THE CONFERENCE ON FIBER BUNDLES AND DIFFERENTIAL GEOMETRY IN ITHACA

A conference with the title *Fiber bundles and differential geometry* was held at Cornell University from May 3 to 7, 1953. It was supported by a grant from the National Science Foundation to Cornell University. The members of the organizational committee were S. S. Chern, University of Chicago, Samuel Eilenberg, Columbia University, N. E. Steenrod (chairman), Princeton University, R. J. Walker, Cornell University, and Hassler Whitney, Institute for Advanced Study.

In addition to the committee and the mathematicians at Cornell, the following twenty-two mathematicians attended the conference on invitation of the committee:

José Adem-Chahin, Warren Ambrose, Armand Borel, Eugenio Calabi, Alex Heller, F. E. P. Hirzebruch, S. T. Hu, Kunihiko Kodaira, E. G. Kundert, S. D. Liao, W. S. Massey, Deane Montgomery, J. C. Moore, G. D. Mostow, Katsumi Nomizu, Everett Pitcher, Hans Samelson, D. C. Spencer, P. A. Smith, R. L. Taylor, H. C. Wang, and G. W. Whitehead.

The program of the conference consisted of eight sessions with talks as follows:

1. Hans Samelson: *Survey of spectral sequences and the homology theory of bundles.*

W. S. Massey: *Exact couples.*

A. S. Shapiro: *Torsion in fiber bundles.*

2. Samuel Eilenberg: *Survey of the homology theory of groups and recent results on $A(\pi, n)$, $K(\pi, n)$.*

N. E. Steenrod: *Reduced powers, and homology theory of the symmetric groups.*

José Adem-Chahin: *Relations on iterated reduced powers.*

3. J. C. Moore: *Triad groups and the generalized isomorphism theorem of Hurewicz.*

G. W. Whitehead: *Survey of the methods of computing homotopy groups of spheres.*

Hans Samelson: *Pontrjagin products in spaces of loops.*

4. Paul Olum: *Survey of obstruction theory.*

S. D. Liao: *The secondary obstruction in sphere bundles.*

N. E. Steenrod: *The results of Thom and Wu on characteristic classes.*

5. Armand Borel: *Survey of the cohomology of Lie groups and their coset spaces.*