Selected Bibliography on Atomic Energy

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INTRODUCTION

The following is a selected bibliography on atomic energy including publications up to March 15, 1948. Only representative and salient publications are included and there is no attempt to be exhaustive or to include the materials required by the subject specialist. For a more complete bibliography to July 1946, the general reader is referred to Julia E. Johnsen, The Atomic Bomb, H. W. Wilson Co., The Reference Shelf, Vol. 19, No. 2. Individual annotations indicating the technical difficulty of the material are appended to many of the book titles to assist the reader in choosing the desired text. The material is divided into four subject categories: Control of Atomic Energy, Technical and Scientific Background for Atomic Energy, Peacetime Applications of Atomic Energy, and Military Application of Atomic Energy. Appended to the end of this bibliography is a list of journals which may be consulted for information on atomic energy.

This bibliography was first issued in January 1948 and included publications up to December 31, 1947. The present revision includes a few minor changes and the addition of items published in 1948.

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CONTROL OF ATOMIC ENERGY

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Ridenour, L. N., "Military Security and the Atomic Bomb," Fortune, November 1945.

Stimson, H. L., "Decision to Use the Atomic Bomb," Harper's Magazine, February 1947.

White, Stephen, Series of five articles. New York Herald Tribune, June 15 through 19, 1947. Discusses the uses of atomic energy as weapons and in peace.

The following is a list of journals, in English, which may be consulted on special aspects of atomic energy. Omitted are the general, literary, and news journals such as The Atlantic Monthly, Harper's Magazine, Time, Newsweek, etc. which frequently carry articles of general interest on atomic energy.

American Journal of Physics. Instructional and cultural aspects of physics. For the specialist.

American Scientist. Miscellaneous and general but intended for the advanced student.

Atomic Information. Popular, covers sociological and political aspects of atomic power.

Arkiv for Matematik, Astronomi och Fysik. Many articles in English, for the specialist only.

Bulletin of the Atomic Scientists. General, popular, emphasis on the political and sociological aspects of atomic energy.

Canadian Journal of Research, Section A, Physical Sciences. Technical.

Chemistry. Short, popular articles, valuable for the teacher of science.

Indian Journal of Physics. Technical.

Journal of the American Chemical Society. Technical, specialized.

Journal of Applied Physics. Technical and primarily for the professional physicist and engineer, however it is will illustrated and can be profitably used by the less advanced student.

Journal of Chemical Education. Good summaries and reviews, very useful in the classroom.

Journal of Chemical Physics. Technical, specialized.

Nature. Technical, but very readable.

Nucleonics. The specialized journal for atomic energy.

Physica. Majority of articles in English; for the specialist.

Physical Review. For the advanced student in physics.

Popular Mechanics.

Popular Science.

The Proceedings of the Physical Society. For the advanced student.

Proceedings of the Royal Society, Series A, Mathematical and Physical Sciences. Technical.

The Review of Scientific Instruments. For the specialist.

Reviews of Modern Physics. General summary articles and excellent technical bibliographies; for the advanced student.

Science. Although written for specialists, material can be readily and profitably used by general reader.

Science Digest. Popular.

Science News Letter. Popular.

Science Illustrated. Popular.

Scientific American. Popular.

Scientific Monthly. Scholarly but non-technical, can be used to advantage by general reader.

United Nations Bulletin. Useful for following debate in the United Nations Atomic Energy Commission.

United Nations World.

United States, Department of State, Bulletin. For the official U. S. position on international control of Atomic Energy.

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