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TECHNICAL REPORT  
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A CUMULATED SUBJECT INDEX TO CHAPTERS I - IX

of

AN INVENTORY OF GEOGRAPHICAL RESEARCH  
ON DESERT ENVIRONMENTS

by

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## FOREWORD

This Technical Report constitutes a cumulated subject index to Chapters I-IX of An Inventory of Geographical Research on Desert Environments, a research project undertaken in cooperation with the U. S. Army Natick Laboratories under Contract DA49-092-ARO-71, sponsored by the Office, Chief of Research and Development, U. S. Army. The index corresponds to that prepared for the 1968 University of Arizona Press publication Deserts of the World, An Appraisal of Research into their Physical and Biological Environments, which was based on the Inventory, except that the page references here are to the individual chapters, each of which had separate pagination. This index was prepared under contract DAAG17-67-C-0199, which was funded in part by the Environmental Sciences Division, Office, Chief of Research and Development.

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## ABSTRACT

This report is a cumulated subject index of the nine separately printed chapters of An Inventory of Geographical Research on Desert Environments, prepared by the Office of Arid Lands Studies, University of Arizona, under contract with the Department of the Army. It includes locator maps of the principal desert regions of the world delimited according to the Meigs classification.

## INTRODUCTION

During 1967 and 1968 the University of Arizona Office of Arid Lands Studies, under the monitorship of the Earth Sciences Laboratory, U. S. Army Natick Laboratories, and sponsorship of the Office, Chief of Research and Development issued a series of reports which in their entirety constituted An Inventory of Geographical Research on Desert Environments. The series was edited by William G. McGinnies, Bram J. Goldman, and Patricia Paylore. These nine individual reports covered physical features, vegetation, fauna, weather and climate, coastal zones, and regional types of the world's deserts. These have been slightly re-edited and are now published in a single volume by the University of Arizona Press under the title Deserts of the World, An Appraisal of Research into their Physical and Biological Environments (1968, 788 p.).

This cumulated index corresponds to that prepared for Deserts of the World, except that the page references here are to the individual chapters as issued by Natick Laboratories, each of which was paged separately. Each reference is preceded by the chapter number in Roman numerals, thus:

perennial plants, Arabian Desert, VI 34

meaning this reference will be located on page 34 of Chapter VI, "Vegetation." When succeeding references under the same indexing term refer to the same Chapter, the chapter reference is not repeated, thus:

irrigated soils, Arabian Desert, V 8, 9; Iranian Desert, 10-11; North American deserts, 22, 23, 24; Sahara, 6-7; Thar, 12; Turkestan, 14

meaning all references cited following the first reference to Chapter V will also be found in this same Chapter. In the event references to several chapters occur under the same indexing term, the chapter reference appears each time there is a change to a different chapter, thus:

hamadas, Arabian Desert, V 8; Sahara, IV 31, 32, 33, 35, V 6

A list of the authors/titles of the individual chapters indexed follows.

LIST OF CHAPTERS\* INDEXED

- I. Introduction, by William G. McGinnies and James W. Meadows, Jr. 1968. 22 p.
- II. Inventory of Research on Weather and Climate of Desert Environments, by Clayton H. Reitan and Christine R. Green. 1967. 72 p.
- III. Inventory of Research on Desert Coastal Zones, by Joseph F. Schreiber, Jr. 1967. 76 p.
- IV. Inventory of Research on Geomorphology and Surface Hydrology of Desert Environments, by Lawrence K. Lustig. 1967. 189 p.
- V. Inventory of Research on Surface Materials of Desert Environments, by Harold E. Dregne. 1967. 91 p.
- VI. Inventory of Research on Vegetation of Desert Environments, by William G. McGinnies. 1967. 184 p.
- VII. Inventory of Research on Fauna of Desert Environments, by Charles H. Lowe. 1968. 77 p.
- VIII. A General Summary of the State of Research on Ground-Water Hydrology in Desert Environments, by Eugene S. Simpson. 1967. 18 p.
- IX. Inventory of Research on Desert Regional Types, by John R. Healy. 1968. 63 p.

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\*Chapters I-IX of "An Inventory of Geographical Research on Desert Environments", University of Arizona, Office of Arid Lands Studies, 1967 & 1968.

