REPORT OF PHOTOGRAMMETRIC MAPPING IN THE FEDERAL GOVERNMENT

Map Information Office, Geological Survey

U. S. Department of the Interior

DURING the past year a considerable number of new aerial photography projects were initiated in the United States. Also, work was resumed on the remaining few older projects which had been started before the war and subsequently discontinued in favor of more urgent war work. The sum total of these active projects amounts approximately to 400,000 square miles of area. The photography is intended for use by the following government agencies:

Bureau of Reclamation
Department of the Interior

Forest Service
Department of Agriculture

Geological Survey
Department of the Interior

Surveys and Maps Division
Tennessee Valley Authority

Army Map Service (C of E)
War Department

Soil Conservation Service
Department of Agriculture

Coast and Geodetic Survey
Department of Commerce

Production and Marketing Administration
Department of Agriculture

The above total includes areas in all but two of the states. The photography is about equally divided into two general classes—that being taken with 6 inch, or shorter, focal length lenses for stereoscopic mapping with multiplex aero projectors,—and that to be taken with $8\frac{1}{4}$ inch, or longer, focal length lenses for general land use studies and for use in certain stereoscopic plotting equipment. Infra-red photography is being obtained for two substantial areas in Michigan. This type of photography appears to be of considerable interest to foresters and also shows some promise for use in stereoscopic plotting instruments. In one instance an area is, for experimental purposes involving stereoscopic plotting equipment, being photographed on glass plates.

Although in two cases government agencies are obtaining aerial photographs with their own forces and equipment, the bulk of the new coverage is being procured through contracts with the following commercial concerns:

Abrams Aerial Survey Corporation,
Lansing, Michigan.

Aero Service Corporation,
Philadelphia, Pennsylvania.

Robinson-Standard Aerial Surveys,
Teterboro, New Jersey.

Park Aerial Surveys, Inc.,
Louisville, Kentucky.

Holmberg Aerial Survey Company,
Washington, D. C.

Fairchild Aerial Surveys, Inc.,
Los Angeles, California.

Jack Ammann Photogrammetric Engineers,
San Antonio, Texas.

Mark Hurd Air Mapping Company,
Minneapolis, Minnesota.

Harry Tubis, Inc.,
Newark, New Jersey.

Woltz Studios, Limited,
Des Moines, Iowa.

Clark Smith,
Harrisburg, Pennsylvania.

Aero Exploration Company,
Tulsa, Oklahoma.

Southwestern Aerial Surveys,
Austin, Texas.

H. M. White, Surveys,
Rockville, Maryland.

A status map of aerial photography of the United States, revised up to April 1, 1947, was issued by the Geological Survey on May 1. Areas photographed

and agencies from which reproductions may be obtained are shown by color in the same way as shown on the previous status map issued in December, 1946 (similar to copy included in PHOTOGRAMMETRIC ENGINEERING, March, 1947). However, this second edition also shows areas which have been photographed more than once. As before, areas being newly photographed are indicated and coverage held by commercial firms is included to the extent known. The base for this status map is the Administrative Planning Map of the United States, scale 1:5,000,000, on which the 15-minute geographic grid appears in distinctive color. Copies are available from the Map Information Office.

Agreement has been reached by the Navy Department, the Army Air Forces, and the Geological Survey for the latter agency to prepare maps of the Antarctic regions which were photographed during recent operations of U. S. Navy Task Force 68, generally referred to as the Byrd Expedition. Since the photography is mainly trimetrogon type, the compilation processes will be similar to those used in preparing aeronautical charts from such photography during the war.

ERRATUM

"Tilt Determination of the Terrestrial Photograph." Vol. XII, No. 4, Dec. 1946, p. 472, line 8 is

$$\tan V = \frac{LG'}{LG''} \text{ times } \frac{y}{LG'} \frac{y}{LG''}$$

in place of

$$\tan V = \frac{LG'}{LG''} \text{ minus } \frac{y}{LG'} \frac{y}{LG''}.$$

LATE NEWS NOTES

In addition to the meeting reported elsewhere in this issue, the Chattanooga Local Chapter has met on two other occasions recently.

On May 15th the motion picture "Fury in the Pacific" was enjoyed by all. A paper "Field Completion Surveys" was presented by Randall F. Gehrke, followed by a period of discussion from the floor.

At another meeting on May 29th Alfred J. Watson, formerly of the Multiplex Unit, presented an informal talk on items of interest in connection with the Engineer Research and Development Laboratories.

Jack Ammann is sending in new members from San Antonio. It is regretted that it is not practicable to publish the names of all those deserving mention in connection with the membership drive. Changes occur too fast to permit a complete report. Possibly, something along this line which will have a true meaning can be done later in the year. After all the end product is new members, not reports.

"EVERY MEMBER GET A MEMBER IN 1947"