

# GENEALOGY DATABASE ENTRY

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Johnson, Treat Baldwin

1875 - 1947

DEGREE: PhD

DATE: 1901

PLACE: Yale

TEACHER/RESEARCH ADVISOR: Wheeler

investigated the reactions of variously substituted ureas and thioureas and their use in the synthesis of hydantoins and thiohydantoins; synthesized the pyrimidine cytosine; studied the chemistry of pyrimidines, such as the action of fuming nitric acid on thymine and uracil (which led to a method of separating the two); devised a specific color test for uracil and cytosine that is not given by thymine; synthesized orotic acid (uracil-4-carboxylic acid), thiothyronine, and  $\alpha$ -aminopelargonic acid; investigated the biochemistry of tuberculosis bacilli; synthesized ephedrine, various hydantoins with hypnotic properties, and the germicide hexyl resorcinol.

1. *Biog. Mem. Nat. Acad. Sci.* **1952**, 27, 83-119.
2. *Chem. Eng. News* **1947**, 25(37), 2646.