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APPENDIX

Locator Maps of the Arid Lands

Northern Africa

Southern Africa

Asia: Western Portion

Asia: Eastern Portion

North America

South America

Australia

Reprinted from DESERTS OF THE WORLD:  
AN APPRAISAL OF RESEARCH INTO THEIR  
PHYSICAL AND BIOLOGICAL ENVIRONMENTS  
McGinnies, Goldman, and Paylore, eds  
(U of Arizona Press, 1968, \$15.00).

## LOCATOR MAPS OF THE ARID LANDS

On the pages that follow are general-location maps of the deserts of the world. The Extremely Arid, Arid, and Semiarid areas are delineated in accordance with Peveril Meigs' 1960 revision to his 1952 maps that accompanied "World Distribution of Arid and Semi-Arid Homoclimates" in *Reviews of Research on Arid Zone Hydrology* (UNESCO, Paris, 1953). We have repeated Meigs' codes in the Extremely Arid and Arid portions where space permitted, and we have also included some of his coding for the Semiarid zones. The names and location of the subdeserts do not necessarily coincide with those used by Meigs; they of necessity reflect the usage of our chapter authors and their consultants worldwide.

— The Editors

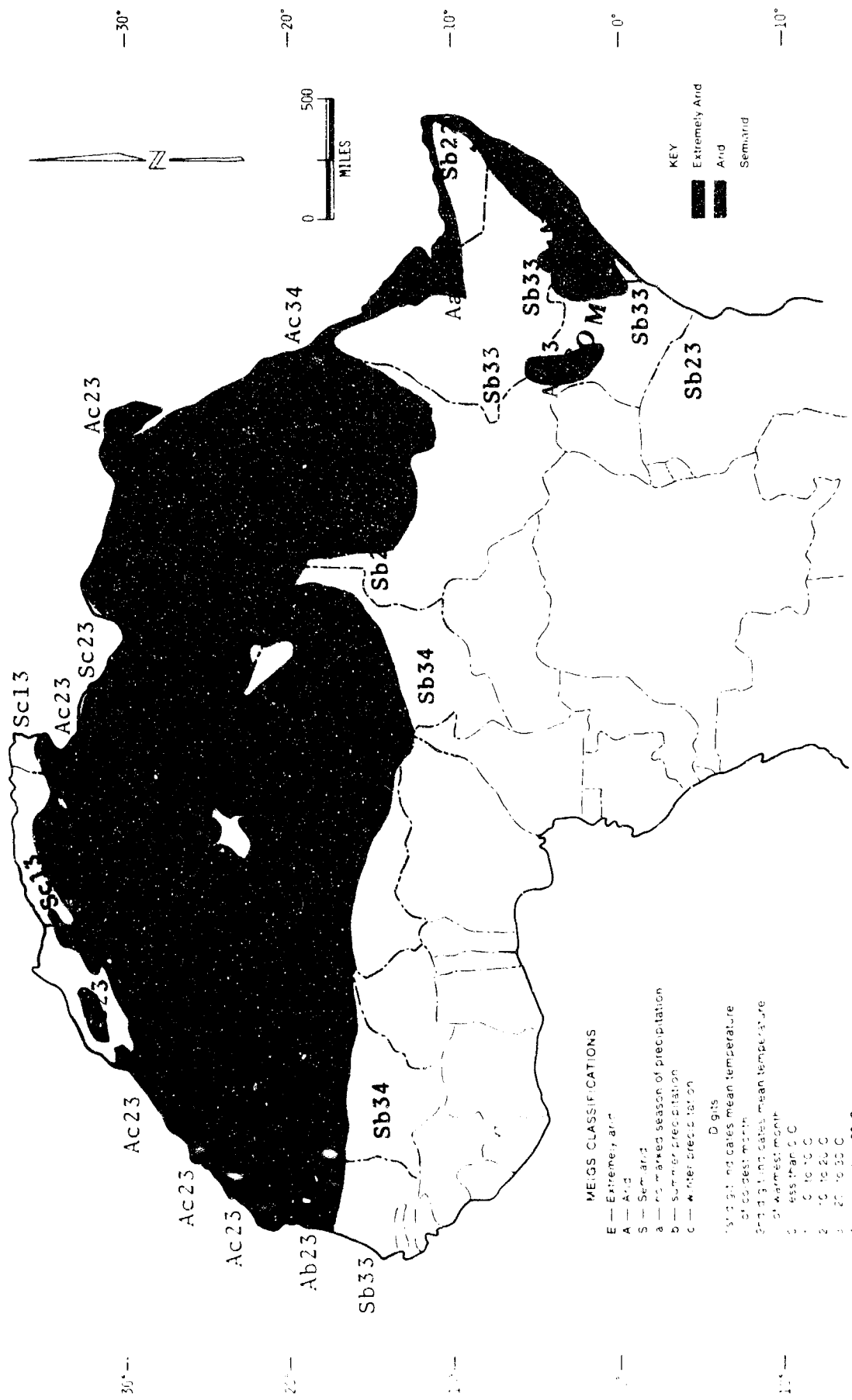
### KEY

 Extremely Arid

 Arid

Semiarid

Maps by Cartographic Service  
Goode's Homolosine  
Equal-Area Projection



**MEIGS CLASSIFICATIONS**

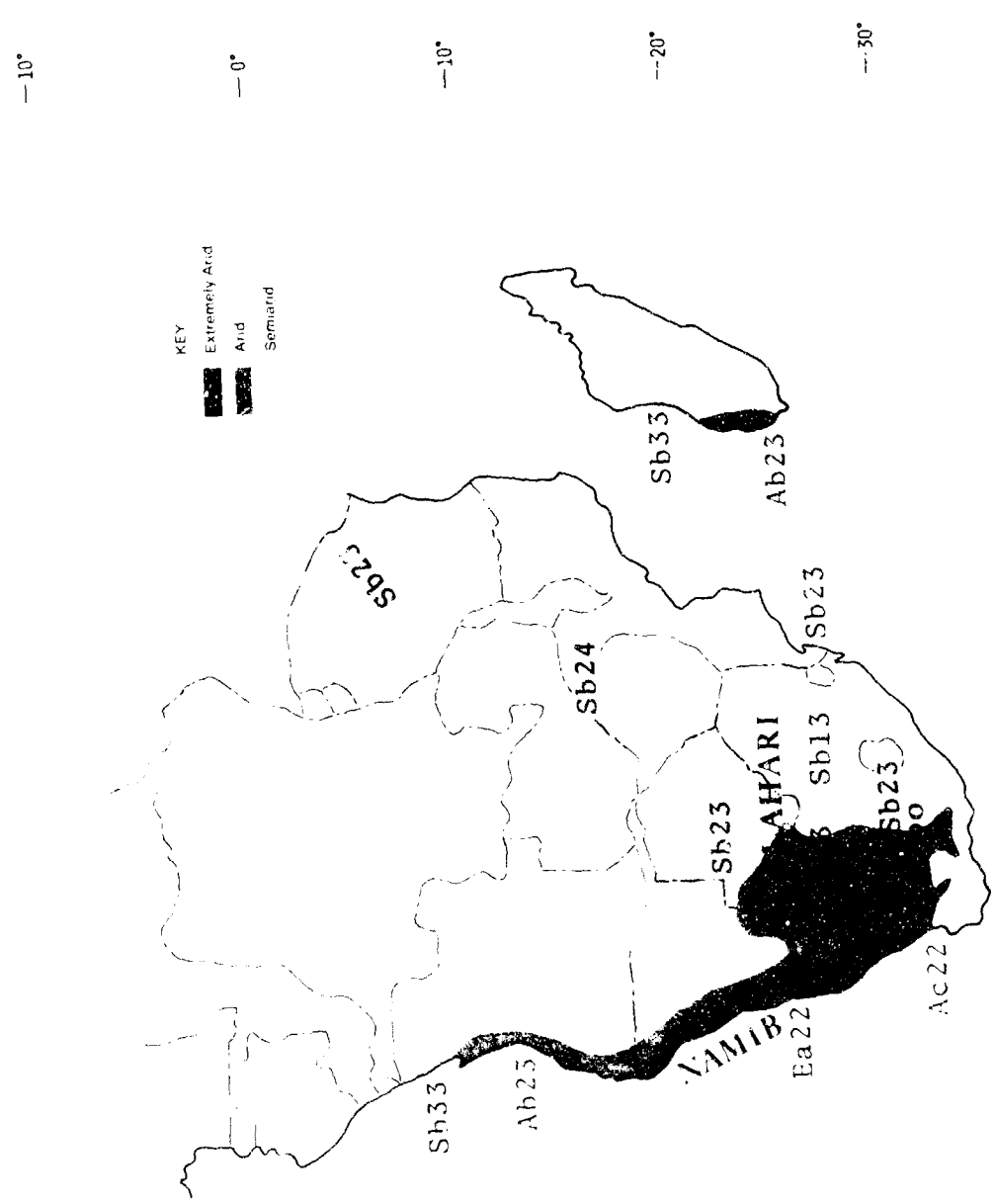
E — Extremely arid  
 A — Arid  
 S — Semi-arid  
 a — no marked season of precipitation  
 b — summer precipitation  
 c — winter precipitation

