

PHOTOGRAMMETRIC ENGINEERING and REMOTE SENSING

Volume L

August 1984

Number 8

COVER PHOTO — This view, with northwest to the top, is of the Hemisphere Convention Center, San Antonio, Texas, site of the 1984 Fall Convention. The photography was taken on 23 February 1984 with a Wild RC-10 camera equipped with a 153-mm focal length lens and using Kodak 2445 MS film. Flight height was 1200 feet above the terrain, f-stop 5.6, shutter speed 1/200 second, with a 420-mm color filter, photographed by Richard Drawietz and processed by Precision Photo Lab.

The red-roofed building in the center is the Hemisfair Tower of the Americas and is 622 feet tall. The photo is virtually shadow free, and the Tower is centered, showing no hint of its actual height. This is a major San Antonio landmark, one which you will visit while attending the Fall Convention. Photography provided by Williams-Stackhouse Incorporated, San Antonio, Texas.

- Network Design Considerations for Non-Topographic Photogrammetry
Clive S. Fraser 1115
- Volume Uncertainty of a Large Tank Calibrated by Photogrammetry
J. D. Siegwarth, J. F. LaBrecque, and C. L. Carroll 1127
- DPS—A Digital Photogrammetric System for Producing Digital Elevation Models and Orthophotos by Means of Linear Array Scanner Imagery
O. Hofmann, P. Navé, and H. Ebner 1135
- Consequences of Enlarging 35-mm Aerial Photography
Ted D. Needham and James L. Smith 1143
- New Town Monitoring from Sequential Aerial Photographs
C. P. Lo and C. Y. M. Wu 1145
- Estimating Vegetation Coverage in St. Joseph Bay, Florida with an Airborne Multispectral Scanner
Kenneth J. Savastano, Kenneth H. Faller, and Richard L. Iverson 1159

(Continued on page 1077)

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, 210 Little Falls Street, Falls Church, Virginia 22046. Publication Office—The Sheridan Press, Hanover, Pa. 17331. (Also see Notice on second following page.)

Copyright 1984 by the American Society of Photogrammetry. Reproduction of this issue or any part thereof (except short quotations for use in the preparation of technical and scientific papers) may be made only after obtaining the specific approval of the Editor.

The Society is not responsible for any statements made or opinions expressed in the technical papers, advertisements, or other portions of this Publication.

MEMBERSHIP RATES: Membership in the American Society of Photogrammetry is open to any person actively engaged in the practice of Photogrammetry, Photointerpretation and Remote Sensing, or who by means of education or profession is interested in the application or development of these arts and sciences. The annual dues for Regular members are \$40.00 which includes a \$20.00 member subscription to the Society's official journal, *Photogrammetric Engineering and Remote Sensing*. The annual dues for accredited student members are \$15.00 which includes an \$8.00 student subscription to the official journal. (All memberships are on a calendar year basis.) Add \$5 for all international memberships to cover cost of postage. Postmaster: send address changes to the American Society of Photogrammetry, 210 Little Falls Street, Falls Church, Virginia 22046.

SUBSCRIPTION RATES: Persons or organizations that are not affiliated with the Society may obtain non-member subscriptions to *Photogrammetric Engineering and Remote Sensing* in accordance with the following schedule:

Non-member subscription . . . \$65.00 per year (calendar)
Add \$5 for international subscriptions.

Printed in the United States of America.

(Continued from page 1075)

Landsat-4 Thematic Mapper and Thematic Mapper Simulator Data for a Porphyry Copper Deposit Michael J. Abrams	1171
Landsat-Aided Forest Site Type Mapping Tuomas Häme	1175
50th Anniversary Highlights: Economic Impact of World Wide Mapping Arthur J. Brandenburg	1185
NEWSLETTER	1199
PROFESSIONAL PLACEMENT	1197
ENGINEERING REPORTS	1191
ASP/ACSM 1984 FALL CONVENTION	1126
CALL FOR PAPERS, COLLOQUIUM ON SURVEYING AND MAPPING EDUCATION	1142
SHORT COURSES, GEORGE WASHINGTON UNIVERSITY CONTINUING ENGINEERING EDUCATION	1170
FOURTH ANNUAL MEETING, NORTH AMERICAN CARTOGRAPHIC INFORMATION SOCIETY .	1183
CALL FOR PAPERS, AUTO-CARTO 7	1196
MID-SOUTH REGION SYMPOSIUM	1204
PROGRAM HIGHLIGHTS—1984 ASP-ACSM FALL CONVENTION	1205
SOCIETY AFFAIRS	
Officers of the Society	1079
Sustaining Members	1083
Manual of Remote Sensing, Second Edition	1174
ASP Publications	1190
ASP Membership Applications	1215
President's Page	1212
JOURNAL AFFAIRS	
Permission to Photocopy	1077
Index to Advertisers	1081
What <i>Photogrammetric Engineering and Remote Sensing</i> is	1081
Forthcoming Articles	1125
Errata	1174

Permission to Photocopy

The appearance of the code at the bottom of the first page of an article in this journal indicates the copyright owner's consent that copies of the article may be made for personal or internal use or for the personal or internal use of specific clients. This consent is given on the condition, however, that the copier pay the stated per copy fee of \$2.25 through the Copyright Clearance Center, Inc., 21 Congress Street, Salem, MA 01970, for copying beyond that permitted by Sections 107 or 108 of the U.S. Copyright Law. This consent does not extend to other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works, or for resale.

NOTICE: Correspondence relating to all business and editorial matters pertaining to this and other Society publications should be directed to the American Society of Photogrammetry, 210 Little Falls Street, Falls Church, VA 22046, including inquiries, memberships, subscriptions, changes in address, manuscripts for publication, advertising, back issues, and the MANUALS OF PHOTOGRAMMETRY AND REMOTE SENSING. The telephone number of the Society Headquarters is (703) 534-6617.
