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Bibliography of Nebraska Geology, 1843-1976

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PREFACE

The computer brightened the 1970s considerably by giving researchers a tool for storing, retrieving, and manipulating electronically sizable blocks of literary material on a single subject, which would otherwise have cost researchers years of scholarly investigation to bring together. It was in such a propitious moment that we set out to assemble this state bibliography as an aid to scholars, researchers, scientists, teachers, writers, editors, and decision makers in the earth sciences, universities, and all levels of government.

As we collected, compiled, and checked citations for this bibliography, we relied heavily on the following standard sources that have indexed segments of the geologic literature of Nebraska: Bibliography of North American Geology (U.S. Geological Survey); Bibliography and Index of Geology (Geologic Society of America and American Geological Institute); Bibliography of Theses Written for Advanced Degrees in Geology and Related Sciences at Universities and Colleges in the United States and Canada Through 1957 (Chronic and Chronic); Bibliography of Theses in Geology, 1958-1963 (Chronic and Chronic); Bibliography of Theses in Geology, 1964 (Ward); Bibliography of Theses in Geology, 1965-1966 (Ward and O'Callaghan); Bibliography of Theses in Geology, 1967-1970 (Ward); and Dissertation Abstracts International (University Microfilms).

Other important bibliographies checked for references were the List of Publications of the Nebraska Geological Survey (Barbour); Bibliography of Nebraska Geology and Mineral Resources, 1814-1941 (unpublished manuscript by W. R. Johnson; Geological Section of Nebraska (Condra and Reed); the Geological Bibliography of Nebraska (Barbour and Fisher); and List of Publications (Conservation and Survey Division). Additional references were collected from public catalogs of the University Libraries of the University of Nebraska–Lincoln.

As many as possible original publications were consulted in the process of collecting citations for this bibliography. When original documents were not available for verification, we relied on secondary sources for bibliographic data. These items were rechecked in other secondary sources whenever possible to ensure accuracy of the data.

The KWIC computer software program used to prepare the keyword index was provided by the Computation Center at the University of Texas at Austin. Dr. Thomas A. Griffy, chairman of the Department of Physics, University of Texas, made available both computer time and computer laboratory facilities in support of this project.

Special appreciation goes to Lyle Schreiner, science librarian at the University of Nebraska–Lincoln, who provided administrative support and encouragement for the project.

A special word of thanks goes to the faculty of the Conservation and Survey Division, many of whom helped to locate fugitive references and to resolve sticky bibliography problems. Those who read the entire manuscript and offered helpful suggestions include Professors Ray Bentall, Marvin P. Carlson, Robert F. Diffendal, Jr., and Roger K. Pabian.

We assume responsibility for any shortcomings that remain in the text. And because few if any major bibliographies are ever complete, we invite readers to send us additions, corrections, or emendations that may prove useful in any subsequent revision or extension of this bibliography.

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INTRODUCTION

The purpose of this bibliography is to help you to locate titles in Nebraska's geologic literature published during the period of 1843 to 1976. You will be speeded in this task if you familiarize yourself with the three major parts of this publication, each of which helps you solve a different set of problems.

1. Main Bibliography

When you know the name of a publication's author, check the main bibliography where the author's surname is listed alphabetically. After you have located the author entry, check the chronological listing of publications—arranged from earliest to latest—under that author's name to locate a particular title of interest.

2. Joint Author Index

This index should help you to locate publications that are known to you under the names of secondary authors only. Since the main bibliography lists publications under the names of principal authors only, the joint author index gives the names of secondary authors alphabetically and, by means of a control number, guides you the reader to a specific entry within the main bibliography's numerical sequence.

3. Keyword Index

Arranged alphabetically by subject, the keyword index sends you from a subject of interest back to an author entry in the main bibliography. This section is actually a keyword-in-context index prepared by means of a computer program and presented sequentially as lines of computer printout display. The keyword for each line is shown immediately to the right of a centered space break. Along with that keyword are presented surrounding words from the complete title. The goal of the keyword index is to give you the reader enough information about a specific title to help you decide whether you are interested in its subject. If you would like more information about any listing in the keyword index, simply use the control number to locate the full entry in the main bibliography.

