tween integral and differential equations is but briefly treated. This feature
may perhaps recommend the book to students who wish merely to dip into the
subject. Others will find little here that is new, and yet the reviewer found the
book distinctly pleasant to read. The exposition is carefully and skillfully done.
Definitions and theorems are conspicuously set forth, and the author has taken
pains to keep the reader informed at all times as to his purpose and the pro-
posed means for its accomplishment.

The contents of the book may be briefly summarized. Chapter 1, designed
to motivate the study of the integral equation, is given mainly to a rather de-
tailed consideration of the physical problem presented by the stretched string
under both free and forced vibration. It includes also the formulation of a
problem in optics. Chapter 2 is purely mathematical, and contains a systematic
exposition of the fundamental theorems of the Schmidt-Hilbert theory of the
equation with a symmetric kernel. Chapter 3, entitled "Applications," con-
siders the problems of the flow of heat in a rod, and of the deflection of a loaded
beam. The practical computation of a solution by the method of successive
approximations is briefly developed. Chapter 4 is devoted to the equation with
an unsymmetric kernel; and finally in Chapter 5 a short outline of the Fred-
holm theory is given.

To those who would form an acquaintance with this branch of mathemat-
ical theory and its applications to physical problems, the book might well be
recommended.

<div style="text-align: right">R. E. LANGER</div>

*Comptes Rendus du Septième Congrès des Mathématiciens Scandinaves tenu à
  Oslo 19–22 août, 1929.* Oslo, A. W. Brögger, 1930. 1919+7 pp.

Comptes Rendus du Premier Congrès des Mathématiciens des Pays Slaves. War-
  saw, Ksiaznica Atlas, 1930. 239+4 pp.

The first Scandinavian mathematical congress was held in Stockholm dur-
ing 1909 on the initiative of Mittag-Leffler. The meetings have since been con-
tinued at irregular intervals alternating between the capitals of the four
Scandinavian countries. The present congress was held in Norway in connec-
tion with the commemoration of the centennial of N. H. Abel's death. The
proceedings contain 22 papers, almost all published in international languages.
Some interesting expository lectures are also included in the proceedings. The
list of authors includes: Alander, Ahlfors, Arwin, Brun, Danielson, Engstrom,
Fjeldstad, Heegaard, Jessen, Juel, Nagell, F. Nevanlinna, R. Nevanlinna,
Nystrom, Ore, Rasch, Rasmussen, Rode, Skolem, Selberg, Tambs-Lyche.

The first congress of mathematicians from the Slavic countries was held in
Warsaw in September, 1929. The proceedings contain 54 papers, about half of
them in the Polish language. The authors are: Bydzovsky, Chwistek, Dick-
stein, Dusl, Fréchet, Golab, Hadamard, Härlen, Hoborski, Hosiasson, Hostin-
sky, Jarnik, Kaczmarz, Karamata, Kawaguchi, Kempisty, Knaster, Kolod-
ziejczyk, Koutsky, Kuratowski, Leja, Lubelski, Mazurkiewicz, Menger, Mil-
icer-Gruzewska, Neyman, Nikodym, Obreschkoff, Petr, Petrovitch, Peyovitch,
Popoff, Popova, Presburger, Rychlik, Saltykow, Sergescu, Sierpinski, Sieczka,
Slebodzinski, Steinhaus, Szpilrajn, Tschakaloff, Vitali, Wazewski.

<div style="text-align: right">OYSTEIN ORE</div>