THE NOVEMBER MEETING IN PASADENA

The two hundred ninety-fifth regular meeting of the Society was held at the California Institute of Technology in Pasadena on Saturday, November 28, 1931. The meeting was called to order at 10 a. m., and was presided over by Vice-President W. A. Manning. During an informal business session, Professor E. T. Bell presided. About fifty persons attended the meeting, including the following twenty-six members of the Society:

O. W. Albert, Harry Bateman, Clifford Bell, E. T. Bell, Myrtie Collier, P. H. Daus, Raymond Garver, H. E. Glazier, E. R. Hedrick, G. H. Hunt, D. H. Lehmer, W. A. Manning, A. D. Michal, R. L. Moore, A. E. Ross, A. A. Shaw, G. E. F. Sherwood, J. H. Sturdivant, S. E. Urner, H. C. Van Buskirk, L. E. Wear, M. G. Whiting, W. M. Whyburn, C. L. E. Wolfe, C. R. Worth, E. R. Worthington.

At the morning session, by invitation of the Program Committee, Professor R. L. Moore delivered an address entitled *A set of axioms for plane analysis situs*. This address will be published in full in an early issue of this Bulletin.

During the interval between the sessions, luncheon was served at the Atheneum of the California Institute. The program was completed at the afternoon session.

On motion of Professor W. A. Manning, it was voted, in view of the fact that the Summer Meeting of the Society is to be held on the Pacific Coast, that the meeting recommend to the Council of the Society that the usual Spring Meeting of the Society which was to have been held in 1932 at Stanford University be omitted. The acting secretary called attention to the fact that similar action has been taken to omit the usual 1932 June Meeting in the Pacific Northwest, and the usual November meeting in Los Angeles in 1932, in order to concentrate all the energies of this region on the coming Summer Meeting of the Society. It was pointed out also that abstracts of papers to be read at the Summer Meeting may be sent in at any time to Associate Secretary Ingraham, and may be printed in advance in the Bulletin in order to ensure priority.

In the absence of Associate Secretary T. M. Putnam, Professor E. R. Hedrick acted as Secretary.

The titles of papers read at the meeting follow. Those whose abstract numbers are followed by the letter *t* were read by title. Messrs. Botsford, Clifford, Martin, Matison, and Levine were introduced by Professor A. D. Michal.

1. *On the real multiplication of elliptic functions*, by Professor E. T. Bell. (Abstract No. 37–11–360.)

2. *On the integration of unbounded functions*, by Professor W. M. Whyburn. (Abstract No. 37–11–361.)

3. *On the distribution of roots of polynomials with integer coefficients*, by Dr. D. H. Lehmer (National Research Fellow). (Abstract No. 37–11–362.)

4. *On certain cyclotomic functions*, by Dr. D. H. Lehmer (National Research Fellow). (Abstract No. 37–11–363–*t*.)

5. *Contributions to the theory of multiple-point integral invariants*, by Mr. J. L. Botsford. (Abstract No. 37–11–364.)

6. *Continuity and differentials of implicit functionals*, by Mr. A. H. Clifford, (Abstract No. 37–11–365.)

7. *Concerning certain root location theorems*, by Professor Raymond Garver. (Abstract No. 37–11–366.)

8. *The explicit determination of the most general linear continuous functional transformation preservative of continuity*, by Mr. R. S. Martin. (Abstract No. 37–11–367.)

9. *A theorem of the limits of Stieltjes integrals*, by Mr. R. S. Martin. (Abstract No. 37–11–368–*t*.)

10. *Representation of function valued polynomial functionals of a continuous function*, by Mr. R. S. Martin. (Abstract No. 37–11–369–*t*.)

11. *Function-valued analytic functionals of several functions*, by Mr. R. S. Martin. (Abstract No. 37–11–370–*t*.)

12. *Contribution to the theory of analytic functions in abstract spaces* (preliminary report), by Mr. R. S. Martin. (Abstract No. 37–11–371–*t*.)

13. *Integral addition theorems for Bessel functions*, by Mr. Harry Matison and Mr. A. H. Levine. (Abstract No. 37–11–372.)

14. *Parallel displacement of a multiple-point tensor along several curves in Riemannian geometry*, by Professor A. D. Michal. (Abstract No. 37–11–373–*t*.)

15. *Relations between the projective and metric differential geometries of surfaces*, by Professor O. W. Albert. (Abstract No. 37–11–374.)

16. *An overlooked numeral system of antiquity*, by Professor A. A. Shaw. (Abstract No. 37–11–375.)

17. *A transformation of the lines of space effected by means of two quadratic reguli*, by Professor A. R. Williams. (Abstract No. 37–11–376–t.)

18. *Enumerative properties of r-space curves*, by Professor B. C. Wong. (Abstract No. 37–11–377–t.)

19. *On the application of a theta formula to representation in binary quadratic forms*, by Dr. Gordon Pall. (Abstract No. 38–1–3–t.)

T. M. PUTNAM,
Associate Secretary