Digits

1 — highest dates mean temperature  
 of coldest month  
 2 — 3 — 4 — lowest dates mean temperature  
 of warmest month  
 0 — less than 0 C  
 1 — 0 to 10 C  
 2 — 10 to 20 C  
 3 — 20 to 30 C  
 4 — more than 30 C

Arid Lands of Northern Africa (after Meigs)

COLOR ILLUSTRATIONS OF THE WORLD'S CLIMATES  
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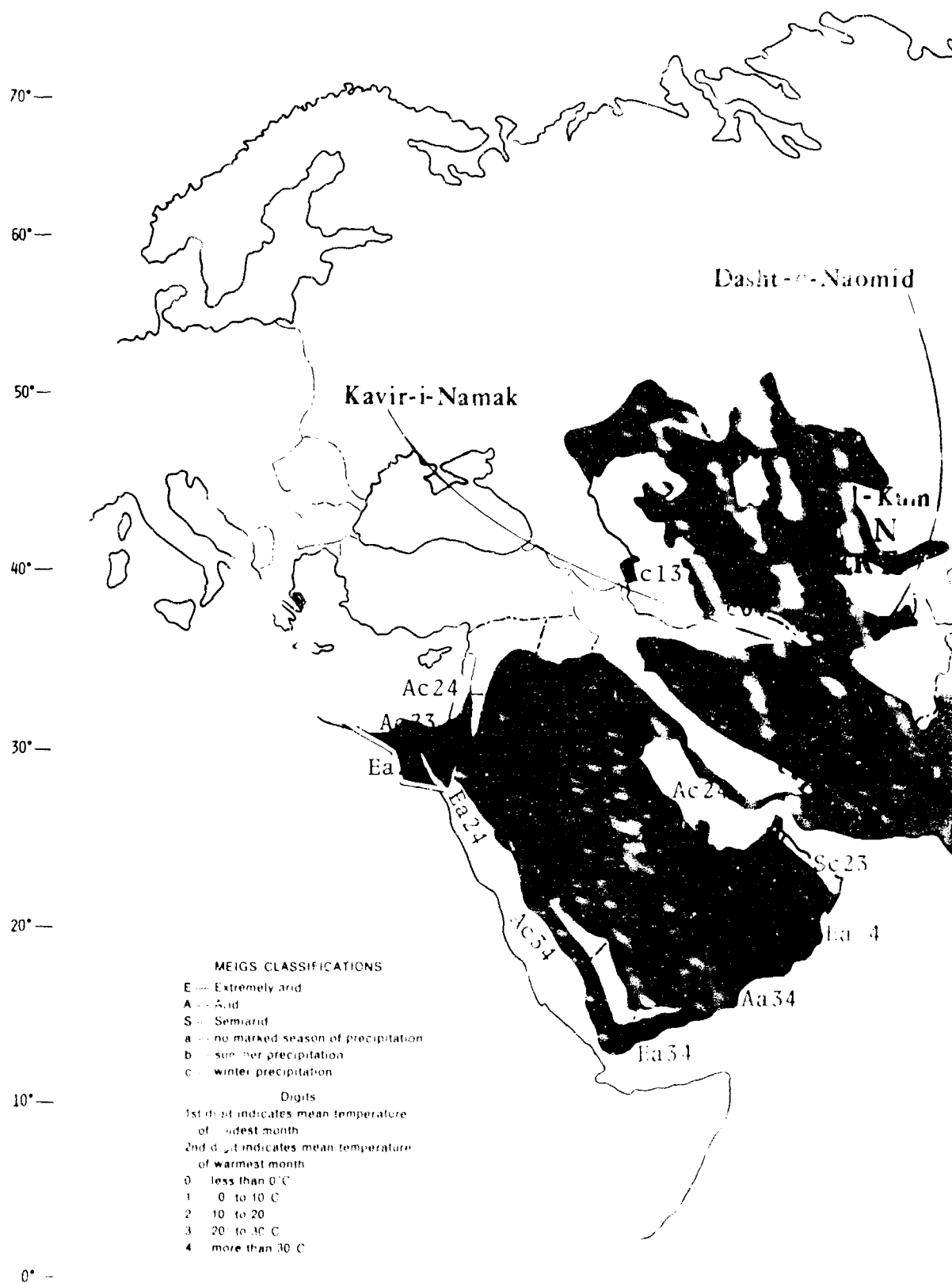


