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

Published @ 2017 Trieste Publishing Pty Ltd

#### ISBN 9780649567126

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

Except for use in any review, the reproduction or utilisation of this work in whole or in part in any form by any electronic, mechanical or other means, now known or hereafter invented, including xerography, photocopying and recording, or in any information storage or retrieval system, is forbidden without the permission of the publisher, Trieste Publishing Pty Ltd, PO Box 1576 Collingwood, Victoria 3066 Australia.

All rights reserved.

Edited by Trieste Publishing Pty Ltd. Cover @ 2017

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, re-sold, hired out, or otherwise circulated without the publisher's prior consent in any form or binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser.

www.triestepublishing.com

## **WILLIAM JAMES SUTHERLAND**

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



## EARTH RELATIONSHIPS

BY

## WILLIAM JAMES SUTHERLAND

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

UNIVERSITY OF WISCONSIN

ř

399169 OCT 13 1933 AWM .5U8438

### 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.

- 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.
- 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.

Eccene Rocks of Alabama.

Coast Prairie of Texas.

Florida Rocks and Soils.

The Loess Deposits.

The Mississippi Delta.

d - Rivers and Drainage.

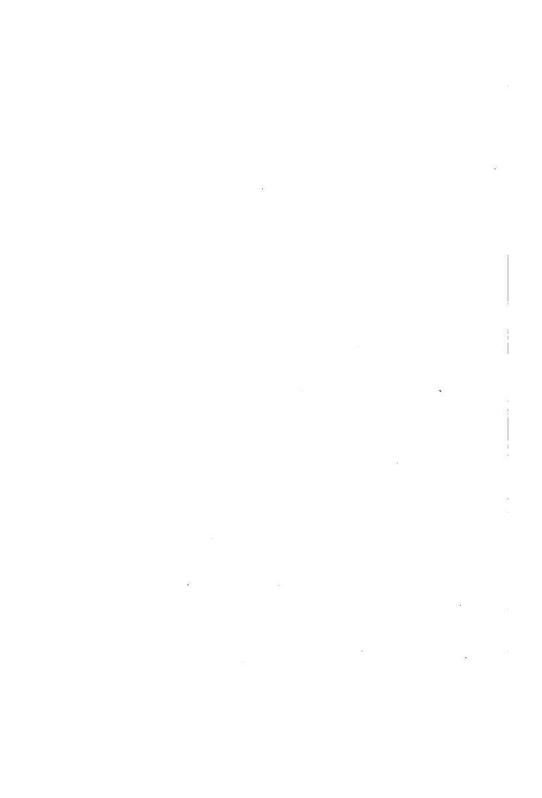
The Mississippi. Its Character.

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 Calciferous Potsdam.

3. The Galena District.

a - Highly Dissected Character.