

Guide to

Hazards in the transport and storage of packages —

Part 2: Climatic hazards (Maps and
diagrams)

Co-operating organizations

The Packaging Standards Committee, under whose supervision this guide was prepared, consists of representatives from the following Government departments and scientific and industrial organizations:

Association of Steel Drum Manufacturers*	Fibreboard Packing Case Manufacturers' Association*
Board of Trade*	Food Manufacturers' Federation (Incorporated)
British Carton Association	Glass Manufacturers' Federation*
British Jute Trade Federal Council*	Institute of Packaging*
British Paper Bag Federation	Institution of Production Engineers
British Paper and Board Makers' Association (Incorporated)	Ministry of Technology*
British Paper Box Federation	Ministry of Transport*
British Plastics Federation	Packaging Films Manufacturers' Association
British Railways Board*	Paintmakers Association of Great Britain
British Tin Box Manufacturers' Federation	Soap and Detergent Industry Association*
Chemical Industries Association*	Society of Motor Manufacturers and Traders Ltd.*
Collapsible Tube Manufacturers' Association	Timber Container Confederation*
Crown Agents for Oversea Governments and Administrations*	
Envelope Makers' and Manufacturing Stationers' Association	

The Government departments and industrial organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this guide:

Association of British Chambers of Commerce	Ministry of Technology — Laboratory of the Government Chemist
British Electrical and Allied Manufacturers' Association	North East Coast Institution of Engineers and Shipbuilders
British Food Manufacturing Industries Research Association	Oil Companies Materials Association
British Industrial Measuring and Control Apparatus Manufacturers' Association	Research Association for the Paper and Board, Printing and Packaging Industries
British Iron and Steel Federation	Research Association of British Paint, Colour and Varnish Manufacturers
Chamber of Shipping of the United Kingdom	Shipowners Refrigerated Cargo Research Association
Chemical Industries Association	Society of Chemical Industry
Confederation of British Industry	Telecommunication Engineering and Manufacturing Association
Honourable Company of Master Mariners	United Kingdom Mutual Steam Ship Assurance Association Ltd.
Institute of London Underwriters	U.K. National Committee of the International Cargo Handling Co-ordination Association
Institute of Shipping and Forwarding Agents	
Lloyd's Underwriters' Association	
Meteorological Office	
Ministry of Agriculture, Fisheries and Food	
Ministry of Defence	
Ministry of Overseas Development Tropical Products Institute	

This Guide, having been approved by the Packaging Standards Committee, was published under the authority of the Executive Board on 31 March 1971

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The following BSI references relate to the work on this guide:
Committee references P/192 and P/192/1
Draft for comment 66/9593

ISBN 580 06317 8

Amendments issued since publication

Amd. No.	Date of issue	Comments

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This guide makes reference to the following British Standard:

BS 4672, *Guide to hazards in the transport and storage of packages — Part 1: Climatic hazards*.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, pages 1 to 59 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

Scope

This Part of this guide contains maps and diagrams which illustrate Part 1¹⁾ of the guide.

To facilitate cross-reference, a table is included showing in which clauses, etc., of Part 1 each group of maps or diagrams is mentioned.

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^a For definition of deterioration index, see BS 4672-1, Clause 2.4 and Appendix D.

¹⁾ BS 4672, "Guide to hazards in the transport and storage of packages", Part 1, "Climatic hazards".

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NOTE Strictly speaking, Figure 32 to Figure 53 do not represent minimum and maximum dew points, but the 5 and 95 percentile isopleths (see Part 1, 2.3).		