**MEIGS' CLASSIFICATIONS**

E—Extremely arid  
 A—Arid  
 S—Semiarid  
 1—Wettest season of precipitation  
 2—Summer precipitation  
 3—Winter precipitation

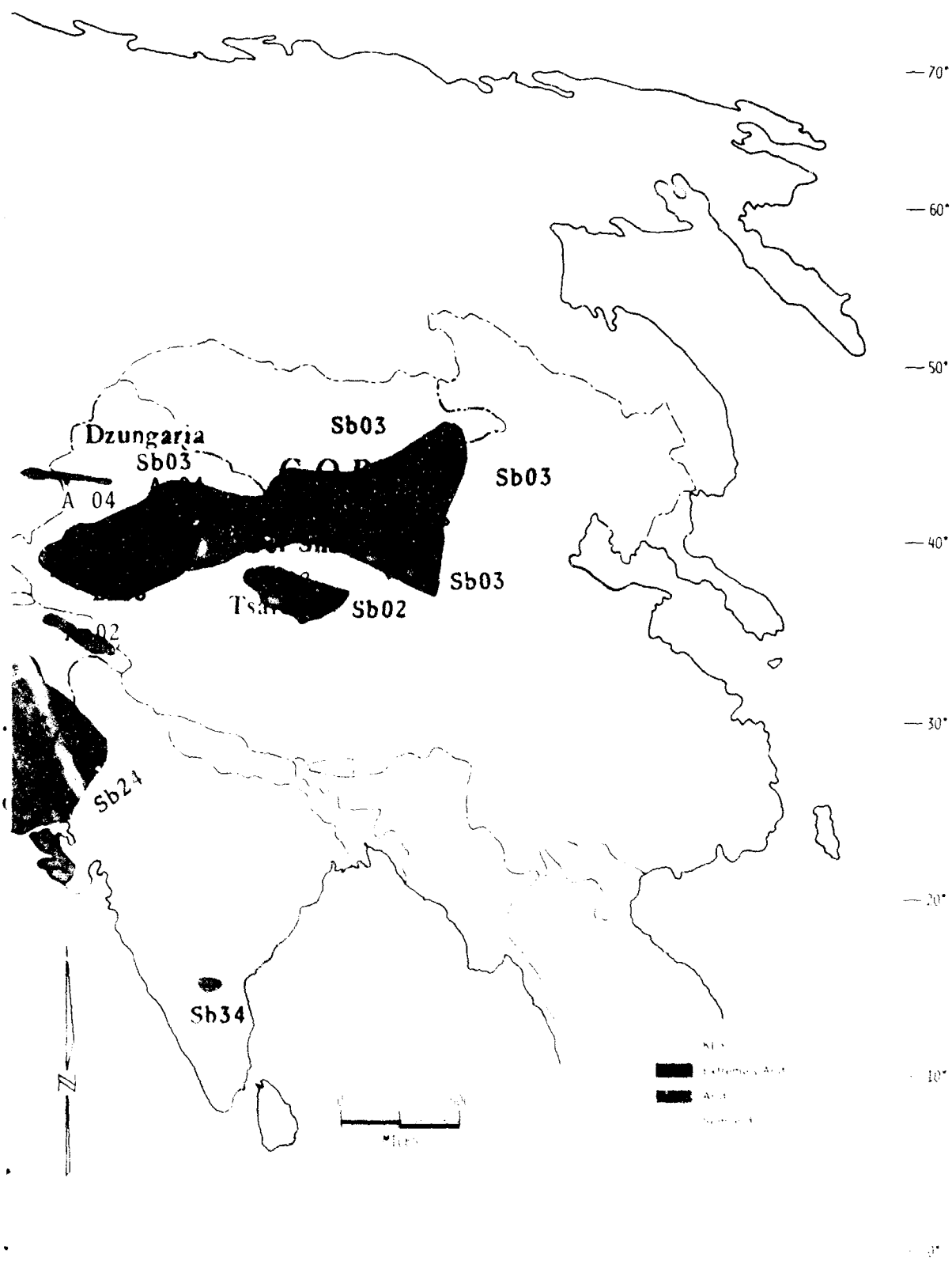
**Digits**  
 1—July, mean temperature  
 2—coldest month  
 3—July, and Gates' mean temperature  
 4—Wettest month  
 5—less than 5° C  
 6—5 to 10° C  
 7—10 to 20° C  
 8—20 to 30° C  
 9—more than 30° C

