with less care for completeness. An instance of the latter sort is afforded by sections 45 and 46, where one has a more satisfactory derivation and discussion of certain approximations earlier gotten in a somewhat formal way. The less mature reader may omit these more critical sections; he will perhaps not be dissatisfied with the earlier work, where approximate formulas are used rather too much as exact formulas are employed.

About half of the nearly three hundred pages in the main body of the work is devoted to the more elementary and more general aspects of the theory. Here the exposition is particularly marked by that clarity of expression which is characteristic of the entire work. The reader is led in a pleasing way through such topics as probability and frequency, total and composite probability, mathematical expectation and mean value, the problem of repeated trials and the theorem of Bernoulli, the normal law of probability, and probability involving continuous distribution. Then one meets in the second half of the text brief chapters on probability of causes, statistical interpretation, errors of observation, method of least squares, and the kinetic theory of gases. The greater portion of the appendix is given to a careful consideration of the theorem of Laplace-Tchebychef and an extension of it.

R. D. CARMICHAEL.

CORRECTIONS.

THE following errata have come to the attention of the editors of the BULLETIN:

In Professor Brouwer's paper: "Intuitionism and formalism," in volume 20, pages 81–96,

page 91, in the footnote, *for:* the proof *read:* the formalistic proof of this property; and interchange "können wir bestimmen" with "muss es geben;"

page 94, line 4, *for:* but that it is impossible *read:* and when a proof is added (for the rest not recognized by the intuitionist) that it is impossible.

In Professor Forsyth's paper: "Formulas for constructing abridged mortality tables for decennial ages," in the current volume,

page 35, formula (1), w_0 should be w_0/t;
page 37, formula ($5i'$), the last $+$ sign should be $-$;
page 38, formula ($5t$), the coefficient $6\frac{1}{2}$ should be $5\frac{1}{2}$;
page 38, formula ($5t'$), the last $+$ sign should be $-$.

In Professor Hayashi's paper: "On the rectifiability of a twisted cubic," in the current volume,
  page 74, line 8, *for* $\dot{x}\dot{y}\ddot{z}$ *read:* $|\dot{x}\dot{y}\ddot{z}|$.

In Professor Carmichael's paper: "Note on a physical interpretation of Stieltjes integrals," in the current volume, pages 102–105, the last paragraph of the paper should be deleted.

NOTES.

THE twenty-sixth annual meeting of the American Mathematical Society will be held in New York City on Tuesday and Wednesday, December 30–31, 1919, immediately preceding the meeting of the Mathematical Association of America. The annual election of officers of the Society will close on Wednesday morning. The joint dinner of the two organizations will be held on Wednesday evening. Titles of papers for this meeting should be in the hands of the Secretary by December 9.

THE thirteenth western meeting of the Society, combining the meetings of the Chicago and the Southwestern Sections, will be held at St. Louis in affiliation with the American Association for the Advancement of Science on December 30–31. Retiring addresses will be delivered by Professor G. D. BIRKHOFF, as chairman of Section A, and Professor G. A. BLISS, as chairman of the Chicago Section. Titles and abstracts of papers should be in the hands of Professor ARNOLD DRESDEN, secretary of the Chicago Section, by December 2.

A NEW edition of the List of Officers and Members of the Society is in preparation and will be issued in January next. Blanks for furnishing information have been sent to the members, and prompt response is requested in order that the List may be as accurate as possible.

THE opening (September) number of volume 21 of the *Annals of Mathematics* contains the following papers: "Investigation of a class of fundamental inequalities in the