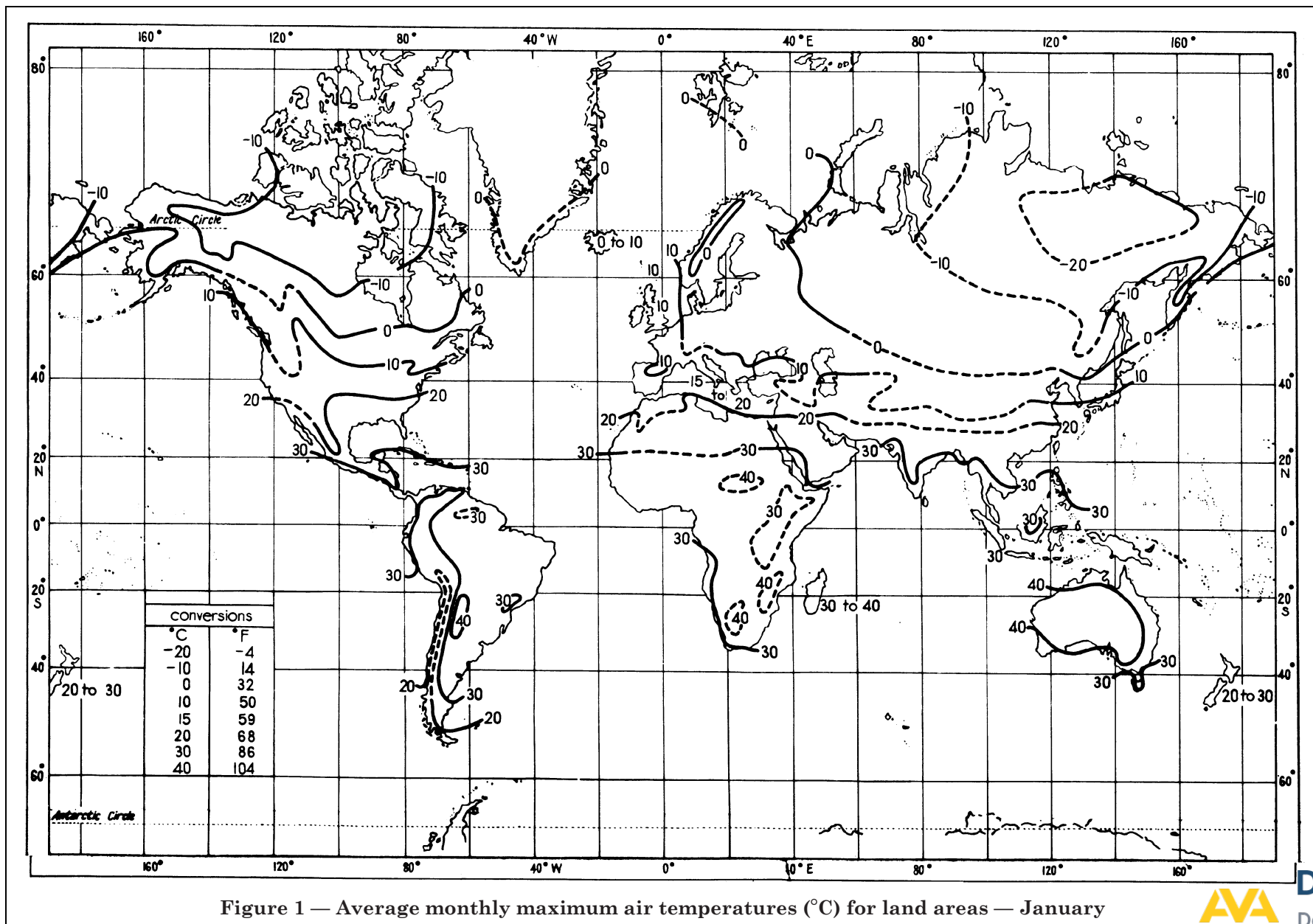


Figure 1 — Average monthly maximum air temperatures (°C) for land areas — January



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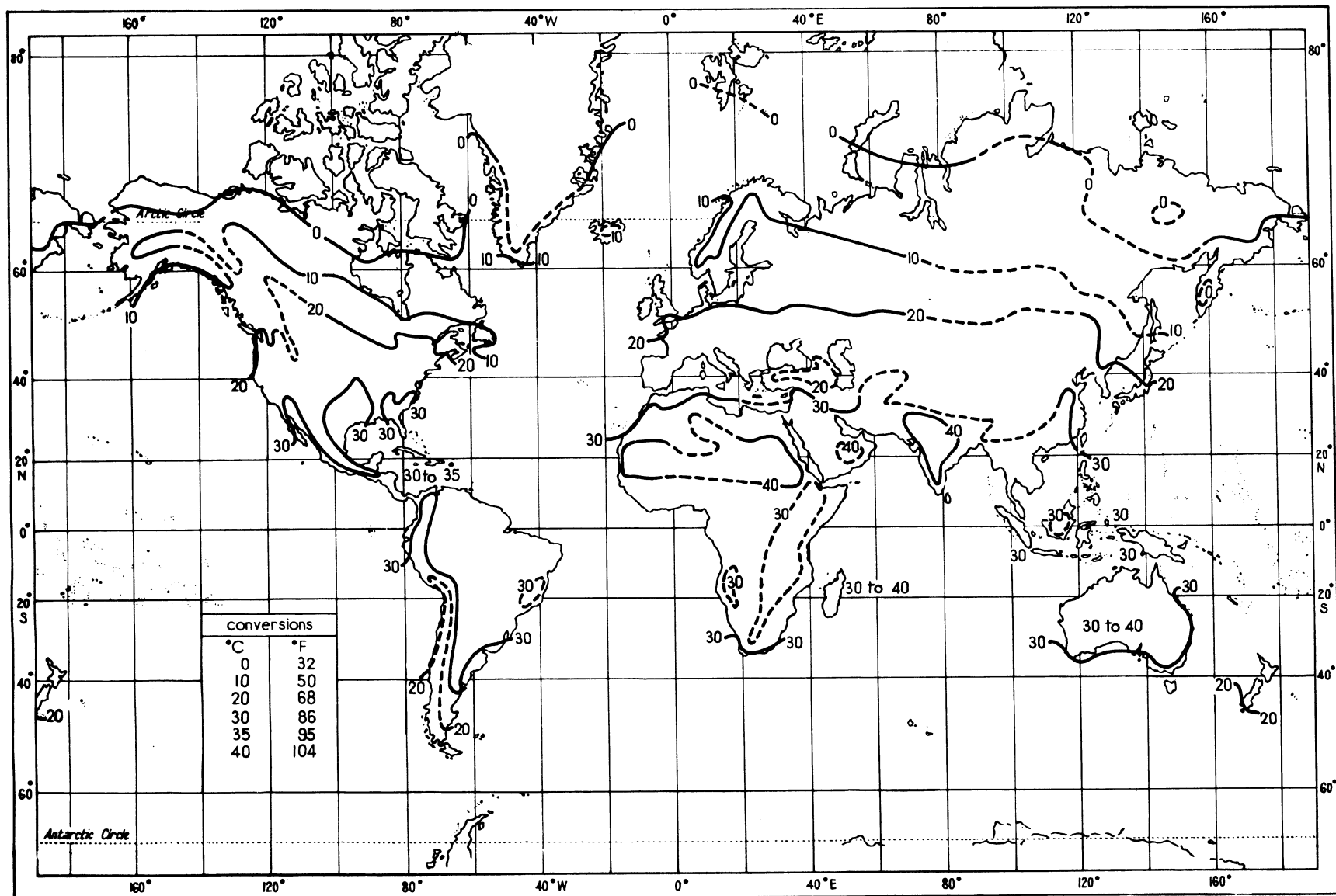


