1962 ACSM-ASP CONVENTION に出席して

大贺健次*  

American Congress on Surveying & Mapping (ACSM) の第 22 回年次総会が 3 月 11 日から 14 日まで、American Society of Photogrammetry (ASP) の第 28 回年次総会が 3 月 14 日より 17 日まで、これに付随する展示会が 3 月 13 日から 15 日まで、以上の 3 つが合同で例年通り Washington D.C. の Shoreham Hotel で開催されました。筆者は幸にもこの大会に出席する機会を得ましたので日本写真測量学会から ASP に宛てたメッセージを持参して大会委員長 Mr. Rupert B. Southard, Jr. に手渡しとし、所非常に喜ばれ、重さ御挨拶を受けました。

ACSM の総会には 36 件の講演があり、そのうち技術的なもののが 3 件及び講演者は次通りでした。

CARTOGRAPHIC DEVELOPMENT OF A PROPOSED NEW STYLE 1:250,000 TOPOGRAPHIC MAP
Anthony Sorrentino (Army Map Service)

MAPPING REQUIREMENTS FOR WATER RESOURCE DEVELOPMENT IN CONNECTION WITH FOREIGN AID PROGRAMS
Odin S. Hanson (Bureau of Reclamation)

TIME REDUCTION TOOLS FOR THE CARTOGRAPHER-COMPILER
Ernest R. Swanson
(Aeronautical Chart and Information Center)

PRINTING MANAGEMENT FOR MAPS AND CHARTS AS EXERCISED IN THE COAST AND GEODETIC SURVEY
Robert B. Rollins (U.S. Coast & Geodetic Survey)

IMPORTANCE OF DRAINAGE PORTRAYAL ON TOPOGRAPHIC MAPS
William J. Schneider (U.S. Geological Survey)

FIELD MAPPING IN YEMEN
Clifford V. Eckhardt (U.S. Geological Survey)

FEDERATION INTERNATIONALE des GEOMETRES REPORT
Shirley V. Griffith (Bureau of the Budget)

FEDERATION INTERNATIONALE des GEOMETRES REPORT ON AUTOMATION IN MAPPING
William C. Cude (GIMRADA)

INTERNATIONAL ACTIVITIES IN SURVEYING AND MAPPING
George D. Whitmore (U.S. Geological Survey)

BLUE NILE GEODETIC SURVEYS OR SADDLES FOR GONDAR
Cdr. Don A. Jones
(U.S. Coast and Geodetic Survey)

APPLICATION OF ARTIFICIAL SATELLITES TO SPECIAL SURVEYS
S.W. Henriksen (Army Map Service)

GEODETIC AND SURVEY MAPPING OPERATIONS-LIBYA
Colonel Robert C. Miller (Army Map Service)

TOPOGRAPHIC LUNAR MAPPING AT THE ARMY MAP SERVICE
Albert L. Nowicki (Army Map Service)

A PROPOSED SYSTEM OF CONTROL FOR URBAN SURVEYING AND MAPPING OPERATIONS
K. W. Bauer (Southeastern Wisconsin Regional Planning Commission)

IMPACT OF AIR TRAFFIC CONTROL SYSTEMS DEVELOPMENT ON AERONAU-
TICAL CHARTING
Frank E. McClung
(U.S. Coast and Geodetic Survey)

THE CHALLENGE OF DEEP OCEAN HYDROGRAPHIC SURVEYS
Arthur Malloy (U.S. Navy Hydrographic Office)

PRINTING IN DIMENSION (3-D EFFECTS ON FLAT MAPS)
Lynn R. Wickland (Army Map Service)

APPLICATION OF THE SEQUENTIAL CAMERA
William R. Gregg
(Aeronautical Chart and Information Center)

INTERNATIONAL GREAT LAKES DATUM (1955)
William T. Laidly (U.S. Army Engineer District
Lake Survey, Corps of Engineers)

PROBLEMS OF INTENSIVE HORIZONTAL CONTROL FOR EXTENSIVE AREAS
Ira H. Alexander (Los Angeles County Engineer)

ADVANCED DEVELOPMENTS IN SURVEYING
C. Edward Westerman (GIMRADA)

WHAT IS A GRAVITY ANOMALY?
Kenneth I. Daugherty
(Aeronautical Chart and Information Center)

SOME NEW APPLICATIONS WITH THE MODEL 4B GEODIMETER VERTICAL CONTROL
Robert G. Watto

TRILATERATION
W.H. Dougherty (AGA Corporation of America)

MAPPING OF UNDERWATER FEATURES
Dr. George H. Keller and Charles W. Culkin
(U.S. Navy Hydrographic Office)

TIROS PHOTOGRAPHY AND ICE RECONNAISSANCE
August Battisfore (U.S. Hydrographic Office)
Robert W. Popham (U.S. Weather Bureau)

