PHOTOGRAMMETRIC ENGINEERING and REMOTE SENSING

Volume XLVII **June 1981** COVER PHOTO—A band 4, 5, 7 (blue, green, red) linear stretched color composite of the Gulf of Suez, taken 30 June 1980. The full color Landsat image was recorded directly on Kodak high-speed Ektachrome, eliminating the requirement of multi-film registration for color compositing. Submitted by Optronics International Inc., Chelmsford, Massachusetts. TECHNICAL ARTICLES New Instrumentation for Direct Photogrammetric Mapping Joachim K. Höhle and Alfred Jakob761 Planar Displacement by Motion Parallax Kam W. Wong and Alan P. Vonderohe769 A Capture-Recapture Approach for Estimation of Detection Probabilities in Aerial Surveys L. Daniel Maxim, Leigh Harrington, and Mary Kennedy......779 Intensity Versus Extent of Coverage L. Daniel Maxim, Harrison D. Weed, Leigh Harrington, and Mary Kennedy789 Aircraft Active Microwave Measurements for Estimating Soil Moisture T. J. Jackson, A. Chang, and T. J. Schmugge801 Hydrogeology of Glacial Deposits from Aerial Photographs E. Karl Sauer811 Use of 35-mm Color Aerial Photography to Acquire Mallard Sex Ratio Data Edgar L. Ferguson, Dennis G. Jorde, and John J. Sease823 (Continued on page 717)

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.)

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Printed in the United States of America.

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