THE OCTOBER MEETING IN NEW YORK

The two hundred seventy-second regular meeting of the American Mathematical Society was held at Columbia University, on Saturday, October 26, 1929, extending through the usual morning and afternoon sessions. The attendance included the following ninety-two members:

C. R. Adams, R. B. Adams, A. A. Albert, R. C. Archibald, R. G. Archibald, H. E. Arnold, Bellamy, Benton, Bernstorf, William Johnston Berry, A. B. Brown, B. H. Camp, Carrié, L. W. Cohen, Collier, L. P. Copeland, C. C. Craig, Dantzig, Dehn, Demos, Feld, Fiske, Fite, D. A. Flanders, Fort, R. M. Foster, Gill, Glenn, Gourin, Gronwall, C. C. Grove, Helliwell, Hille, Hofmann, Dunham Jackson, R. L. Jackson, Joffe, M. I. Johnson, R. A. Johnson, Kasner, Kenny, Kholodovsky, Rose Klein, Knobelauch, Kramer, Landers, Lefschetz, D. H. Lehmer, Littauer, Lotka, MacColl, Meder, F. H. Miller, A. K. Mitchell, Molina, Richard Morris, Mullins, F. H. Murray, C. A. Nelson, Newman, Oakley, K. E. O'Brien, Ore, Parsons, Pell-Wheeler, Pfeiffer, Pierpont, Pogo, Post, T. M. Putnam, Raudenbush, Reddick, C. J. Rees, R. G. D. Richardson, Ritt, Schelkunoff, Seely, Serghiesco, Shewhart, Siceloff, Simons, Smail, J. M. Thomas, W. R. Thompson, Trjitzinsky, H. E. Webb, Weida, Weisner, Whittemore, Wiener, W. A. Wilson, Margaret M. Young.

There was no meeting of the Council or of the Board of Trustees. At a business session of the Society held before the beginning of the regular afternoon session, the following amendments to the By-Laws were adopted, as recommended by the Council: Article I, Section 1, to read "The officers of the Society shall be a President, a Secretary three Associate Secretaries," and continue as before. Article, I, Section 2, to read "It shall be the duty of the President to deliver an address before the Society at the Annual Meeting one year after his term of office expires." Article VII, Section 3, second sentence to read "Special meetings of the Board of Trustees may be called by the Chairman of the Board upon three days notice of such meeting mailed to the last known post office address of each Trustee."

At the request of the Program Committee, Professor Tomlinson Fort, of Lehigh University, delivered, at the beginning of the afternoon session, an address entitled *General theory of factorial series*. This address will appear in full in an early issue of this Bulletin.

Professor Tomlinson Fort presided at the morning session relieved by Professor Einar Hille, and Professor James Pierpont at the afternoon session, relieved by Professor Dunham Jackson.

The titles and cross-references to the abstracts* of the papers read at this meeting, follow below. The papers whose abstract numbers are accompanied by the letter *t* were read by title. Mr. Borofsky was introduced by Professor Ritt, and Mr. Langdon by Professor Pierpont.

1. *The structure of pure Riemann matrices with non-commutative multiplication algebras*, by Dr. A. A. Albert. (Abstract No. 36-1-1-*t*.)

2. *A construction of rational cyclic division algebras of order sixteen*, by Dr. A. A. Albert. (Abstract No. 36-1-2.)

3. *On numbers associated with the divisors of an integer*, by Mr. D. H. Lehmer. (Abstract No. 36-1-3.)

4. *A generalization of Lucas' functions U_n and V_n*, by Mr. D. H. Lehmer. (Abstract No. 36-1-4.)

5. *The semi-invariants and moments of incomplete normal and Type III frequency functions*, by Dr. C. C. Craig. (Abstract No. 36-1-5.)

6. *Sheppard's correction and semi-invariants*, by Mr. W. L. Langdon and Professor Oystein Ore. (Abstract No. 36-1-6.)

7. *The powers of a given rational prime which may divide exactly the discriminant of an algebraic field of nth degree*, by Mr. W. R. Thompson. (Abstract No. 36-1-7.)

8. *The derivation of tensors from tensor functions*, by Dr. A. K. Mitchell. (Abstract No. 36-1-8.)

9. *Expansion into infinite products of functions defined by Dirichlet series*, by Mr. Samuel Borofsky. (Abstract No. 36-1-9.)

10. *An application of the method of parameters to linear partial differential equations*, by Mr. F. H. Miller. (Abstract No. 36-1-10.)

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* The abstracts of papers will be printed in the future under a separate heading as explained in the announcement on pages 1–2 of this issue; those referred to in what follows are to be found on pages 45–64 of this issue. The cross-references to the abstracts will state the number of the volume and the number of the issue in which the abstract appears, as well as the serial number of the abstract. Thus, if an abstract numbered 238 is printed in issue No. 5 of volume 36, the cross-reference will be (Abstract No. 36-5-238).

11. *On a certain ring of functions of two variables*, by Professor J. F. Ritt. (Abstract No. 36-1-11.)

12. *Systems of linear partial differential equations*, by Professors Philip Franklin and C. L. E. Moore. (Abstract No. 36-1-12-*t*.)

13. *A lemma of the theory of differential systems*, by Professor J. D. Tamarkin. (Abstract No. 36-1-13-*t*.)

14. *Generalized indecomposable continua*, by Dr. P. M. Swingle. (Abstract No. 36-1-14-*t*.)

15. *Various forms of the fundamental functional in the problem of Plateau and its relation to the area functional*, by Dr. Jesse Douglas. (Abstract No. 36-1-15-*t*.)

16. *A general formulation of the problem of Plateau*, by Dr. Jesse Douglas. (Abstract No. 36-1-16-*t*.)

17. *Integral invariants and secular perturbations*, by Professor O. E. Glenn. (Abstract No. 36-1-17.)

18. *A formula in geometrical optics*, by Dr. T. H. Gronwall. (Abstract No. 36-1-18.)

19. *On Cayley's definition of non-euclidean geometry*, by Professor James Pierpont. (Abstract No. 36-1-19.)

20. *The ∞^3 plane sections of an arbitrary surface*, by Professor Edward Kasner. (Abstract No. 36-1-20.)

21. *On the Phragmén-Brouwer theorem*, by Professor W. A. Wilson. (Abstract No. 36-1-21.)

22. *A property of certain hyper-spaces*, by Professor W. A. Wilson. (Abstract No. 36-1-22-*t*.)

23. *On the representation of analytic functions of several variables as infinite products*, by Mr. J. M. Feld and Mr. Philip Newman. (Abstract No. 36-1-23.)

24. *A remark on a system of equations with infinitely many unknowns*, by Dr. L. W. Cohen. (Abstract No. 36-1-24.)

25. *Relations between the critical points and curves of a real analytical function of two independent variables*, by Dr. A. B. Brown. (Abstract No. 36-1-25.)

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ARNOLD DRESDEN,
Associate Secretary

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