

PUBLICATIONS RECEIVED

Atlas of Australian Resources, Second Series - Rainfall, Second Edition (1970).

Geographic Section, Department of National Development, Canberra.

A rainfall map sheet has been published showing isohyets of median (50 percentile) monthly and annual rainfall for Australia. Annual 10 and 90 percentile isohyetal maps are included and on the central map monthly rainfall graphs of 10, 50 and 90 percentile rainfall distributions for selected stations are shown. The Bureau of Meteorology provided the rainfall data and prepared the isohyetal maps. The map sheet is accompanied by a commentary prepared by D. Gaffney of the Operational and Information Services Branch, Bureau of Meteorology, Melbourne.

Available from Department of National Development, Box 850, PO Canberra, ACT 2600.

Two publications have been released recently by the U.S. Atomic Energy Commission dealing with atmospheric transport processes and the effect of precipitation on the quality of our environment.

Atmospheric Transport Processes. Part 2: Chemical Tracers.
Elmer R. Reiter, Colorado State University.

This book, which is Part 2 of a series on atmospheric transport processes, provides a short review of work by various investigators dealing with the distribution of chemical tracers in the atmosphere.

The use of trace constituents of the atmosphere in estimating the effects of the general circulation has opened into a wide field of research. Attention in this book has been focused on the large-scale aspects of the atmospheric circulation and on the effect of this circulation on tracer distributions. This review reveals the need for chemists, atmospheric dynamicists, and synopticians to extend their dialogues and to overcome the barriers of specialization. Future research in this fertile field should produce more cooperation between these specialists and thus provide better returns from the intricate and complex experiments necessary in exploring the many aspects of our global atmosphere and of the atmospheres of other planets.

This volume is available from the Clearinghouse for Federal Scientific and Technical Information, Springfield, Virginia, 22151, USA.

Precipitation Scavenging (1970). Proceedings of a conference held at Richland, Washington, June 1-5, 1970.

Released by the US Atomic Energy Commission.

The proceedings of this, the first scientific meeting devoted exclusively to scavenging by precipitation, contains thirty-eight papers by American and European researchers assess the state-of-the-art and provide a broad view of research and projects in the field. The papers cover experimental techniques and equipment, data from field and laboratory experiments, microphysics in scavenging, and models for predicting scavenging. Specific topics include discussions of scavenging within

the cloud during the formation of precipitation, scavenging below the cloud as precipitation falls, scavenging efficiencies for various substances under varying conditions, and factors that affect scavenging efficiencies, such as size of droplet, size of particulate, electrical charge, solubility of trace gas, and type and intensity of precipitation.

Printed as the twenty-second volume in the AEC Symposium Series, this book is available as CONF-700601 for \$6.00 from the National Technical Information Service, Springfield, Virginia 22151.