

Charles Edwin Kellogg

J. Douglas Helms

Senior Historian

Natural Resources Conservation Service

State Soil Scientists Meeting

Natural Resources Conservation Service

St. Joseph, Missouri

October 31, 2002



BIRTH

- August 2, 1902 at Ionia, Michigan
- Palo High School, Palo, Michigan

- B.A. Michigan State College, 1925
- Ph. D. Michigan State College 1929
- Graduate work, University of Wisconsin

Michigan Department of Conservation

- Soil Mapper, Summers 1923-1926
- Michigan Land Economic Survey
- Interdisciplinary—influenced the Tennessee Valley Authority

Michigan State College and Michigan State Highway Department

- Fellow in Soils, April 1926 - April 1928

- “Soil type as a factor in highway construction in Michigan. Michigan Academy of Sc., Arts, and Letters. 10: 169-177. 1929.

- ENGINEERING INTERPRETATIONS
- “the first soil scientist to persuade highway engineers to make substantial changes in design because of soil subgrade conditions revealed by accurate use of standard methods of soil classification. The importance of this concept is shown by the recently issued Bulletin 22 of the Highway Research Board, Public Roads Administration, “Engineering Use of Agricultural Soil Maps.” *Nomination for USDA Distinguished Service Award.*
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Wisconsin Geological and Natural History Survey University of Wisconsin

- Soil research and, in charge, soil mapping parties, 1928-1930

- Kellogg, Charles Edwin. 1930.
“Preliminary study of the profiles of the principal soil types of Wisconsin, Ph. D. diss., Michigan State College of Agriculture and Applied Science, Soils Department, East Lansing, Michigan.
- “reworked and developed the classification of soils in Wisconsin.” (From nomination for USDA Distinguished Service Award).

- North Dakota Agricultural College
- January 1, 1930 – January 31, 1934

Rural Land Assessment

- “In western North Dakota, he developed the first scientific system for rural land classification for equitable tax assessment based upon the potential productivity of the lands.”

- “A method for the classification of rural lands for assessment in western North Dakota. *Journal of Land and Public Util. Economics* 9:10-15. 1933
- .
- “A method of rural land classification (With J. K. Ableiter). USDA Technical Bulletin 469. 29 pp. 1935.

STUDENTS

- Roy W. Simonson
- Marlin G. Cline
- A. Clifford Orvedal
- Andrew “Andy” Aandahl
- William M. Johnson
- (Others in the soil survey in SCS).

Soil Survey Division

- Associate Soil Technologist, February 1, 1934
- Senior Soil Scientist, October 1, 1934
- Acting Chief, July 1934-June 1935
- Principal Soil Scientist and Chief of the Soil Survey Division, July 1, 1935
- Retired May 31, 1971

- *Soil Blowing and Dust Storms. USDA Misc. Pub. 221. 1935 (very timely)*
- The Development and Significance of the Great Soils Groups of the United States. USDA Misc. Pub. 229. 1935.
- *Soil Survey Manual. USDA Misc. Pub. 274. 1937*
- *Soils and Men. Yearbook of Agriculture*

- Transfer to
- Soil Conservation Service

- Soil Taxonomy
- Soil Science Institute
- Expansion of Soil Survey
- World Map

Soil and Society

- Interpretations of Soils
- Very much oriented to uses
- Have to understand history, economics, other science, economics, markets, culture.

*The
Soils That Support Us*

- “Since there are many, many soils those relationships are too complicated to be resolved by a few simple slogans or programs”. P. 306. *The Soils That Support Us*.
- Veiled comment about soil conservation. Discuss attitude toward ACP and lime.

- “To a degree it is a science that deals with relationships. To be understood, one must also have some knowledge of literature, history, anthropology, geology, botany, chemistry, and other arts and sciences.”
- Page 342. *The Soils That Support Us*