

pair of its points x , y , there exists a homeomorphism between two open subsets of M , one containing x , the other containing y , such that x maps into y . Alternatively, the requirement of local connectedness can be replaced by the condition that M contain a simple closed curve. It is incidentally shown that any bounded, plane continuum which is the sum of a collection of disjoint simple closed curves is topologically equivalent to an annulus. (Received March 9, 1949.)

423. O. H. Hamilton: *Transformations topologically equivalent to isometric transformations in Hilbert space.*

It is shown that if T is a pointwise periodic transformation of a point set in an n -dimensional Euclidean space, then T is topologically equivalent to a transformation of a point set in a Hilbert space which leaves the distance between two points invariant. (Received March 17, 1949.)

J. W. T. YOUNGS,
Associate Secretary

THE APRIL MEETING IN STANFORD UNIVERSITY

The four hundred forty-eighth meeting of the American Mathematical Society was held at Stanford University, Palo Alto, California, on Saturday, April 30, 1949. The attendance was approximately 85, including the following 71 members of the Society:

M. I. Aissen, T. M. Apostol, H. A. Arnold, H. M. Bacon, E. M. Beesley, R. L. Belzer, H. F. Bohnenblust, J. L. Botsford, F. A. Butter, Lamberto Cesari, C. L. Clark, F. G. Creese, P. H. Daus, A. C. Davis, E. A. Davis, M. R. Demers, S. P. Diliberto, Roy Dubisch, W. D. Duthie, J. M. G. Fell, G. E. Forsythe, A. L. Foster, R. A. Fuchs, P. R. Garabedian, M. A. Girshick, J. W. Green, Sarah Hallam, G. J. Haltiner, M. A. Heaslet, J. G. Herriot, M. R. Hestenes, R. E. Holdman, R. D. James, Samuel Karlin, J. L. Kelley, R. M. Lackness, Cornelius Lanczos, D. H. Lehmer, Hans Lewy, Eugene Lucacs, Rhoda Manning, W. A. Mersman, A. B. Mewborn, B. C. Meyer, E. D. Miller, F. R. Morris, Ivan Niven, A. M. Ostrowski, Anna Pell-Wheeler, R. S. Phillips, Edmund Pinney, Hugo Ribiero, J. B. Robinson, R. M. Robinson, H. L. Royden, Wladimir Seidel, Max Shiffman, D. C. Spencer, W. M. Stone, Irving Sussman, J. D. Swift, L. H. Swinford, Gabor Szegő, J. L. Ullman, F. A. Valentine, R. L. Vaught, Morgan Ward, D. V. Widder, V. A. Widder, A. R. Williams, František Wolf.

In the morning there was a general session for research papers and for the invited address, *Quadratic forms in the calculus of variations*, by Professor M. R. Hestenes of the University of California, Los Angeles. Professor Max Shiffman presided. In the afternoon there were two sections, pure and applied mathematics, at which Professors D. C. Spencer and Gabor Szegő presided.

After the meetings, those attending were guests at a tea in Stanford Union.