The Elements of Surveying and Geodesy. By W. C. POPPLE-
WELL. New York, Longmans, Green and Company, 1915.
244 pp. Price $2.25.

THIS book contains the usual descriptions of surveying
instruments and their uses, chapters on geodetic astronomy,
earthwork calculations, railway curves, underground and
hydrographic surveying. Distinctively an English text, it
contains no matter pertaining to public land surveys in the
United States. The exposition is clear, detailed, and accurate.
The mathematical nature of the subject is kept in the fore-
ground. A brief course, as the title indicates, it covers the
field in a surprising manner.

The book contains five pages of four-place tables. There
are no collections of trigonometric or other formulas. For
field work it would need to be supplemented by a separate
book of tables. There are no exercises.

W. V. LOVITT.

NOTES.

THE third annual meeting of the Mathematical Association
of America was held at the University of Chicago on Thursday
and Friday, December 27–28, 1917. At the opening session
on Thursday morning papers were presented by A. F. FRUM-
VELLER: "The graph of $f(x)$ in line coordinates for complex
numbers;" F. H. HODGE: "On the generalization of the witch
and the cissoid;" W. H. BUSSEY: "Fermat's method of
infinite descent;" C. N. MOORE: "On the disciplinary and
applied values of mathematical study;" E. J. MOULTON:
"On the content of a second course in the calculus." Thurs-
day afternoon was devoted to a consideration of the teaching
of descriptive geometry as a college subject, opening with
an address by W. H. ROEVER, followed by extended dis-
cussion. At the meeting of the Council important matters
of policy and procedure were taken up. The evening was
dedicated to a joint dinner with the Chicago Section of the
American Mathematical Society. On Friday morning reports
were presented by the committees on mathematical require-
ments, libraries, and mathematical dictionary. General dis-
cussion followed each report. In the afternoon a joint session