

THE JUNE MEETING IN SEATTLE

The two hundred ninety-first regular meeting of the Society was held at the University of Washington, Seattle, Washington, on Saturday, June 13, 1931. The meeting was called to order at 10:30 a.m. by Professor R. E. Moritz. The meeting was presided over later by Professor W. E. Milne.

The attendance included the following eighteen members of the Society:

C. H. Ashton, C. R. Ballantine, J. P. Ballantine, John Biggerstaff, A. F. Carpenter, C. M. Cramlet, G. I. Gavett, A. R. Jerbert, L. H. McFarlan, C. E. Magnusson, W. E. Milne, R. E. Moritz, Hermance Mullemeister, L. I. Neikirk, F. S. Nowlan, E. D. Pepper, J. R. Vatnsdal, R. M. Winger.

In view of the summer meeting at Los Angeles in 1932, it was voted to recommend to the Council that the June meeting in the Northwest be omitted next year.

The visitors were guests of the local members at a luncheon in the University commons, followed by a boat trip through the Government locks to Bainbridge Island, where a picnic supper was served, Mr. and Mrs. E. Schuyten courteously opening their summer home for the occasion.

The titles of papers read at the meeting follow. Those whose abstract numbers are followed by the letter *t* were read by title. Mr. Ayres was introduced by Professor McFarlan. Mr. Rust was introduced by Professor Evans. Dr. Schoenberg was introduced by Professor Bliss.

1. *Integral equations and the cooling problem*, by Mr. W. M. Rust, Jr. (Abstract No. 37-5-223-*t*.)

2. *On complex methods of summability*, by Dr. R. P. Agnew. (National Research Fellow). (Abstract No. 37-5-224-*t*.)

3. *Topological invariance of sub-complexes of singularities*, by Dr. A. B. Brown. (Abstract No. 37-5-225-*t*.)

4. *The transformation C of nets in hyperspace*, by Professor V. G. Grove. (Abstract No. 37-5-226-*t*.)

5. *On universal quadratic null forms in five variables*, by Dr. R. S. Underwood. (Abstract No. 37-5-227-*t*.)

6. *On a lacuna in the theory of systems of partial differential equations*, Part II, by Mr. L. B. Robinson. (Abstract No. 37-5-228-*t*.)

7. *On representation by positive binary quadratic forms*, by Dr. Gordon Pall (National Research Fellow). (Abstract No. 37-5-229-t.)
8. *Magic cubes which are uniform step cubes*, by Dr. Emma W. McDonald. (Abstract No. 37-5-230-t.)
9. *A triad of ruled surfaces defined by reciprocal polars*, by Professor A. F. Carpenter. (Abstract No. 37-5-231.)
10. *A ternary analog of an Abelian group*, by Dr. D. H. Lehmer (National Research Fellow). (Abstract No. 37-5-232-t.)
11. *Useful functions associated with rational cubic curves*, by Professor Clifford Bell. (Abstract No. 37-7-235-t.)
12. *A converse of the theorem regarding the separation of E_3 by a closed two-dimensional manifold of genus p* . Second paper, by Professor R. L. Wilder. (Abstract No. 37-7-236-t.)
13. *An interpretation of the invariants of a system of linear homogeneous second-order differential equations*, by Professor C. M. Cramlet. (Abstract No. 37-7-237.)
14. *On certain projective trochoids*, by Professor R. M. Winger. (Abstract No. 37-7-238.)
15. *The numerical solution of linear equations by vectors*, by Professor J. P. Ballantine. (Abstract No. 37-7-239.)
16. *A certain congruence associated with a ruled surface*, by Professor A. R. Jerbert. (Abstract No. 37-7-240.)
17. *On the numerical integration of certain differential equations of the second order*, by Professor W. E. Milne. (Abstract No. 37-7-241.)
18. *A new theory of depreciation of physical assets*, by Professor R. E. Moritz. (Abstract No. 37-7-242.)
19. *On a totally discontinuous function*, by Professor R. E. Moritz. (Abstract No. 37-7-243.)
20. *On the Moore-Kline problem*, by Dr. Leo Zippin. (National Research Fellow). (Abstract No. 37-7-244-t.)
21. *Some applications of the calculus of variations to Riemannian geometry*, by Dr. I. J. Schoenberg (International Research Fellow). (Abstract No. 37-7-245-t.)
22. *On separation, comparison, and oscillation theorems for self-adjoint systems of second-order linear differential equations*, by Professor G. A. Bliss and Dr. I. J. Schoenberg. (Abstract No. 37-7-246-t.)
23. *Concerning a mixed functional equation and an associated*

invariant theory, by Professor A. D. Michal. (Abstract No. 37-7-247-t.)

24. *Some theorems concerning matrices of continuous functions*, by Mr. H. C. Ayres. (Abstract No. 37-7-248-t.)

25. *The problem of minimizing a double integral with adjoined partial differential equations*, by Professor L. H. McFarlan. (Abstract No. 37-7-249.)

26. *Note on kernels of positive type*, by Dr. Caroline E. Seely. (Abstract No. 37-7-250-t.)

27. *Concerning continuous images of the interval*, by Professor G. T. Whyburn. (Abstract No. 37-7-251-t.)

28. *On direct products*, by Dr. A. A. Albert. (Abstract No. 37-5-234-t.)

29. *Remarks concerning a paper of W. L. Ayres*, by Professor Karl Menger. (Abstract No. 37-7-252-t.)

T. M. PUTNAM,
Associate Secretary