Photogrammetric Engineering

| Volume XXII | September, 1956 | Number 4 |
|--|---|------------------------------|
| Volume AAII | | Trumber 4 |
| | CONTENTS | |
| Board of Direction and Co The Society Has a New Wa Information and Order For | s mmittee Chairmen ashington Office m for MANUAL OF PHOTOGRAMMETRY Photography for Use in Photogrammetric | . 597 . 599 . 602, 604 |
| Robert N. Colwell | al and Photographic Calibrations of A | 613 ir Survey |
| Cameras— | | |
| | 1 H. Brown | 623 |
| The Future of Your Profes | | 626 |
| | pald | |
| Informal Discussion of | f Papers by Participants— | |
| Discussion | | |
| | nic Coordinates, Flight Heights, and True Or | ientations |
| | s of Aerial Photographs— | 637 |
| | Prof. A. J. McNair | |
| History of Stabilization | | RERALI |
| | <i>llme</i> , Moderator | 646 |
| | ved in Military Reconnaissance Requirement | ts and the |
| 11 | abilization to Their Solution— | ~ 1 8 |
| | Duin Comany Mount Using Dauta Earos Stabi | |
| | Γwin Camera Mount Using Brute Force Stab et . | |
| | gration of Stabilized Mounts into Photo S | |
| | | |
| | ion with Installing Cameras Inside the P | ressurized |
| Compartment- | | |
| Raymond I. B | Beck | 650 |
| | (Continued on page 589) | |

Entered as second-class matter at the Post Office at Menasha, Wisconsin, under the Act of August 24, 1912. Additional entry as second-class matter at the Post Office at Washington, D. C. Acceptance for mailing at the special rate of postage provided for in section 34.40, paragraph d, P.L.&R.

Published five times a year, during the months of March, April, June, September and December, by the American Society of Photogrammetry. Publication Office 450-458 Ahnaip St., Menasha, Wis. and at Society's Address-1515 Massachusetts Ave., N.W., Washington 5, D. C. The Editor's address is 3523 Raymond St., Chevy Chase 15, Md.

Copyright 1956 by the American Society of Photogrammetry. Reproduction of this issue or any part thereof, may be made only after obtaining the specific approval of the Society's Chairman of the Publications Committee.

The Society is not responsible for any statements made or opinions expressed in its Publications

Subscription Rates-No charge to Society members in good standing; \$6 annually for subscribers in United States and its possessions; and \$6.50 annually, elsewhere. Society pays the postage. Price of individual back numbers-in U. S. and its possessions, \$1.75 per copy for single purchase of 3 or less and \$1.65 per copy, for 4 or more; elsewhere \$1.85 per copy for single purchase of 3 or less and \$1.75 per copy, for 4 or more. Orders for subscriptions or for individual copies should be sent to the Society's address.

Printed in the United States of America

(Continued from page 587)

| New Photo Installation Especially on New High Performance Aircraft- | |
|--|-----|
| Harry Alter | 551 |
| Ex-Temporaneous Statement— | |
| | 552 |
| | 553 |
| A Report on Application of Aerial Photography to Urban Land-Use Inventory, | |
| Analysis and Planning- | |
| | 556 |
| Vertical Aerotriangulation Adjustment Utilizing Electronic Computers- | |
| | 564 |
| A New Look At Lens Distortion— | |
| | 566 |
| Nomographic Solution to Oblique Photo Mensuration- | |
| | 574 |
| Problems of Relative Orientation— | |
| | 592 |
| Airphoto Inventory of Pulpwood in Water Storage— | 174 |
| | 596 |
| H. E. Young, R. E. Laverty and E. G. Stoeckeler | 190 |
| | 702 |
| William P. MacConnell 7 The Stereomodel, How It Is Formed and Deformed— | 02 |
| | 708 |
| | 08 |
| Sources of Error in Various Methods of Airplane Camera Calibration- | 27 |
| Francis E. Washer | 21 |
| Reduction Process of Resection Problems by Photogrammetric Rectifiers— | |
| | 741 |
| | 49 |
| Data, Range and Adjustment of Affinity Transformations in Photogrammetric | |
| Rectifiers— | |
| | 750 |
| | 63 |
| Measuring Accuracy and Its Relation to Model Deformations and Other Measure- | |
| ments in a Stereo Model | |
| | 764 |
| Photogrammetry Takes the Position of the Third Man- | |
| Gomer T. McNeil | 78 |
| | 779 |
| News Notes | 80 |
| | 85 |
| News of Photogrammetrists | 86 |
| Resolving Power | 87 |
| Advertising in Photogrammetric Engineering—Rates and Information | 89 |
| Application for Corporate Membership and Student Membership | |
| | 591 |
| A DUALU AUVELLISEIS | 171 |

COLUND AERIAL SURVEYS, INC. pittsfield massachusetts SERVING U. S. AND CANADA