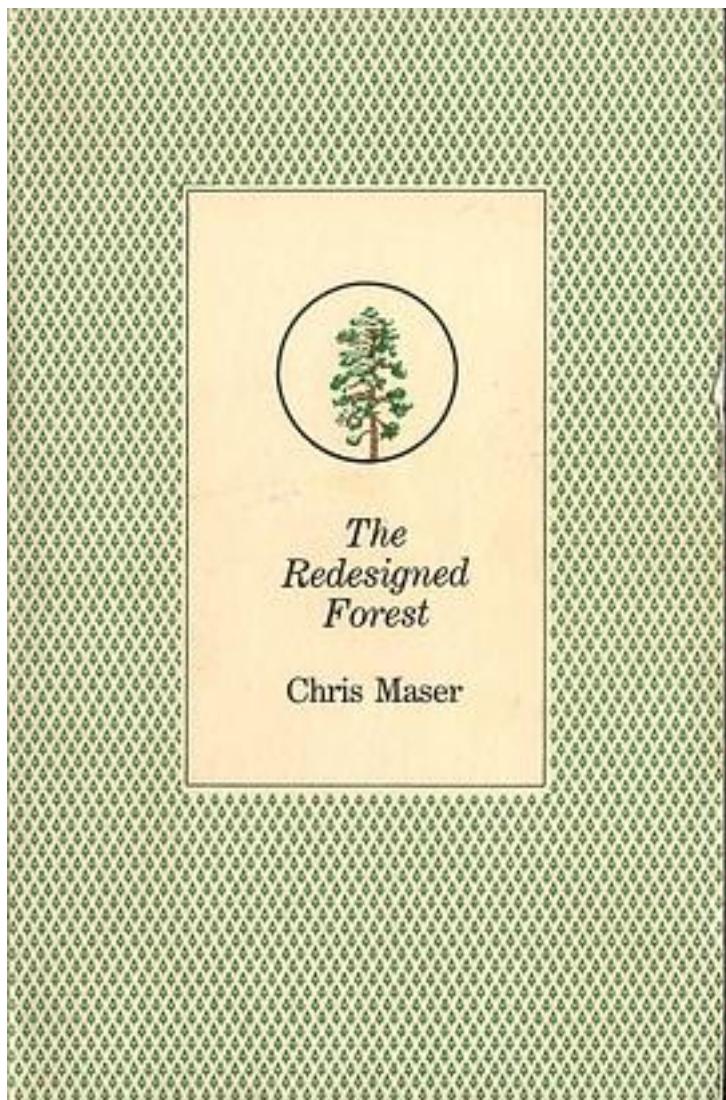


The Redesigned Forest



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作者介绍:

I spent over 25 years as a research scientist in natural history and ecology in forest, shrub steppe, subarctic, desert, coastal, and agricultural settings. Trained primarily as a vertebrate zoologist, I was a research mammalogist in Nubia, Egypt, (1963-1964) with the Yale University Peabody Museum Prehistoric Expedition and a research mammalogist in Nepal (1966-1967), where I participated in a study of tick-borne diseases for the U.S. Naval Medical Research Unit #3 based in Cairo, Egypt. I conducted a three-year (1970-1973) ecological survey of the Oregon Coast for the University of Puget Sound, Tacoma, Washington. I was a research ecologist with the U.S. Department of the Interior, Bureau of Land Management for thirteen years (1974-1987)--the last eight studying old-growth forests in western Oregon--and a landscape ecologist with the Environmental Protection Agency for one year (1990-1991).

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PART ONE—NATURE'S DESIGN OF A FOREST VERSUS OUR DESIGN OF A FOREST

Nature designed a forest as an experiment in unpredictability.

We are trying to design a regulated forest.

Nature designed a forest of long-term trends.

We are trying to design a forest of short-term absolutes.

Nature designed a forest with diversity.

We are designing a forest with simplistic uniformity.

Nature designed a forest with interrelated processes.

We are trying to design a forest based on isolated products.

Nature designed a forest in which all elements are neutral.

We are designing a forest in which we perceive some elements as good, others bad.

Nature designed a forest to be a flexible, timeless continuum of species.

We are designing a forest to be a rigid, time-constrained monoculture.

Nature designed a forest over a landscape.

We are trying to design a forest on each acre.

Nature designed Pacific Northwest forests to live 500-1200 years.

We are designing a forest that may seldom live 100 years.

Nature designed Pacific Northwest forests to be unique in the world—25 species of conifers, 7 major ones, the longest lived and the largest of their genera.

We are designing a forest based largely on a single-species, short rotation.

Nature designed a forest to be self-sustaining, self-repairing.

We are designing a forest to require increasing external subsidies—fertilizers, herbicides, pesticides.

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