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Salem Press Announces the newest Volume in *The Principles of Science Series, Fire Science*

Salem Press is pleased to add *Principles of Fire Science* to its well-established *Principles of Science* series. This resource introduces students and researchers to the fundamentals of fire science using easy-to-understand language, to provide a solid background, and help readers develop a deeper understanding and appreciation of this important and evolving subject.

This new resource explores the nature of fire and its effects. Fire is a powerful agent of creation and destruction, and this volume introduces readers to both the obvious and not-so-obvious aspects of fire science while discussing humanity's complicated relationship with this fascinating force. Human society as we know it would not exist without the discovery of how to control fire. The benefits of heat, light, and electricity have been accompanied by pollution, climate change, and environmental destruction. In addition to explaining what exactly fire is, entries trace how fire and its uses are intricately woven with human evolution.

Principles of Fire Science includes 117 entries arranged in A to Z order to help make finding a topic of interest easy. Entries related to basic principles and concepts include a list of the Fields of Study covered by the article; an Abstract that provides a brief, concrete summary of the topic and its significance; a list of Key Concepts with definitions, important to a proper understanding of the topic; and a detailed Essay that provides extensive background on the topic and explores its significance to the field of computer-aided design; and a list of Further Reading for those who wish to pursue the topic in more depth.

Entries in *Principles of Fire Science* range from one to five pages in length. Topics discussed include:

- Accelerants
- Arson
- Biofuels
- Carbon Monoxide Poisoning
- Crime Scene Investigation
- Firefighting
- Fossil Fuels
- The Great Fire of London
- Hydrogen
- Internal Combustion Engine
- Oxidation State
- Propane
- Steam Engine
- Triangle Shirtwaist Factory Fire
- Wildfires

This volume also includes several helpful appendixes, including:

- A Glossary that defines all the key specialized terms used throughout the book
- A comprehensive list of Further Reading, comprising all the works that the authors drew upon in writing their articles as well as subjects for further study
- A Subject Index, that offers multiple points of entry for the reader

With 117 essays, this new volume will give readers an overview of the major concepts and contemporary issues surrounding the study of fire science. Designed for students and researchers, this volume provides a fitting entry into a better understanding of this interesting yet complex subject of fire science. This will be a helpful addition to science programs at the high school, community college, and university levels, and is a must for students with an interest in computer-aided design at the high school and undergraduate levels.

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Principles of Fire Science

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