Arid Lands of Southern Africa (after Meigs)



Arid Lands of Asia: Western Portion (after Meigs)

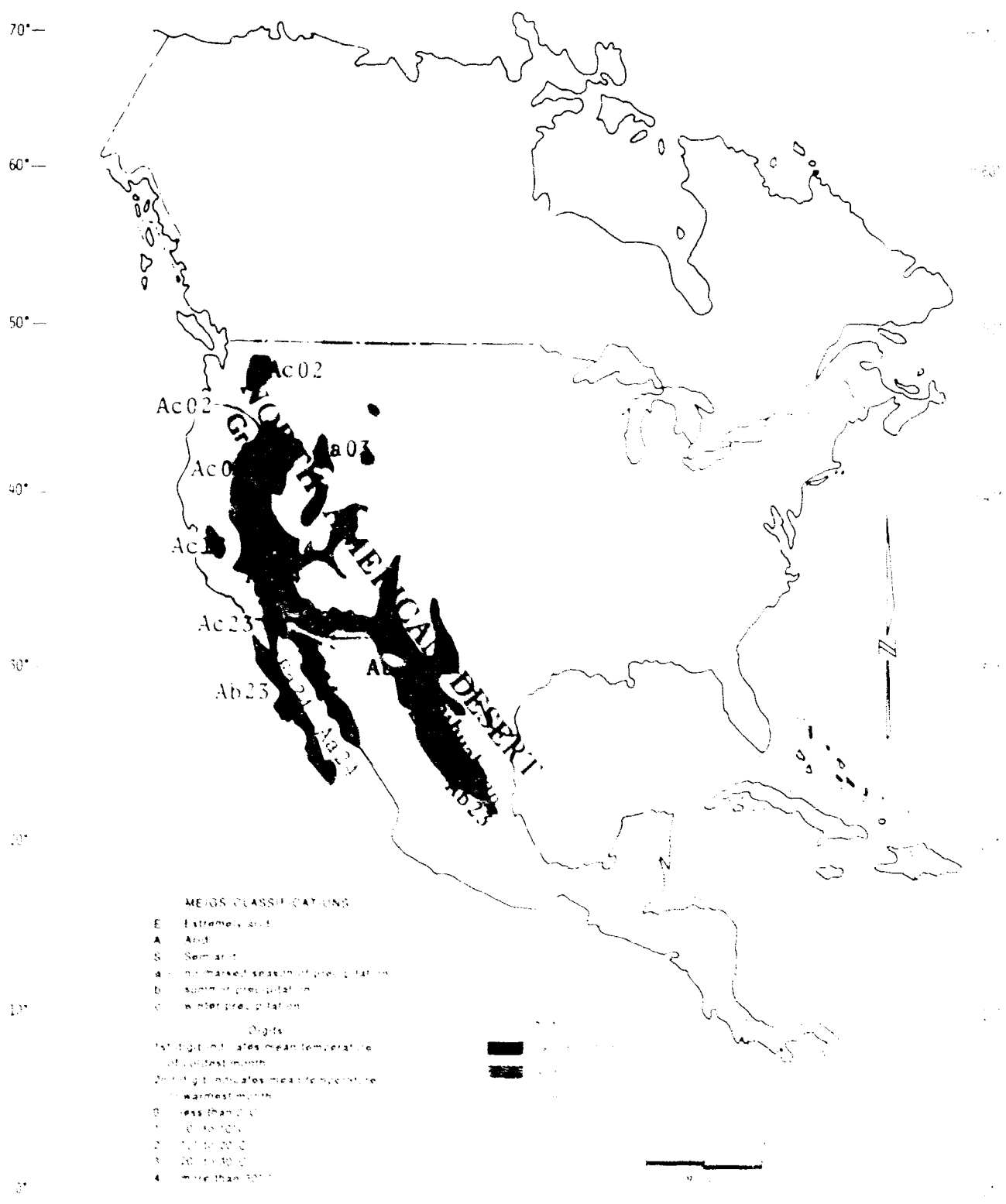
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