TOPOGRAPHIC MAPPING OF UNUSUAL FEATURES
John B. Rowland (U.S. Geological Survey)

LARGE SCALE MAPPING
A.O. Quinn (Aero Service Corporation)

AIRBORNE ELECTRONIC SYSTEMS FOR MAPPING
Albert B. Jacobs
(Operations, Autometric Corporation)

COGO-A COMPUTER LANGUAGE FOR SURVEYORS
Charles L. Miller and Santiago E. Quesada Alvarey
EVALUATION OF CARTOGRAPHIC PRODUCTS, METHODS AND EXPRESSION
Thomas C. Finnie
(Aeronautical Chart and Information Center)

THE EXPANDING ROLE OF THE U.S. NAVY HYDROGRAPHIC OFFICE IN THE FIELDS OF SURVEYING AND MAPPING
Rear Admiral E.C. Stephan
(U.S. Navy Hydrographic Office)

KEEPING ABRIDGEOF INSTRUMENTATION DEVELOPMENT
Alfred E. Busch
(Kuefbel and Esser, Hoboken, New Jersey)

ADEQUATE MAPS-FORERUNNER OF PROGRESS
William S. Massa (Tennessee Valley Authority)

Panel Discussion about THE DEVELOPMENT OF SPECIAL SCHOOLS FOR TEACHING SURVEYING, or THE ENLARGEMENT OF THE SURVEYING PROGRAM IN SELECTED UNIVERSITIES (oral discussion)
Professor John O. Eighler (Georgia School of Technology)
Professor Sumner Irish (Princeton University)
Professor Kenneth Curtis (Purdue University)
Professor Robert Turpin (University of Texas)
Professor Carl Mayer (Worcester Polytechnic Institute)

次にASPの総会には41件の講演がありそのうち技術的なものが多く、講演者は次の通りでした。

SMALL SCALE PHOTOGRAMMETRIC MAPPING WITH THE SUPER WIDE-ANGLE SYSTEM

講演会場
G. Bormann (Wild-Heerbrugg Instruments, Ltd.)
A TEST OF 70mm FORMAT, 1½ INCH FOCAL LENGTH PHOTOGRAPHY FOR TOPOGRAPHIC MAP COMPILATION
Richard F. Gettys (U.S. Navy Hydrographic Office)
THE AERIAL MAPPING AND SURVEY SYSTEM, AN/USQ-28
Major W.M. Robson
(Air Photographic and Charting Service)
ULTRA WIDE-ANGLE MAPPING
J. Wiley Halbrook (GIMRADA)
THE HISTORY OF THE MULTIPLEX
Heing Gruner (Bausch and Lomb, Inc.)
A USE OF APR FOR MAPPING CONTROL IN DIFFICULT TERRAIN
D.A. Mac Fadyen (Hunting Survey Corp., Ltd.)
HIGH LEVEL PHOTO/APR IN THE CANADIAN ARCTIC
A.F. Soutar (Hunting Survey Corp., Ltd.)
NEW EQUIPMENT TO AID THE CHART REVISION PROBLEM
A.S. Zieno (Rome Air Development Center)
A CONSIDERATION OF THE FACTORS AFFECTING RESOLUTION OF VIBRATION ISOLATED CAMERAS
Richard Casper (Aeroflex Laboratories, Inc.)
THE PHOENIX APR-HIRAN TEST
Frank W. Masek (Army Map Service)
PRACTICAL TESTS OF THE THEORETICAL ACCURACY OF AERIAL TRIANGULATION
Dr. K. Bertil Hallert
(Royal Institute of Technology, Stockholm)
DETERMINATION ON THE CELESTIAL ORI-

ENTATION, ROTATIONAL RATE, AND TRIAXIAL DATUM CONSTANTS OF THE MOON WITH SATELLITE PHOTOGRAPHY
Everett L. Merritt (Autometric Corp.)
THE ORIENTATION MATRIX IN ANALYTICAL PHOTOGRAMMETRY
Randall D. Esten (GIMRADA)
NORMAL ANGLE CAMERA CALIBRATOR
Gomer T. McNeil (Photogrammetry, Inc.)
THE U.S.G.S. CAMERA CALIBRATOR
Russel K. Bean (U.S. Geological Survey)

PSYCHOLOGICAL CONCEPTS OF VISION
Carl Huffaker (Kelsh Instrument Corp.)
THE USE OF ZOOM SYSTEM IN PHOTOGRAMMETRY
George F. Ziegler (Bausch and Lomb, Inc.)
PHOTOMETRIC AND VISUAL COMPI-

