

PHOTOGRAMMETRIC ENGINEERING and REMOTE SENSING

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COVER PHOTO—Radar imagery at a scale of approximately 1:1,000,000 of geologic structure and topographic variations near Knoxville, Tennessee (light spot along river near left edge) was obtained July 8, 1978, by Seasat A's Synthetic Aperture Radar (SAR). Three distinctive types of topographic terrain are seen: Great Smoky Mountains at the bottom; the folded Appalachians trending northeast (right) to southwest; and the Cumberland overthrust adjacent to the Appalachian Plateau at the top. Other features clearly recognizable are reservoirs on the Tennessee River and its tributaries (center). An ocean-monitoring satellite, Seasat is also capable of continental measurements with its payload of day-night, all-weather microwave sensors. This strip cuts across the upper-right corner of the Landsat II image shown the cover of the July 1977 issue of the journal. Submitted by Jet Propulsion Laboratory, Pasadena, California.

TECHNICAL ARTICLES

- Flight Path Curvature Distortion in Side-Looking Airborne Radar Imagery
Chi-Hai Ling, Lowell A. Rasmussen, and W. J. Campbell.....1255
- Photogrammetric Positioning of Supersonic Wind Tunnel Models
Dr. Uzi Ethrog.....1261
- Computers and the Teaching of Airphoto Interpretation
Alan D. Jones.....1267
- Surface Texture Analysis with Thermal and Near Infrared Scanners
Arnaldo M. Tonelli.....1273
- Densitometry on Multi-Emulsion Imagery
Dr. Frank L. Scarpace.....1279

(Continued on page 1213)

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(Continued from page 1211)

A Method of Determining Spectral Analytical Dye Densities <i>Dr. F. L. Scarpace and G. A. Friederichs</i>	1293
The Blue-to-Green Reflectance Ratio and Lake Water Quality <i>Kenneth R. Piech, John R. Schott, and Kenton M. Stewart</i>	1303
NEWSLETTER.....	1315
PROFESSIONAL PLACEMENT	1313
ENGINEERING REPORTS	1311
FORTHCOMING ARTICLES.....	1260
ASP-ACSM 1979 ANNUAL CONVENTION	1266
BOOK REVIEW, <i>Remote Sensing: A Handbook for Archeologists and Cultural Resource Managers</i>	1292
HANDBOOK OF REMOTE SENSING IMAGERY OF CONNECTICUT AVAILABLE ...	1301
OPTICAL SCIENCE AND ENGINEERING SHORT COURSE.....	1310
INVENTORY OF PROGRAMS IN SCIENCE, MATHEMATICS, AND ENGINEERING FOR WOMEN AND GIRLS	1310
SOCIETY AFFAIRS	
Officers of the Society.....	1215
List of Sustaining Members	1219
New Sustaining Member, <i>Fugro Geometrics, Inc</i>	1265
New Sustaining Member, <i>Systemhouse, Ltd.</i>	1272
Publications.....	1302, 1320
JOURNAL ADMINISTRATION	
Index to Advertisers	1217
What <i>Photogrammetric Engineering and Remote Sensing</i> is	1217
Notice to Contributors	1278
Journal Staff	1278
Errata	1301

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