

19. *The critical points of a function of n variables*, by Professor Marston Morse. (Abstract No. 36-11-399-*t*.)

20. *On a problem concerning the "aleph-null Bein,"* by Dr. Leo Zippin (National Research Fellow). (Abstract No. 36-11-400-*t*.)

ARNOLD DRESDEN,
Associate Secretary

THE NOVEMBER MEETING IN LOS ANGELES

The two hundred eighty-fifth regular meeting of the Society was held at the University of California at Los Angeles on Saturday, November 29, 1930. The first session was called to order by President Hedrick at 10:30 A.M. Dr. E. C. Moore, Vice President of the University, was introduced and gave a brief address of welcome. A second session was held in the afternoon beginning at 2:00 o'clock. The meetings were presided over at different times by Professors D. N. Lehmer and H. Bateman.

There were present during the day some seventy persons, including the following thirty-four members of the Society:

O. W. Albert, L. D. Ames, H. M. Bacon, Harry Bateman, Clifford Bell, E. T. Bell, H. F. Blichfeldt, Leonard Carlitz, Myrtie Collier, P. H. Daus, J. L. Dorroh, Raymond Garver, H. E. Glazier, E. R. Hedrick, E. J. Hills, G. H. Hunt, C. G. Jaeger, Glenn James, D. H. Lehmer, D. N. Lehmer, W. E. Mason, A. D. Michal, Gordon Pall, T. M. Putnam, A. A. Shaw, G. E. F. Sherwood, H. M. Showman, F. C. Touton, S. E. Urner, J. V. Uspensky, Morgan Ward, W. M. Whyburn, Clyde Wolfe, E. R. Worthington.

Included amongst the visitors were Professor P. Ehrenfest of the University of Leyden, at present visiting professor at the California Institute of Technology, and Professor Harald Bohr of the University of Copenhagen, resident during the current year at Stanford University.

By invitation of the Program Committee, Professor Blichfeldt of Stanford University opened the morning session with an address on *Geometry of numbers applied to a well known problem in Diophantine approximation*. At the opening of the afternoon session, Professor Bohr addressed the Society on *The theory of Dirichlet series*.

The titles of papers read at the meeting follow. Those whose

abstract numbers are followed by the letter t were read by title. Mr. A. H. Diamond was introduced by Professor Putnam.

1. *On triangles in- and circumscribed to two cubic curves*, by Professor Clifford Bell. (Abstract No. 37-1-1.)

2. *All recurring series having multiplicative periodicity*, by Professor E. T. Bell. (Abstract No. 37-1-2- t .)

3. *Singular relations between certain arithmetical functions*, by Professor E. T. Bell. (Abstract No. 37-1-4- t .)

4. *Modular interpolation*, by Professor E. T. Bell. (Abstract No. 37-1-3- t .)

5. *Factorability of numerical functions*, by Professor E. T. Bell. (Abstract No. 37-1-5- t .)

6. *Functional equations of totients*, by Professor E. T. Bell. (Abstract No. 37-1-8- t .)

7. *Note on functions of r th divisors*, by Professor E. T. Bell. (Abstract No. 37-1-7- t .)

8. *On a type of illusory theorem concerning higher indeterminate equations*, by Professor E. T. Bell. (Abstract No. 37-1-6.)

9. *Arrays of numbers*, by Dr. Leonard Carlitz (National Research Fellow). (Abstract No. 37-1-9- t .)

10. *On the discriminantal divisors of Abelian fields*, by Dr. Leonard Carlitz (National Research Fellow). (Abstract No. 37-1-10.)

11. *A modular form associated with a cubic field*, by Dr. Leonard Carlitz (National Research Fellow). (Abstract No. 37-1-11- t .)

12. *A condensed table of linear forms*, by Professor P. H. Daus. (Abstract No. 37-1-12.)

13. *Quadrilaterals inscribed and circumscribed to a plane cubic*, by Mr. A. H. Diamond. (Abstract No. 36-11-404- t .)

14. *Some metric properties of descriptive planes*, by Dr. J. L. Dorroh (National Research Fellow). (Abstract No. 36-11-405.)

15. *Invariantive aspects of a transformation on the Brioschi quintic*, by Professor Raymond Garver. (Abstract No. 36-11-406- t .)

16. *Theorems associated with Liouville's Theorem for non-analytic functions*, by Professor E. R. Hedrick. (Abstract No. 36-11-407- t .)

17. *On the limit of an arc of a one-parameter curve*, by Professor Glenn James. (Abstract No. 37-1-13-t.)
18. *A new calculus of numerical functions*, by Dr. D. H. Lehmer (National Research Fellow). (Abstract No. 36-11-408.)
19. *Numerical functional tensors*, by Professor A. D. Michal. (Abstract No. 37-1-14-t.)
20. *Partial difference equations with variable coefficients arising in the theory of functional forms*, by Professor A. D. Michal. (Abstract No. 37-1-15-t.)
21. *Concerning linear integro-differential forms*, by Professor A. D. Michal. (Abstract No. 37-1-16-t.)
22. *Projective integral invariants attached to the trajectories of differential systems*, by Professor A. D. Michal. (Abstract No. 37-1-17.)
23. *On sums of four or more values of $\mu x^2 + vx$ for integers x* , by Dr. Gordon Pall (National Research Fellow). (Abstract No. 37-1-18-t.)
24. *On sums of two or four values of a quadratic function of x for integers x* , by Dr. Gordon Pall (National Research Fellow). (Abstract No. 37-1-19-t.)
25. *Large numbers are sums of four or five values of a quadratic function of x* , by Dr. Gordon Pall (National Research Fellow). (Abstract No. 36-11-409.)
26. *H. von Koch's first lemma and its extensions*, by Professor A. A. Shaw. (Abstract No. 37-1-20.)
27. *A relational definition of an abstract arithmetic*, by Professor Morgan Ward. (Abstract No. 37-1-21.)
28. *Critical sets for functions of n real variables*, by Professor W. M. Whyburn. (Abstract No. 36-11-410-t.)

T. M. PUTNAM,
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