LATION OF LUNAR CHARTS
William D. Cannell
(Aeronautical Chart and Information Center)
PRELIMINARY TEST RESULTS OF THE ANALYTICAL STEREOPLOTTER
Robert W. Shearer
(Rome Air Development Center)
ANALYTICAL PLOTTER DEVELOPMENTS AT O.M.I.
S. Jack Friedman
(O.M.I. Corporation of America)
THE CASE FOR FIRST-ORDER PHOTOGRAMMETRY
Thomas M. Schafer (Abrams Aerial Survey Corp.)
REPORT ON ANALYTIC AEROTRIANGULA-

TION

William D. Harris
(U.S. Coast and Geodetic Survey)
RAMO-WOOLDRIDGE AUTOMATIC MAP
COMPILATION SYSTEMS
Dr. Sidney Bertram
(Thompson Ramo Wooldridge, Inc.)
THE SUPRAGRAPH-A NEW MAXIMUM PRECIS-
SION PLOTTER WITH MECHANICAL ANALOG
COMPUTERS
Herbert Trager (Zeiss-Aerotopograph)
DIGITAL TECHNIQUES IN PHOTOGRAMMET-
RIC EQUIPMENTS
F. Bolnick (Fairchild Camera and Instrument Corp.)
PERFORMANCE CHARACTERISTIC OF A
SLIT-SCAN PHOTOGRAMMETRIC ELECTRO-
NIC RECTIFIER
Dr. Samuel W. Levine
(Fairchild Camera and Instrument Corp.)
AN AUTOMATIC MOSAICKING SYSTEM
Abraham Anson (GIMRADA)
MATHEMATICAL ANALYSIS AND OPTIMUM
SAMPLING FOR AN ORTHOPHOTOSCOPE
M. Halberstam (Automatic Corp.)
A PHOTOGRAMMETRIC SHIP POSITIONING
SYSTEM
Nelson C. Vance (U.S. Navy Hydrographic Office)
COMPARISON OF IMAGING GEOMETRY FOR
RADAR AND CAMERA PHOTOGRAPHS
Earl S. Leonardo (Goodyear Aircraft Corp.)
AN ANALYTICAL AND EXPERIMENTAL
STUDY OF STEREOP FOR RADAR
George L. La Prada (Goodyear Aircraft Corp.)
IMPROVING THE BIG PICTURE
Robert E. Frost (U.S. Army Cold Regions Re-
search and Engineering Laboratory)
IMAGE INFORMATION PROCESSING FOR
PHOTO INTERPRETATION
Thomas W. Richards
(IBM Federal System Division)
TRENDS IN AUTOMATIC INTERPRETATION
J.A. Stringham (Rome Air Development Center)
NEW LENSES FOR AERIAL SURVEY AND
PHOTO INTERPRETATION
G. Bormann (Wild-Heerbrugg Instruments, Ltd.)
APPLIED PHOTOGRAPHIC TECHNIQUES IN
HIGH DEFINITION REPRODUCTIONS OF
AERIAL PHOTOGRAPHY
Alex Jablonski, Jr.
(Aeronautical Chart and Information Center)
A PHOTOGRAPHIC EDGE-ISOLATION TECHNIQUE
Alva B. Clarke (U.S. Geological Survey)
PHOTOGRAMMETRY'S NEW HORIZON-AERIAL
COLOR PHOTOGRAPHY
William J. Nagel (Ansco)
THE FOCATRON-IMAGE SHARPNESS QUAN-
TIZER
Dwin R. Craig (Log Electronics, Inc.)
NON-UNIFORM DIMENSIONAL CHANGES IN
TOPOGRAPHIC AERIAL FILMS
P.Z. Adelstein (Eastman Kodak Co.)
以上の方々は Panel Discussion があり
COMPUTATIONAL PHOTOGRAMMETRY と題
して下記 10 名の方々が討論されました。
C.A. Whitten (U.S. Coast and Geodetic Survey)
G.H. Rosenfeld (RCA Service Company)
H.H. Schmid (Aberdeen Proving Ground)
Carl Born (Army Map Service)
J.M. Dowdy (North American Aviation Company)
Morris McKenzie (U.S. Geological Survey)
P.J. Nolan (Fairchild Camera and Instrument Corp.)
John Sharp (International Business Machine Corp.)
L.I. Sherry (Fairchild Camera and Instrument Corp.)
S.B. Irish (Princeton University)
展示会には各国のメーカー 66 社が最新の器材を陳
列していまった。米国の各ルールの興味深い数々の
参考品を出品し、会期中連日多数の参観者がつめかけ
ていましたが、この内容については省略させていただ
きます。
以上誠に簡単ですが 1962 ACSM-ASP CONVEN-
TION の報告を終えます。最後に私が今回この会議に
出席するにつきまして御援助を賜りました方々に誌面
を借りて心より御礼申し上げると同時にこの会議につ
いて更に詳細な情報を御希望の方には出来る限りの御
協力を致し度いと考えております。