

Photogrammetric Engineering

Volume XXIV

JUNE, 1958

Number 3

CONTENTS

COVER PAGE—DR. LAURENCE GOULD, KEYNOTE SPEAKER

List of Sustaining Members	329
Board of Direction and Committee Chairmen	335
Information and Order Form for MANUAL OF PHOTOGRAMMETRY	342, 344
Announcement	389

TECHNICAL PAPERS

Earth Satellite Photogrammetry <i>Paul Rosenberg</i>	353
Keynote Address <i>Dr. Laurence Gould</i>	361
History from the Air <i>H. L. Cameron</i>	366
The Role of Photogrammetry in an "Open Skies" Program <i>George D. Whitmore</i>	376
An Application of Models and Stereo Images to Teaching Photographic Geometry <i>Raymond M. Nelson</i>	383
Photogrammetric Map Accuracy <i>L. L. Funk</i>	392
Photogrammetry and Road Location in the U. S. Forest Service <i>C. E. Carnahan</i>	404
Mapping of the Ungava Peninsula <i>S. G. Gamble</i>	410
Aerial Survey of Graham Land <i>P. G. Mott</i>	415

(continued on p. 325)

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 1958 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 p. 323)

Design of a Family of Telephoto Optical Systems <i>Everett L. Merritt</i>	428
The Digital Terrain Model—Theory & Application <i>C. L. Miller and R. A. Laflamme</i>	433
Orthophotography—Its Techniques and Applications <i>Rupert B. Southard, Jr.</i>	443
The Photo-Contour Map: A Topographic Map at Accepted Accuracy Standards where Planimetric Detail is Provided by the Aerial Photographic Image <i>Richard O. Mahan</i>	451
Investigation of an Integrated Mapping System <i>Leon J. Kosofsky</i>	458
Photogrammetric Mapping of Sand Beds in a Hydraulic Test Flume <i>Morris M. Thompson</i>	468
ANNUAL MEETING	
Officers & Committees	476
Program	477
Exhibitors	479
Committee Reports	481
Awards Night and Business Meeting	497
News Notes	336, 442, 475
Application for Subscription to PHOTOGRAMMETRIC ENGINEERING	509
Advertising in PHOTOGRAMMETRIC ENGINEERING—Rates and Information	510
Application for Corporate Membership	511
Index to Advertisers	327

Established 1910

JAMES W. SEWALL COMPANY
OLD TOWN, MAINE

FOREST ENGINEERING
TOPOGRAPHIC MAPPING
AERIAL SURVEYS

BRANCH: James W. Sewall Co. (Canada) Ltd.
Fredericton, New Brunswick