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**Reconnaissance Soil Survey of Part of North Western  
Wisconsin**

**Weidman Samuel**

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**Title: Reconnaissance Soil Survey of Part of North Western Wisconsin**

**Author: Weidman Samuel**

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WISCONSIN GEOLOGICAL AND NATURAL HISTORY SURVEY

E. A. BIRGE, Director.

W. O. HOTCHKISS, State Geologist.

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RECONNOISSANCE

SOIL SURVEY

OF

PART OF

NORTH WESTERN WISCONSIN

STANFORD UNIVERSITY

APR 1962

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BY

SAMUEL WEIDMAN

ASSISTED BY

E. B. HALL AND F. L. MUSBACK

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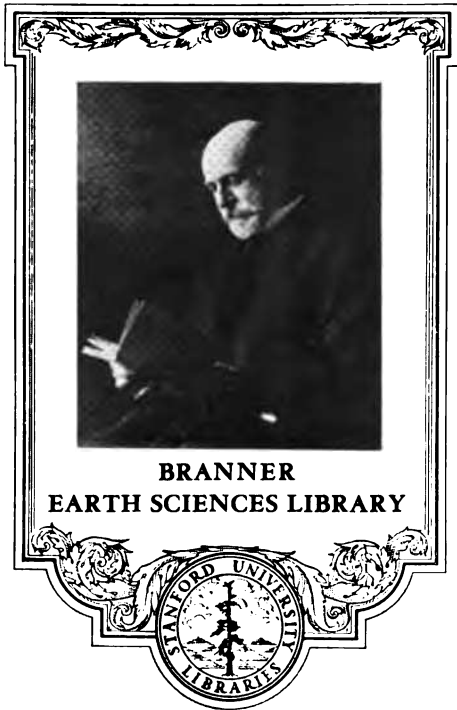
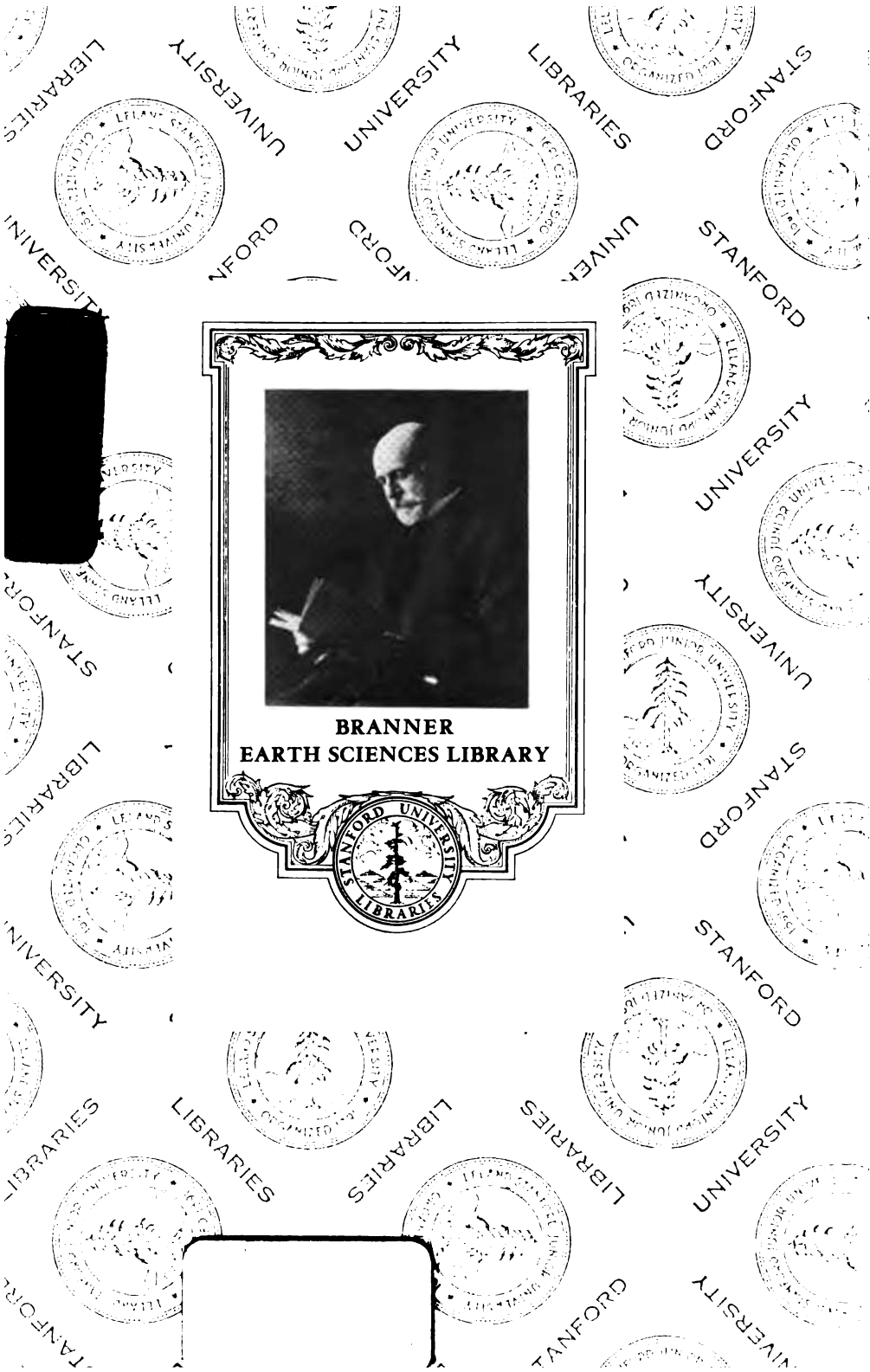
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# RECONNOISSANCE SOIL SURVEY OF NORTH WESTERN WISCONSIN.

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## CHAPTER I.

### GENERAL DESCRIPTION OF THE AREA.

The area described in the present report is in the northwestern part of the state, as shown on the map of Wisconsin, fig. 1. Four of the counties border on the state of Minnesota on the west. It is approximately between the parallels  $44^{\circ} 30'$  and  $45^{\circ} 45'$  north latitude, and the meridians  $91^{\circ}$  and  $93^{\circ}$  west longitude, which is the same latitude as central Maine on the Atlantic coast, and northern Oregon on the Pacific, and the same longitude as central Louisiana, Arkansas, and Missouri in the Mississippi valley.

The area includes the counties of Eau Claire, Chippewa, Rusk, Barron, Dunn, Pepin, Pierce, St. Croix, and Polk. These nine counties contain 186 townships and have a total area of 6,705 square miles, approximately one-eighth of the state.

*Slope and General Features.* The area slopes down towards the southwest. The lowest land, 680 feet above sea level, is in the southwest corner of the area at the junction of the Chippewa and Mississippi rivers. The highest land is undetermined but is very probably the hard quartzite ridges of eastern Barron and western Rusk counties. Several of these ridges reach elevations of 1,500 to 1,600 feet above sea level, the lower land surrounding these highest ridges in the northern part of the area in general, having a varying altitude between 1,100 to 1,300 feet.

The western part of the area, Pierce and St. Croix counties, are mainly limestone uplands, in which the valleys are relatively

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