

U.S. Department of the Interior
U.S. Geological Survey

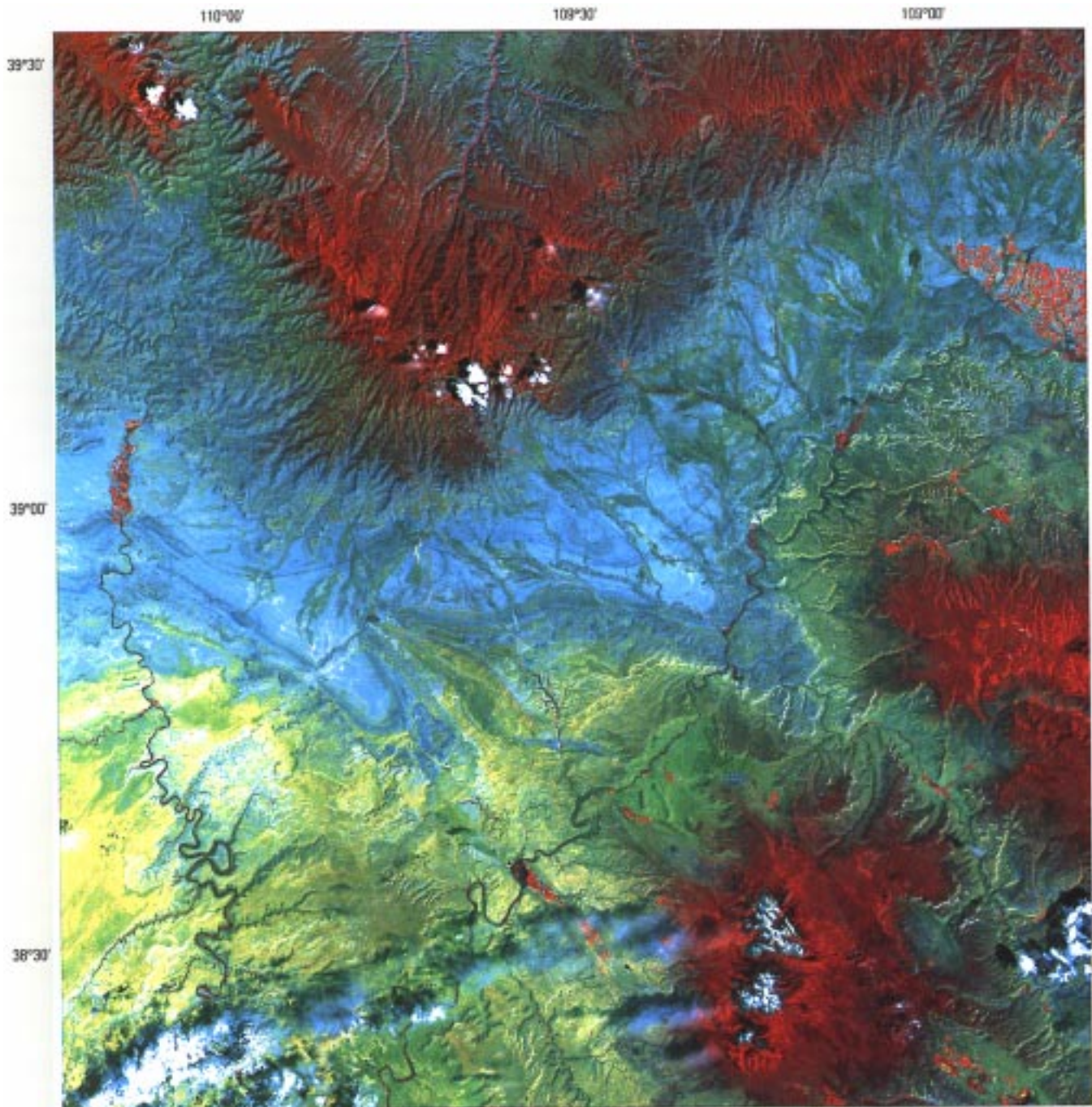
Laccolith Complexes of Southeastern Utah: Time of Emplacement and Tectonic Setting— Workshop Proceedings

U.S. Geological Survey Bulletin 2158



Cover. A flat-topped dike, from G.K. Gilbert, *Geology of the Henry Mountains, U.S. Geographical and Geological Survey of the Rocky Mountain Region (Powell Survey)*, 1880.

**LACCOLITH COMPLEXES OF SOUTHEASTERN UTAH:
TIME OF EMPLACEMENT AND TECTONIC SETTING—
WORKSHOP PROCEEDINGS**



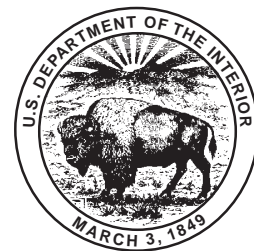
Frontispiece. Landsat 5 Thematic Mapper color-infrared composite image of the northern part of the Paradox Basin and the La Sal Mountain laccolith complex. See page z for generalized geologic map of the area.

Laccolith Complexes of Southeastern Utah: Time of Emplacement and Tectonic Setting— Workshop Proceedings

By Jules D. Friedman *and* A. Curtis Huffman, *Coordinators*

U.S. GEOLOGICAL SURVEY BULLETIN 2158

Application of new geochemical dating techniques, geophysics, and geologic mapping results to the classic problem of the nature and geologic setting of these well-known complexes in order to clarify time of Tertiary volcanism and relationship to regional tectonics



UNITED STATES GOVERNMENT PRINTING OFFICE, WASHINGTON : 1997

U.S. DEPARTMENT OF THE INTERIOR

BRUCE BABBITT, Secretary

U.S. GEOLOGICAL SURVEY

Gordon P. Eaton, Director

For sale by U.S. Geological Survey, Information Services
Box 25286, Federal Center
Denver, CO 80225

Any use of trade, product, or firm names in this publication is for descriptive purposes only and does not imply endorsement by the U.S. Government

Library of Congress Cataloging-in-Publication Data

Laccolith complexes of southeastern Utah : time of emplacement and tectonic setting : workshop proceedings / [edited] by Jules D. Friedman and A. Curtis Huffman, coordinators.

p. cm. — (U.S. Geological Survey bulletin ; 2158)

Report of a workshop held in Denver, Colo., July 6-7, 1992.

Includes bibliographical references.

Supt. Of Docs. No.: I 19.3:2158

1. Laccoliths—Utah—Congresses. 2. Geology, Stratigraphic—Tertiary—Congresses.
3. Geology—Utah—Congresses.

I. Friedman, Jules D. II. Huffman, A.C. III. Series.

QE75.B9 no. 2158

[QE611.5.U5]

557.3 s—dc20

[551.8ç8}

96-26993

CIP

In Memoriam

Eugene M. Shoemaker
April 28, 1928—July 18, 1997

Charles B. Hunt
August 9, 1906—September 3, 1997

[Next section](#) →