

NOTES.

THE concluding (July) number of volume 12 of the *Annals of Mathematics* contains the following papers: "The harmonics of a stretched string vibrating in a resisting medium," by C. R. DINES; "The mixing effect of surface waves," by C. S. SLICHTER; "Characteristics of two partial differential equations of order one," by C. A. NOBLE; "The differential equation of the third order with a quadratic equation between the integrals," by S. EPSTEIN; "Relations among some cyclotomic numbers," by T. HAYASHI.

THE eighty-first annual meeting of the British association for the advancement of science was held at Portsmouth, England, August 30 to September 6, under the presidency of Sir William Ramsey. Professor H. H. TURNER was chairman of section A, mathematics and physics.

THE fortieth annual meeting of the French association was held at Dijon, July 31 to August 5, with Inspector Ch. Lallemand as president. E. BELOT was chairman of the mathematical section.

THE fifth annual meeting of the Italian association will be held at Rome, October 12 to 18; Professor G. Ciamician is president, and Professor G. CASTELNUOVO chairman of section A.

THE second congress of Scandinavian mathematicians was held at Copenhagen, August 28-31.

THE organizing committee of the Fifth international congress of mathematicians, to be held at Cambridge, England, August 22-28, 1912, has issued a circular containing the names of the 46 members of the international committee and giving the following items of information:

"Special arrangements will be made for the consideration of the reports of the international committee appointed at the congress in Rome to enquire into the teaching of mathematics.

The committee has commenced to organize a series of lectures which shall give some idea of the present state and progress of the principal branches of mathematics, including its applications. The speakers already chosen are E. BOREL, E. W. BROWN, A. KNESER, E. G. H. LANDAU, Sir J. LARMOR, and Sir W. WHITE.