

PHOTOGRAMMETRIC ENGINEERING and REMOTE SENSING

Volume XLV

October 1979

Number 10

COVER PHOTO — This controlled, standard false-color Landsat mosaic of Alaska has recently been constructed by Naim Albert, Clint Steele, and Ron LeCompte (U.S. Geological Survey, Geologic Division, Branch of Alaska Geology). Copies of the mosaic, which includes 143 Landsat scenes, are available at 1:1,000,000, 1:2,500,000, 1:5,000,000, and 1:9,000,000 scales from the EROS Data Center, Sioux Falls, South Dakota. Rectification of imagery in the northern part of the state, printing of the individual scenes into Cibachrome, and photography of the constructed mosaic were conducted by Jim Penrod and Homer McMahon (Photo Science Incorporated, Gaithersburg, Maryland).

TECHNICAL ARTICLES

- Landscape Drawing from Landsat MSS Data
Dr. Sotaro Tanaka and Yuzo Suga1345
- Digitally Controlled Production of Orthophotos and Stereo-Orthophotos
K. Kraus, G. Otepka, J. Loitsch, and H. Hartzmann1353
- Geometrical Quality of Stereo-Orthophotos Produced from Automatic Image Correlation Data
Marius C. van Wijk1363
- Testing Land-Use Map Accuracy: Another Look
Michael E. Ginevan1371
- Estimating Irrigated Land Acreage from Landsat Imagery
Robert C. Heller and Kim A. Johnson1379
- Landsat Assisted Forest Land-Cover Assessment of the Philippine Islands
Henry M. Lachowski, David L. Dietrich, Ricardo Umali, Edgardo Aquino, and Virgilio Basa1387
- Remote Sensing the White River in Vermont
William MacConnell and William Niedzwiedz1393

(Continued on page 1305)

Second-class postage paid at Falls Church, Virginia and at additional mailing offices.

Photogrammetric Engineering and Remote Sensing (ISSN 0099-1112) is published monthly by the American Society of Photogrammetry, 105 N. Virginia Ave., Falls Church Virginia 22046. Publication Office—Everybodys Press, Hanover, Pa. 17331. (Also see Notice on second following page.)

Copyright 1979 by the American Society of Photogrammetry. Reproduction of this issue or any part thereof (except short quotations for use in the preparation of technical and scientific papers) may be made only after obtaining the specific approval of the Editor.

The Society is not responsible for any statements made or opinions expressed in the technical papers, advertisements, or other portions of this Publication.

MEMBERSHIP RATES: Membership in the American Society of Photogrammetry is open to any person actively engaged in the practice of Photogrammetry, Photo-interpretation and Remote Sensing, or who by means of education or profession is interested in the application or development of these arts and sciences. The annual dues for Regular members are \$20.00 which includes a \$10.00 member subscription to the Society's official journal, "Photogrammetric Engineering and Remote Sensing." The annual dues for accredited student members are \$7.00 which includes a \$5.00 student subscription to the official journal.

SUBSCRIPTION RATES: Persons or organizations that are not affiliated with the Society may obtain non-member subscriptions to Photogrammetric Engineering and Remote Sensing in accordance with the following schedule:

- Non-member subscription . . . \$30.00 per year (calendar)
 - Student* non-member subscription . . . \$10.00 per year (calendar)
- (*Students must submit evidence of enrollment)

Printed in the United States of America.