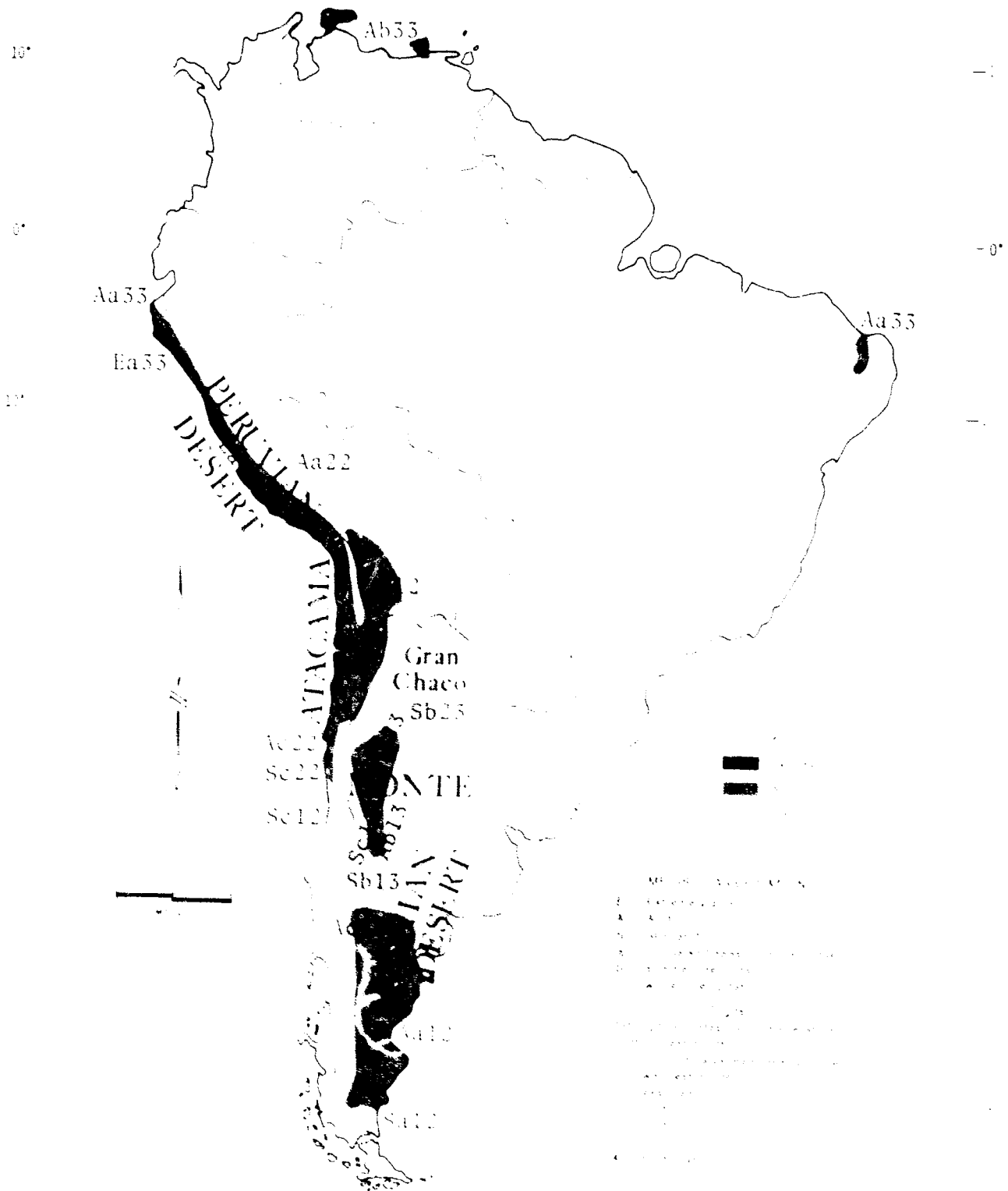
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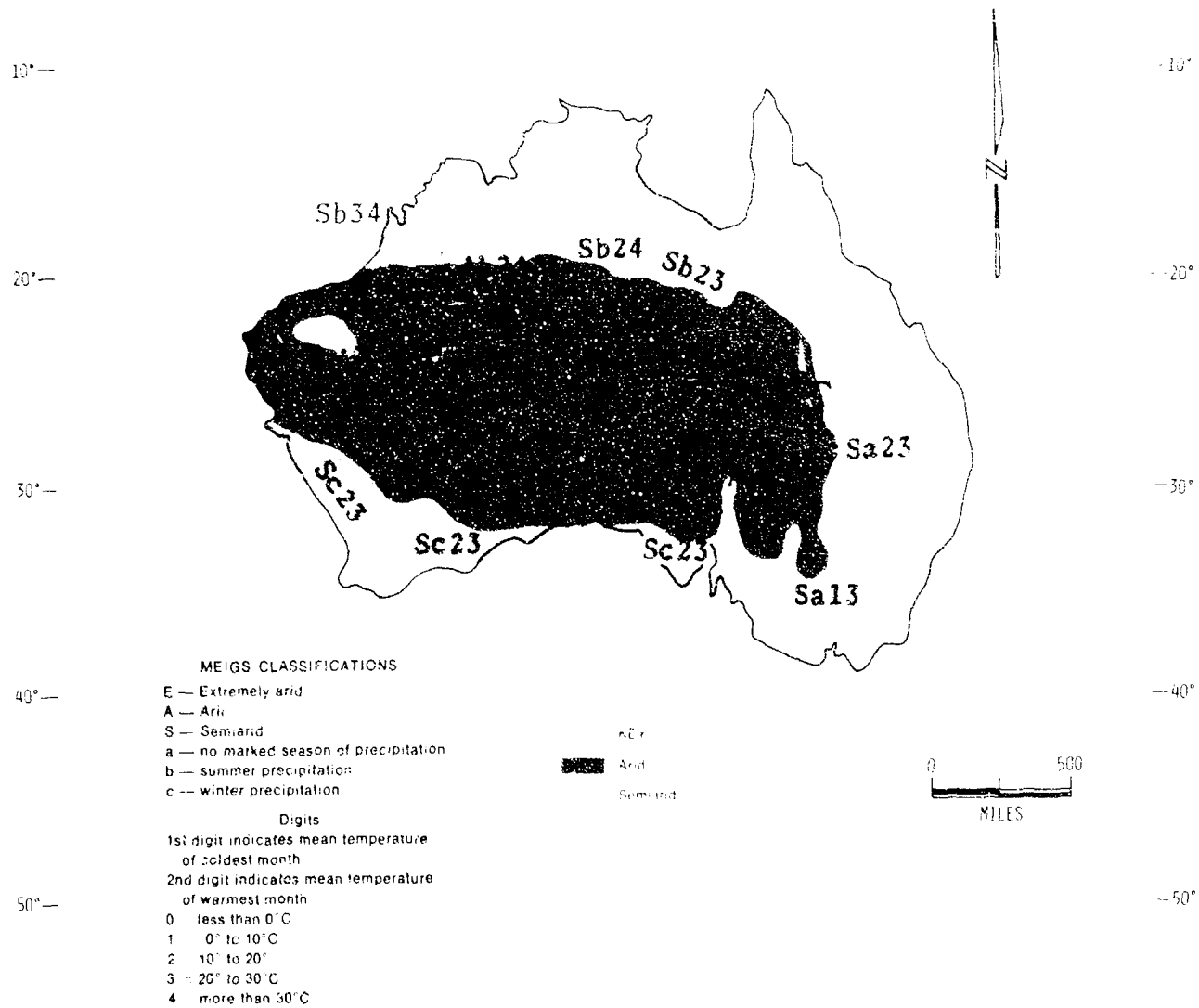
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Arctic Lands of South America (after Meigs)

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Arid Lands of Australia (after Meigs)

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