

“Jahrbuch über die Fortschritte der Mathematik,” Bd. xxxi., Hefte 1, 2; Berlin, 1902.

“Acta Mathematica,” Vol. xiv., Pt. 4, 1891; Vol. xvii., Pts. 1, 2, 1893; Vol. xxiv., 1901; Vol. xxv., Pts. 1, 2, 1901; Stockholm.

THIRTY-NINTH SESSION, 1902-1903

(since the Formation of the Society, January 16th, 1865).

November 13th, 1902.

THE NINTH ANNUAL GENERAL MEETING OF THE LONDON MATHEMATICAL SOCIETY, as incorporated under the Companies Act, 1867, on October 23rd, 1894, held at 22 Albemarle Street, W.

Dr. E. W. HOBSON, F.R.S., President, in the Chair.

Twenty-five members and a visitor present.

Mrs. Alicia Stott was elected a member.

The Treasurer read his report. The reception of the Treasurer's report was moved by Mr. Kempe, seconded by Prof. Hudson, and carried *nem. con.*

The President nominated Mr. J. H. Grace to act as Auditor.

The Secretary reported that the number of members of the Society at the beginning of the previous session was 257. Of these 3 had resigned, and the names of 2 had been omitted from the list. The number of new members elected during the session was 8, bringing the number at the beginning of the present session to 260.

The President stated to the meeting the grounds on which the De Morgan Medal had been awarded by the Council to Prof. A. G. Greenhill, and presented the medal. Prof. Greenhill expressed his thanks to the Council and to the President.

The President spoke on the retirement of Mr. Tucker from the office of Honorary Secretary, and moved the following resolution:—
“That the thanks of the London Mathematical Society be offered to Mr. Robert Tucker for the eminent services which he has rendered

to the Society during the thirty-five years in which he has held the office of Honorary Secretary." This resolution was seconded by Dr. Glaisher and carried unanimously.

At the President's request Prof. A. Lodge and Mr. R. J. Dallas acted as Scrutineers of the ballot for the election of a Council and Officers for the new session. The following gentlemen were declared by them to be elected to serve on the Council:—President: Prof. Lamb; Vice-Presidents: Mr. Tucker, Dr. Hobson, Dr. Baker; Treasurer: Dr. Larmor; Hon. Secs.: Prof. Love and Prof. Burnside; other members: Mr. Campbell, Lieut.-Col. Cunningham, Dr. Glaisher, Prof. Greenhill, Mr. Macdonald, Major MacMahon, Mr. Western, Mr. Whittaker, Mr. A. Young.

Prof. Lamb took the Chair as President.

Dr. Hobson read his address "On the Infinite and the Infinitesimal in Mathematical Analysis."

The President moved that Dr. Hobson's Address be printed in the *Proceedings*. The motion was seconded by Dr. Baker and carried unanimously.

The following papers were communicated from the Chair:—

Prof. W. Burnside: On Linear Homogeneous Groups.

Prof. D. Hilbert: Ueber den Satz von der Gleichheit der Basiswinkel im gleichschenkligen Dreieck.*

Prof. H. Lamb: Wave Propagation in Two Dimensions.

Prof. A. C. Dixon: (1) The Summation of a certain Series; (2) Expansion by means of Lamé's Functions.

Mr. W. H. Young: (1) On Sets of Intervals; (2) Note on Unclosed Sets of Points defined as the Limit of a Sequence of Closed Sets of Points.

Prof. M. J. M. Hill: The Continuation of certain Fundamental Power Series.

Prof. L. Crawford: A Geodesic on a Spheroid and an Associated Ellipse.

Prof. A. W. Conway: The Propagation of Light in a Uniaxal Crystal.

Mr. E. T. Whittaker: A new Connexion between Legendre Functions and Bessel Functions.

* *Ante*, p. 50.

The following presents were made to the Library :—

- "Educational Times," Vol. LV., No. 499; 1902.
 "Indian Engineering," Vol. XXXII., Nos. 11-16; 1902.
 "Mathematical Gazette," Vol. II., No. 35; 1902.
 Gegenbauer, L.—"Ueber eine Relation des Herrn Hobson," 8vo; Wien, 1902.
 "Mathematical Questions and Solutions from the *Educational Times*," New Series, Vol. II., edited by Constance I. Marks, 8vo; London, 1902.
 "Hollandsche Maatschappij der Wetenschappen Herdenking van het Honderdvijftigjarig Bestaan," 8vo; s'Gravonhage, 1902.
 Académie Royale de Belgique.—"Bulletin de la Classe des Sciences," No. 8; Bruxelles, 1902.
 "Annals of Mathematics," Vol. IV., No. 1; 1902.
 "American Journal of Mathematics," Vol. XXIV., No. 4; 1902.

4to pamphlets :—

- Rouquet, V.—"Etude géométrique des surfaces dont les lignes de courbure d'un système sont planes et égales."
 Janet, V.—"Sur les équations anharmoniques."
 Laurent, L.—"Contribution à l'étude de la végétation du Sud Est de la France."
 Steplun, P.—"De l'hermaphrodisme chez les vertébrés."
 Clerc, M., et M. le Dr. Fallot.—"Grotte sépulcrale néolithique."

The following exchanges were received :—

- "Proceedings of the Royal Society," Vol. LXXXI., Nos. 467, 468; 1902.
 "Bulletin of the American Mathematical Society," Vol. IX., No. 2;
 "Transactions," Vol. III., No. 4; New York, 1902.
 "Archives Néerlandaises," Tome VII., Liv. 2-5; La Haye, 1902.
 "Atti della Reale Accademia dei Lincei—Rendiconti," Sem. 2, Vol. XI., Fasc. 6-8; Roma, 1902.
 "Memorie della Regia Accademia in Modena," Serie 2, Vol. XII., Pt. 1; Serie 3, Vol. III.
 "Vierteljahrsschrift der Naturforschenden Gesellschaft in Zürich," Jahrgang XLVII., Hefte 1, 2; 1902.
 "Nachrichten von der Königl. Gesellschaft der Wissenschaften zu Göttingen," Math.-phys. Klasse, Heft 5; 1902.
 "Sūgaku-Butsurigaku Kwai Kiji," Maki IX., Dai 1; Tōkyō, 1902.