

# SPRINKLER IRRIGATION

Fourth Edition

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# F O R E W A R D

The Sprinkler Irrigation Association, being sensitive to the dynamic nature of the irrigation industry, readily responds to new concepts and new methods that allow for better conservation of our natural resources. Such changes have brought about preparation of this, the Fourth Edition of *Sprinkler Irrigation*. Each chapter of the Third Edition, published in 1969, has been totally revised and updated and the material published in the 1973 *Supplement* to that edition has been incorporated as well. In addition, new chapters have been prepared on drip irrigation and conversion to the metric system, making this, we believe, the most complete text ever published on the subject of sprinkler irrigation.

A considerable amount of the new information in this edition is not strictly speaking "sprinkler" by nature. The information, however, is of continuing significance in the more efficient use of our water resources. In this regard, one of the most important new areas of technical concern reviewed in the text is the reuse and recycling of wastewater together with the utilization of the important constituents, especially plant nutrients, that are contained in most wastewaters. These interests are reflected here and in considerably more detail in the SIA's *Wastewater Resource Manual* published in 1975.

As even newer methods, techniques and concepts are developed within the field of sprinkler irrigation, the SIA will continue to provide leadership in making this information available. In the meantime, we hope that this Fourth Edition of *Sprinkler Irrigation* will be a valuable tool for members of the industry, educators and students from around the world.

James D. Pichon, President

Sprinkler Irrigation Association

November, 1975

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