15. *Additional notes on the inversion of the Laplace transformation*, by R. V. Churchill. (Abstract 43-11-394-*t*.)

16. *A quadratic form problem in the calculus of variations*, by A. A. Albert. (Abstract 43-11-395-*t*.)

17. *Weakly complete Banach spaces*, by H. H. Goldstine. (Abstract 43-11-396-*t*.)

M. H. INGRAHAM,
Associate Secretary

THE NOVEMBER MEETING IN PASADENA

The three hundred forty-sixth meeting of the American Mathematical Society was held at the California Institute of Technology on Saturday, November 27, 1937. The chair was occupied at various times by Professors E. R. Hedrick, G. C. Evans, and E. T. Bell. The attendance of about fifty included the following thirty-one members of the Society:

L. D. Ames, H. A. Arnold, H. M. Bacon, Clifford Bell, E. T. Bell, Myrtie Collier, P. H. Daus, R. P. Dilworth, C. H. Dix, G. C. Evans, H. E. Glazier, J. W. Green, D. W. Hall, N. A. Hall, H. J. Hamilton, E. R. Hedrick, C. G. Jaeger, Glenn James, W. E. Mason, A. D. Michal, T. M. Putnam, W. C. Risselman, A. A. Shaw, D. V. Steed, S. E. Urner, F. A. Valentine, Morgan Ward, M. B. White, W. M. Whyburn, E. R. Worthington, Max Zorn.

Luncheon for members and their guests was served at the Athenaeum of the California Institute of Technology.

The titles of papers read at the meeting follow. Those whose abstract numbers are followed by the letter *t* were read by title.

1. *Some theorems on subsequences*, by H. J. Hamilton. (Abstract 43-11-404.)

2. *Abstract residuation over lattices*, by R. P. Dilworth. (Abstract 43-11-405.)

3. *A formal expansion theory for functions defined by two variable power series*, by N. A. Hall. (Abstract 43-11-406.)

4. *A property of harmonic functions in three variables*, by J. W. Green. (Abstract 43-11-407.)

5. *Properties of invariant sets under pointwise periodic homeomorphisms*, by D. W. Hall and G. E. Schweigert. (Abstract 43-11-408.)

6. *A new fragment of Euclid's "Elements"* (preliminary report), by A. A. Shaw. (Abstract 43-11-409.)

7. *On the first case of Fermat's last theorem*, by Glenn James. (Abstract 43-11-410.)

8. *Iterated exponential numbers*, by E. T. Bell. (Abstract 43-11-411.)

9. *Differentiation in linear, semi-ordered spaces*, by H. A. Arnold. (Abstract 43-11-412.)

10. *General Riemannian spaces with abstract coordinates and constant curvature*, by A. D. Michal. (Abstract 43-11-413.)

11. *On the elliptic quintic curve in space of four dimensions*, by A. H. Diamond. (Abstract 43-11-414.)

12. *Topological studies in the theory of analytic functions* (preliminary report), by Max Zorn. (Abstract 43-11-415.)

13. *Structure residuation*, by Morgan Ward. (Abstract 43-11-416.)

14. *Collineations and central projections*, by P. H. Daus. (Abstract 43-11-417-t.)

15. *Note on convex regions on the sphere*, by R. M. Robinson. (Abstract 43-11-418-t.)

16. *Lagrange and Wilson theorems for the generalized Stirling numbers*, by E. T. Bell. (Abstract 43-11-419-t.)

17. *Notes on denumerants*, by E. T. Bell. (Abstract 43-11-420-t.)

18. *Riemannian tensor analysis in abstract spaces*, by H. A. Arnold. (Abstract 43-11-421-t.)

19. *Infinitely dimensional Riemannian differential geometries with constant curvature*, by A. D. Michal. (Abstract 43-11-422-t.)

T. M. PUTNAM,
Associate Secretary