Unabbreviated Bibliographic Style

One of the distinctive things you will note about this bibliography is that citations are spelled out in full instead of being abbreviated. Yesterday that would have been a daring departure from conventional bibliographic practice with its heavy reliance on abbreviations. But not today. For this is a time that places a premium on ready comprehension of textual material and that frowns on esoteric vagaries that admit only the initiated. We live in an age that encourages anyone who has something to say to say it directly, naturally, and unambiguously. In such a time, it is the many mysteries of scholarly abbreviations that are put on the defensive.

Most readers we have consulted, after being offered a sample of the unabbreviated bibliographic form, have seemed pleased at not having to decode numerous abbreviations, at not having to guess the meaning of enigmatic references, and at not having to flip back and forth between a list of abbreviations and various entry forms somewhat like a traveler in a foreign land who is lost without his Baedecker. In sum, a growing number of readers, editors, writers, scientists, and librarians—including the Association of Earth Science Editors of the American Geological Institute—look upon the unabbreviated bibliographic style with favor.

New Citational Form

As a second departure from conventional bibliographic practice, we have chosen a newer citational form because we feel it is easy to use and may prove a

useful device for future bibliographic research. Its typical form is:

21/3:16-44

This shows by position the following: (volume) / (number) : (pages). The above example refers to volume 21, number 3, pages 16 through 44. This citational form is quite easy to use once you remember the significance of the following three positions:

- the number before the slash is the volume
- the number after the slash is the publication number
- the numbers after the colon are the page numbers

When some parts of the bibliographic formula are missing, you simply interpret the reference by the position of the numbers that are present. For example: 23:4-5. This indicates that in the original publication, no publication number is given; hence, the reference is to volume 23, pages 4 and 5.

Another example:—/7:101-126. This indicates the publication carries no volume number, whose absence is shown by the dash. The reference, therefore, is to number 7, pages 101 through 126.

Another example:—:31-32. This indicates that neither volume nor publication number is shown in the original publication which is referenced only as pages 31 and 32 of the cited work.

In the final analysis, all that is needed to interpret this citational form is an awareness of the three basic positions of the bibliographic elements: (volume) / (number) : (pages).

Computer-generated Index

A third innovation we are introducing here is the computer-generated keyword-in-context (KWIC) index. This differs markedly from conventional indexes, which usually provide subject headings followed by a long list of page numbers:

Loess 4, 7, 8, 11, 21,
28, 30, 43, 44,
79, 81, 88, 98

Now which of those references are you interested in? Suppose you are searching for something on loess topography. You must begin by checking out each page given in the index until you locate your topic of interest, if in fact there is such a reference. The computerized index offers a solution to this problem. It utilizes significant words (keywords) from the titles of documents in the main bibliography as index entries. Each keyword is then shown in context, as it appears in the title of the document being indexed. For example:

	LOESS LANDFORMS
LANDFORM STUDY	LOESS MISSOURI RIVER
PLEISTOCENE	LOESS PROPERTIES
NITROGEN SOILS	LOESS OMAHA
EROSION	LOESS LANDFORMS
ORIGIN NEBRASKA	LOESS
	LOESS ECONOMIC USE
MOLLUSKS PEORIAN	LOESS
RATES	LOESS DEPOSITION
ENVIRONMENT	LOESS DEPOSITION

