

Government of the new association will be by a Council of Representatives to be elected by the various divisions and regions and by certain unorganized groups. The Council will meet annually and elect a Board of Directors and several other boards and committees to do the work of the association.

It is anticipated that 4,000 psychologists will be members of the new association. Organizations who appointed representatives to plan the merger in-

clude: American Psychological Association, American Association for Applied Psychology, Society of Experimental Psychologists, Society for the Psychological Study of Social Issues, Psychometric Society, National Institute of Psychology, National Council of Women Psychologists, Department of Psychology, American Teachers Association, and Section I, American Association for the Advancement of Science.

*Science News Letter, February 5, 1944*

## PHOTOGRAPHY

## War Photo-Mapping

Aerial photography contributes materially to the success of military and naval operations. Many glaring errors in maps found by photogrammetry.

➤ AERIAL photography is contributing materially to the success of U. S. military and naval operations. But in photo-mapping there is always a feeling of pressure, as no map is ever completed as early as might be desired, Lt. Col. E. E. Pollock, U.S.M.C., told members of the American Society of Photogrammetry meeting in Washington.

On one occasion U. S. ships were to enter a little-known body of water, he related. Aircraft were sent to photograph the water area between two large islands. After the film had been developed and the pictures fitted together, these prints revealed the existence and location of submerged reefs. That same night a naval battle was fought in this very body of water, he said.

Practically all mapping done in the South Pacific theater since we entered the war, Colonel Pollock pointed out, has been in order to bring up to date charts based on surveys made in the 1870's and 1880's. Many glaring errors were found and corrected in these charts.

"At one point the map measurement

of the width of the island was 14.2 miles, whereas a check by photogrammetric methods revealed the width to be 21.1 miles," he stated, referring to Santa Isabel Island.

Mapping crews are frequently attacked by Japanese aircraft or are the object of enemy fire, Colonel Pollock stated, as well as confronted by navigation problems over jungle-covered islands where each hill or shoreline looks alarmingly like the next.

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### Pilots Expected to Run

➤ "THE JOB of the mapping and photographic pilot is a tough one," Col. James G. Hall, U.S.A.A.F., told members of the society. "They are the only individualists left in aerial warfare, and they are the only pilots for whom it is both a duty and an honor to run from the enemy."

The success or failure of a task force operation or an entire campaign may depend on photographic reconnaissance, Colonel Hall stated. At one stage in the battle of Tunisia, the artillery preferred to fire from interpreted photographs rather than from maps.

The accuracy of fire from these photographs was so great that in many cases the enemy guns received a direct hit and some thought a new kind of secret weapon was being used. German and Italian prisoners said no one could understand how their positions were discovered since they had been moved only a few days before the attack.

*Science News Letter, February 5, 1944*

## ASTRONOMY

## Sunspot's Appearance Ends 28-Day No-Spot Period

➤ THE APPEARANCE of a small sunspot on Saturday, Jan. 22, marked the end of the longest period without a sunspot of appreciable size since the early 1930's.

The sun's surface had been unmarred by any identified spots since Dec. 25. A few faint markings were discovered on plates made at the Mount Wilson Observatory Jan. 19 and 20, but were not found on plates made at the U.S. Naval Observatory. Thus 28 days had elapsed since the last sizable sunspot was visible.

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## GEOLOGY

## Award Given for Work On Aerial Mapping System

➤ THE TRI-METROGON system of aerial photography being used to make our fighting forces' war maps got a new citation when Lt. Col. Gerald Fitzgerald, chief of the aeronautical chart division of the Army Air Forces, received, at the Washington meeting of the American

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