Figure 2 — Average monthly maximum air temperatures (°C) for land areas — April

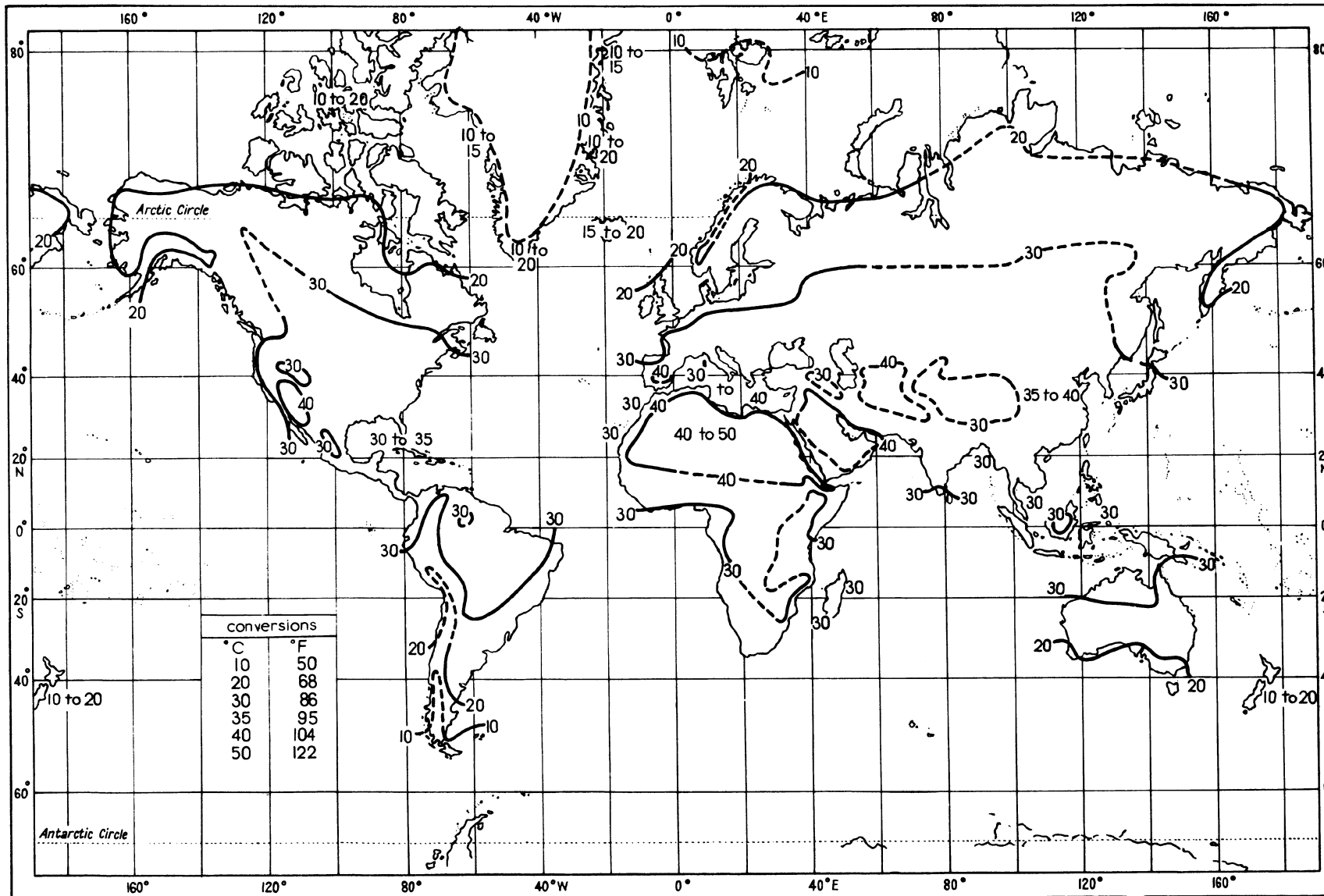


