Photogrammetric Engineering

Volume XXIII SEPTEMBER, 1957 Number 4 CONTENTS COVER PAGE: Thruway near Saugerties, N. Y. Photo provided through the courtesy of Fairchild Aerial Surveys, Inc. List of Sustaining Members . 633 Board of Direction and Committee Chairmen 641 Order Form for Manual of Photogrammetry 646 Society Announcements . . . 651 TECHNICAL PAPERS Conditions to Be Fulfilled by a Rational System of Analytical Aerial Triangulation Robert Zurlinden 659 Metrical Photography Gomer T. McNeil . 667 Some Developments and Trends in Photogrammetry 1946-1956-1966 Lyle G. Trorey. 679 Basic Requirements for Charting Photography Duane Lyon 685 The Application of the Balplex Plotter to Trimetrogon Obliques Rae Alden Stewart 697 An Operational Report on Stereo-Templets Harold J. McMillen 708 A Do-It-Yourself Terrain Model August E. Battisfore . . 713 Methods of Computing Cantilever Control Extension 717

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Prism Effect, Camera Tipping, and Tangential Distortion

Francis E. Washer

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