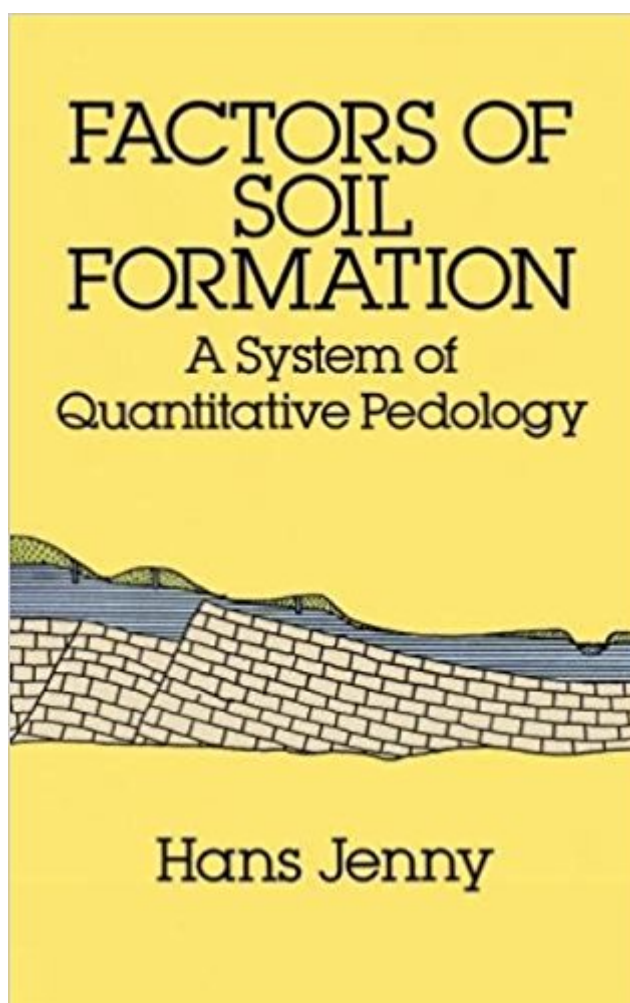


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Factors Of Soil Formation: A System Of Quantitative Pedology (Dover Earth Science)



Synopsis

"Hans Jenny's oeuvre ranks among those of the giant in the earth sciences. Even within this rarefied atmosphere of intellectual achievements, his book *Factors of Soil Formation* stands out as a masterpiece." — from the Foreword by Ronald Amundson, University of California at Berkeley

Hans Jenny (1899–1992), who taught at the University of California at Berkeley for 31 years, was a world authority on soils and soil formation. *Factors of Soil Formation*, his most influential work, is an advanced treatise on theoretical soil science. It has been said that this book, long considered a masterpiece of scientific methodology, had as great an impact on soil science as Charles Darwin's *The Origin of Species* had on the study of evolution. The book offers both a detailed discussion of the nature of the earth's terrestrial environment and a method of subdividing and studying it. The first two chapters are devoted to definitions and concepts, and methods of presentation of soil data. Chapters 3 through 7 explore the roles of time, parent material, topography, climate and organisms in the formation of soil. Chapter 8 presents conclusions. Though it was written more than 50 years ago, *Factors of Soil Formation* has not been superseded, nor has Jenny's theory of how soils and ecosystems form been replaced by new factorial theories. Students and professionals working in the fields of pedology, geology and ecology will find this clear, concise study, filled with many of Professor Jenny's own illustrations, stimulating reading.

Book Information

Series: Dover Earth Science

Paperback: 320 pages

Publisher: Dover Publications (December 8, 2011)

Language: English

ISBN-10: 0486681289

ISBN-13: 978-0486681283

Product Dimensions: 5.4 x 0.6 x 8.4 inches

Shipping Weight: 8.8 ounces (View shipping rates and policies)

Average Customer Review: 3.9 out of 5 stars 8 customer reviews

Best Sellers Rank: #728,210 in Books (See Top 100 in Books) #151 in Books > Science & Math > Agricultural Sciences > Agronomy #1303 in Books > Science & Math > Earth Sciences > Geology #28065 in Books > Engineering & Transportation > Engineering

Customer Reviews

Easy to read book about the fundamentals of soil science -- concepts that can be expanded to other

disciplines of ecology as well. A seminal book and one every ecology-minded person should read.

No soil scientist should be without a copy of this pedology classic. Useful to both new and experienced. Jenny covers the soil forming factors with many real world examples.

EXCELLENT INFO

What a disappointment! this book is stained!! even though I bought it new! I wanted to gift this for my sister's birthday needless to say that could not happen.

Browsing from another field of geoscience, Jenny's book formulates and describes the paradigm of the field. I have never filled the margins of any book with so many thoughts and speculations. And yes, I even went out into the field to look at dirt as a result. Jenny's theorem is an elegant expression of math so complex that it is doubtful that any solution can ever be achieved to precisely describe the geochemical environment at any moment. Yet it describes the tendency for soil forming factors to reach equilibrium, an equilibrium dependent ultimately on climate. Any geoscientist or scientific minded individual should read *The Principia*, *The Origin of Species*, *The Structure of a Scientific Revolution* and -- Hans Jenny's book on *Factors of Soil Formation*.

The book is a master work with many illustrations and data tables. But in the kindle edition the tables are unintelligible, making it virtually useless. Get the paperback instead.

this book is highly technical...which is what I was looking for in reference material.

This book by Jenny is the basis for soil formation theory. Jenny's State Factor Function model consists of the effect of Climate, Organics, Relief, Parent Material and Time on the formation of soils. It may be easily remembered by: C, O, R, P, T. I feel that this book is invaluable to anyone studying soils at higher education level.

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