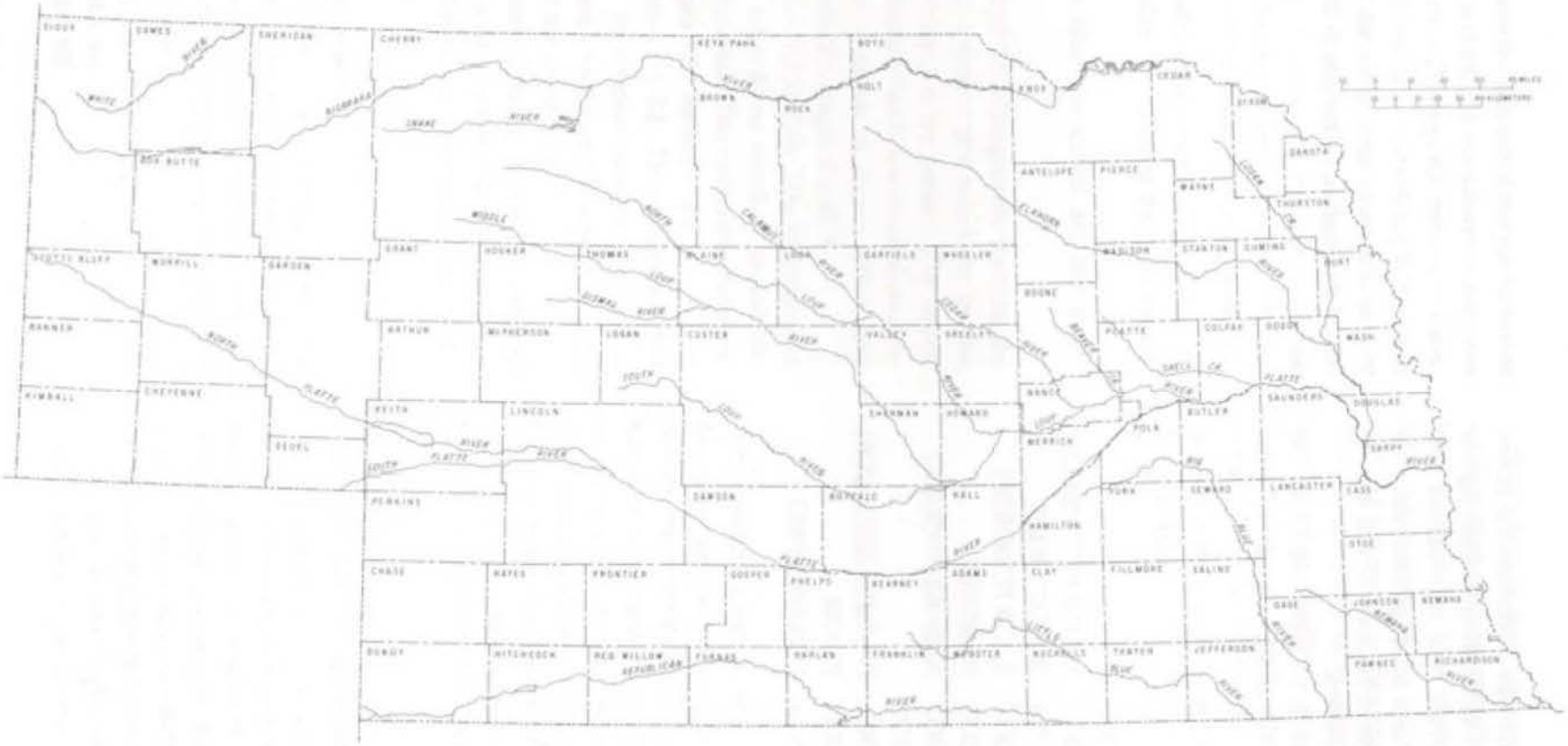
By checking carefully, you can see that three out of the above ten line items from the keyword index offer specific information about the development of landforms on loess topography. The remaining seven entries treat some other aspect of loess geology. To see the full bibliographic entry for any of the entries in the keyword index, you merely refer to the control number in the right-hand column of the keyword index and then consult the main bibliography.

Reportorial Accuracy

We have tried for reportorial accuracy in recording titles included in this bibliography. Titles in this collection should correspond in wording, spelling, punctuation, capitalization, and in all other forms to the titles in the original documents. We did not edit the titles to a single house style, preferring instead to report as faithfully as possible the precise wording of the original. As a result, the reader will find the term groundwater spelled in a variety of ways: groundwater,

ground water, and ground-water. Whereas the house style of the Conservation and Survey Division agrees with that of *Webster's Third New International Dictionary* in preferring the term solid (groundwater), we have not intentionally altered the form of that term in titles issued by other publishers.

Because of our decision to report faithfully the spelling and form of the title of the original, any given term may appear in the text with various spellings. For example, nebraskensis occurs in one title and nebrascensis in another. Or again, Dacota appears in the title of an 1856 publication, whereas the spelling in later titles is Dakota. In each case, we have attempted to record the spelling of the title in the original publication.



State of Nebraska

Part I
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