

Meusnier and Bonnet follow the definitions of asymptotic lines and lines of curvature; their properties, together with those of conjugate lines, are then discussed and geodesic lines are defined. After an application of the preceding theories to several of the simpler surfaces—cones, surfaces of revolution, quadrics, developables, surfaces of Monge—the book closes with a treatment of the general equation of geodesic lines.

The print is good, the figures are helpful and the general arrangement is very attractive.

L. P. EISENHART.

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### NOTES.

THE secretaryship of Section A of the American association for the advancement of science has been filled by the appointment of Dr. G. A. MILLER. Papers intended for the programme of the Denver meeting (August 24–31) of Section A, should be sent to Dr. Miller, at 115 Cook St., Ithaca, N. Y.

THE April number of the *American Journal of Mathematics* (volume 23, number 2) contains the following articles: "The cross-ratio group of 120 quadratic Cremona transformations of the plane," by H. E. SLAUGHT; "Memoir on the algebra of symbolic logic," by A. N. WHITEHEAD; "On a special form of annular surfaces," by V. SNYDER; "On the transitive substitution groups whose order is a power of a prime number," by G. A. MILLER; "Geometry on the cubic scroll of the second kind," by F. C. FERRY.

AT the regular meeting of the London mathematical society held on May 9, 1901, the following papers were read: "A case of algebraic partitionment," by Major P. A. MACMAHON; "On the series whose terms are the cubes and higher powers of the binomial coefficients," by Major P. A. MACMAHON; "A property of recurring series," by Dr. G. B. MATHEWS; "The product of two spherical surface harmonic functions," by Mr. J. B. DALE.

THE German Society for the promotion of instruction in mathematics and science held its tenth annual meeting the last week of May at Giessen under the presidency of Dr. Rausch. The society has nine hundred members.

THE committee elected to judge the competition in 1901 for the Francoeur and Poncelet prizes of the Paris academy of sciences consists of Professors C. JORDAN, H. POINCARÉ, E. PICARD, P. APPELL, and MAURICE LEVY.