

**EARTH RELATIONSHIPS; A
THESIS SUBMITTED FOR
THE DEGREE OF MASTER
OF ARTS**

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Earth Relationships; A Thesis Submitted for the Degree of Master of Arts by William James Sutherland

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WILLIAM JAMES SUTHERLAND

**EARTH RELATIONSHIPS; A
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EARTH RELATIONSHIPS

BY

WILLIAM JAMES SUTHERLAND

**A Thesis Submitted for the Degree of
MASTER OF ARTS**

UNIVERSITY OF WISCONSIN

1909

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SU8438

1.

A STUDY OF EARTH RELATIONSHIPS.

I. A Study of Controls and Responses.

1. Controls and Responses Defined.
2. Temperature Controls.
3. Moisture Controls.
4. Soil and Rock Controls.
5. Atmospheric Controls.
6. Organic Controls.
7. Topographic and Barrier Controls.
8. Human Controls.
9. Bibliography.

II. Regional Geography.

1. Value of an Areal Unit in the Study of
Geography.
 - a - Helps in Organization.
 - b - Emphasizes Essentials.
 - c - Reduces Number of Topics.
 - d - A Logical Unit.
2. Summary.
3. Illustration of a Regional Study. The
Gulf Plains.

a - Boundaries.

b - Topography.

Altitudes.

Bluffs and Mississippi River.

Buried Mountains.

Elevations due to Gradation.

Flood Plains.

Cuestas.

c - Surface Rocks and Soils.

LaFayette Formation.

Eocene Rocks of Alabama.

Coast Prairie of Texas.

Florida Rocks and Soils.

The Loess Deposits.

The Mississippi Delta.

d - Rivers and Drainage.

The Mississippi. Its Character.

The Red. Its Rafts and Lakes.

The Rio Grande.

Lakes in Florida.

Lake Pontchartrain.

- e - Coast Line and Harbors.
 - General Character of Coast.
 - Evidences of Subsidence.
 - Deposits and Deltas.
 - Bar Building.
 - Harbors.
- f - Bibliography.

III. Geographic Influence in History.

- 1. The Anticline of Northern Illinois.
 - a - Location and Trend.
- 2. Rivers of Northern Illinois.
 - a - Pre-Glacial.
 - b - Sub-Glacial.
 - c - Character of Illinois Valley.
 - d - Deposits Exposed by the Anticline.
 - Carboniferous.
 - St. Peter's Sandstone.
 - The Calcareous Potsdam.
- 3. The Galena District.
 - a - Highly Dissected Character.