

sult, besides being of service in the study of the uniform convergence of Fourier's series, furnishes a means for determining an upper limit to the number of terms necessary to take in a given Fourier development in order that the error committed by stopping with the last term taken shall be less than some assigned quantity, this being true when the series is considered for *all* values of x lying within the interval (a, b) (a and b included), it being assumed throughout that $f(x)$ satisfies certain preliminary conditions (such as Dirichlet's conditions) at every point of this interval.

F. N. COLE.

COLUMBIA UNIVERSITY.

THE JANUARY MEETING OF THE CHICAGO SECTION.

THE tenth regular meeting of the Chicago Section of the AMERICAN MATHEMATICAL SOCIETY was held at Northwestern University, Evanston, Illinois, on Thursday and Friday, January 2-3, 1902. Two sessions were held each day, opening at 10 o'clock A. M. and 2.30 o'clock P. M. In the absence of Professor E. H. Moore, President of the Society, during the morning sessions, Professor Ziwet occupied the chair on the first day and Professor White on the second day. The attendance at the various sessions was unusually large, including a number of prominent educators in the vicinity of Chicago, and the following twenty-five members of the Society :

Professor R. J. Aley, Dr. G. A. Bliss, Professor Oskar Bolza, Dr. C. L. Bouton, Professor D. F. Campbell, Mr. A. Crathorne, Professor E. W. Davis, Professor L. E. Dickson, Professor L. W. Dowling, Dr. J. W. Glover, Dr. T. P. Hall, Professor Thomas F. Holgate, Dr. H. G. Keppel, Dr. Kurt Laves, Professor H. Maschke, Professor E. H. Moore, Dr. F. R. Moulton, Miss I. M. Schottenfels, Professor G. T. Sellev, Professor J. B. Shaw, Professor E. J. Townsend, Professor C. A. Waldo, Dr. Jacob Westlund, Professor H. S. White, Professor Alexander Ziwet.

At the business session on Friday morning the following officers of the section were elected for the ensuing year : Secretary, Professor Thomas F. Holgate ; Additional members of the programme committee, Professor E. J. Townsend and Professor L. W. Dowling.

The following papers were presented and read :