edition of Archimedes in English.
The reviewer will merely state that the translation has been carefully
done, and that the notes give in modern notation concise explanations
of the less evident parts of Archimedes's discussion. The statement of
the last theorem on page 64 contains a misprint in that the words
"Hälfte der" should be inserted before "Verbindungsstrecke." Some of
the figures lack portions of their lettering. Otherwise, no typographical
error of consequence was noted.

<div align="right">R. B. McCLENON</div>

An Introduction to the Theory of Statistics. 7th edition. By G. Udny
  Yule. London, Charles Griffin and Co., Limited, 1924. xv+415 pp.

The seventh edition of this reliable text differs very little from the
preceding edition. Chapter III, on Association, has been practically
rewritten; the supplementary list of references has been brought up
to date; and some minor alterations and corrections have been made.
Additional matter incorporated in all the recent editions has been added
in the form of Supplements.

<div align="right">C. H. FORSYTH</div>