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[DEDICATION](#) – This work is dedicated to three historical geniuses who make it possible: Democritus of Abdera, Daniel Bernoulli, and James Clerk Maxwell.

[PROLOGUE](#) – This unit describes the essential nature of this collection of papers. It explains why they were written as essays rather than as textbook chapters or professional papers.

[INTRODUCTION](#) – Why am I doing this? For what questions do I hope to find answers? Why hasn't it been done before this?

[SEQUENCES, GROUPINGS, AND PDF](#) – This unit explains how the various essays are grouped—or not grouped. It also explains why they are offered in the .pdf format rather than the .html format.

[THE KINETIC ATMOSPHERE \(MENU\)](#) – This section contains most of the essays. It is divided into a number of sub-sections. The essays, as a whole, assume a passing familiarity with atmospheric physics, with kinetic gas theory, and with statistical mechanics. They also assume mathematical competence through the calculus. In these essays, I develop new ways of looking at atmospheric phenomena, I attack certain long-standing hypotheses explaining these phenomena, and I propose new hypotheses in their place. This link takes you to the main menu. Here, other linkages will take you to the various sections.

THE KINETIC ATMOSPHERE

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[APPENDICES \(MENU\)](#) – This section contains a number of papers that I don't want to omit, but which do not fit conveniently into either of the above two sections. They range from the philosophical ([The Nature of Science](#)) to the intensely practical ([Units and Measures](#)), and from the elementary ([Exponential Notation](#)) to the advanced ([Water: Some Useful Values](#)). Feel free to browse. This link takes you to the menu for the appendices.

[RECENT ADDITIONS](#) – This unit lists all of the essays that have either been newly added or significantly revised in the last year. Brief descriptions of each essay are given, along with the dates of addition or revision.