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Salem Press Announces the Fifth Addition to The *Principles of... Series, Principles of Physical Science*

Salem Press is pleased to add *Principles of Physical Science* to its collection, the Fifth of Six titles in the new *Principles of* series. This new resource introduces students and researchers to the fundamentals of physical science using accessible language, giving readers a solid foundation and a deeper understanding and appreciation for this complex subject.

Edited by Donald R. Franceschetti, PhD from *The University of Memphis*, this reference work begins with a comprehensive introduction to the field. It starts out with an explanation to the distinctions between the physical and the life sciences, moving on to a discussion on the three significant periods of the history of science, and concluding with a look at the future importance of the physical sciences in reference to current issues of international consequence, such as clean energy and space travel.

This edition includes 112 entries ranging from Audiology to Glass-making to Weight and Mass Measurement. All entries are arranged in alphabetical order, making it easy to find the topic of interest. Each entry includes related fields of study to illustrate the connections between the various branches of physical science, including algebra, biomechanical engineering, computer engineering, cryogenics, laser technologies, and nanotechnologies. Also included are, brief summaries of each topic and how the entry was organized; principal terms that are fundamental to the topic and to understanding the concepts presented; photographs of significant contributors to the study of astronomy; further reading lists that relate to the entry; and illustrations, diagrams, and charts that clarify difficult concepts such as automated processes, photography, ocean and tidal energy technologies, geometry, and earthquake engineering. Entries in *Principles of Physical Science* range from one to ten pages in length. Topics discussed include:

- Acoustics
- Air-quality Monitoring
- Barometry
- Calculus
- Digital Logic
- Fiber Technologies
- Gravitational Radium
- Hybrid Vehicle Technologies
- Integrated-Circuit Design
- Liquid Crystal Displays
- Metallurgy
- Parallel Computing
- Propulsion Technologies
- Transistor Technologies
- Transuranic Elements
- Plus much, much more!

The book's back matter is another valuable resource which includes the following: a **Timeline**, listing important historical events in science in chronological order; a **Biographical Dictionary of Scientists**, with important names in the field, such as Bill Gates, Pythagoras, Nikola Tesla, and Hippocrates; a **General Bibliography**; and an **index**.

The *Principle of* series offers students and researchers an accessible introduction to the major principles of Chemistry, Astronomy, Physics, Computer Science, Physical Science, and Biology. These new resources will be a helpful tool for students and researchers who are just beginning their studies of science and need a solid foundation of the key terms and concepts in this complex field. A must have for all high school and undergraduate science programs.

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Principles of Physical Science

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