Figure 3 — Average monthly maximum air temperatures (°C) for land areas — July

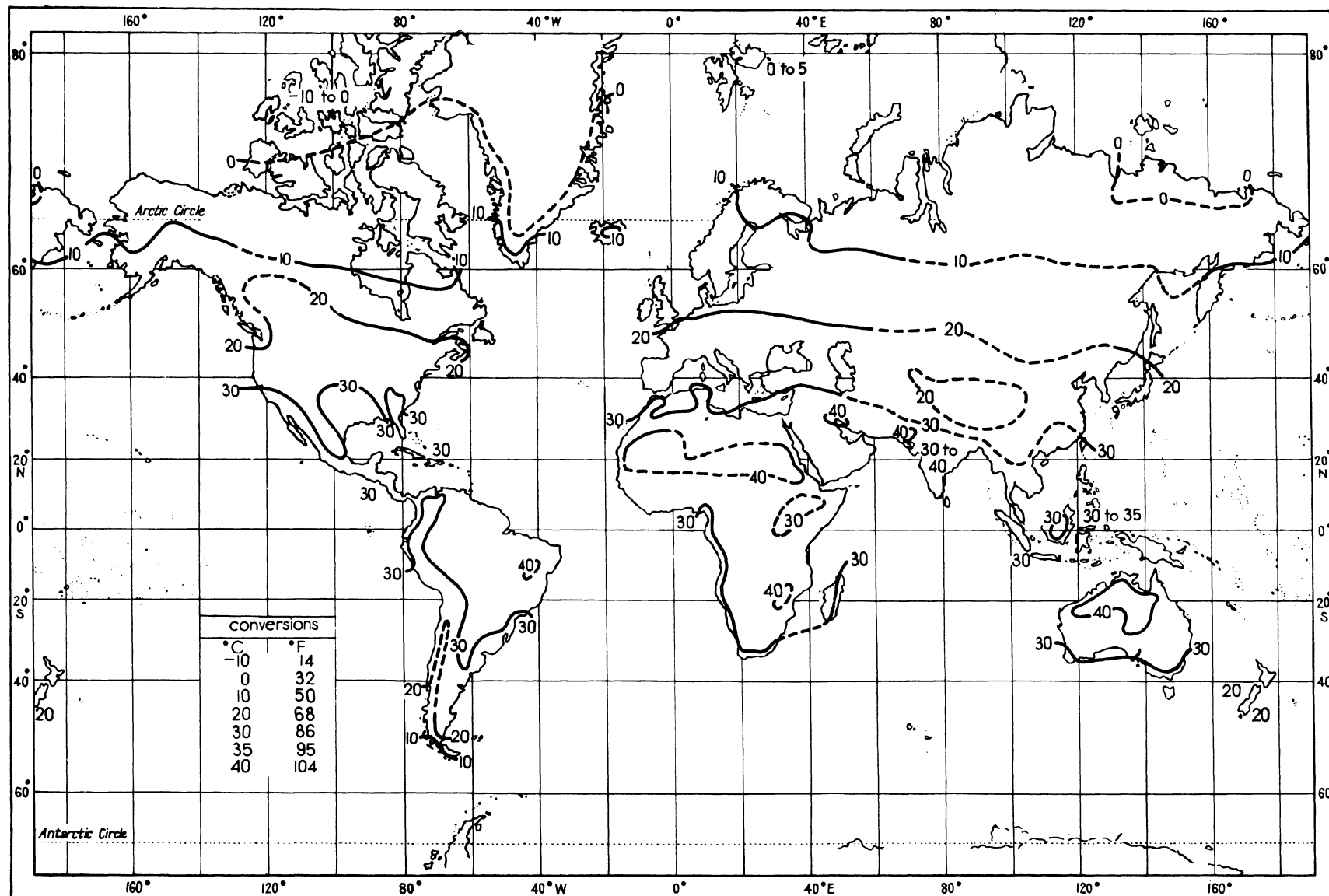
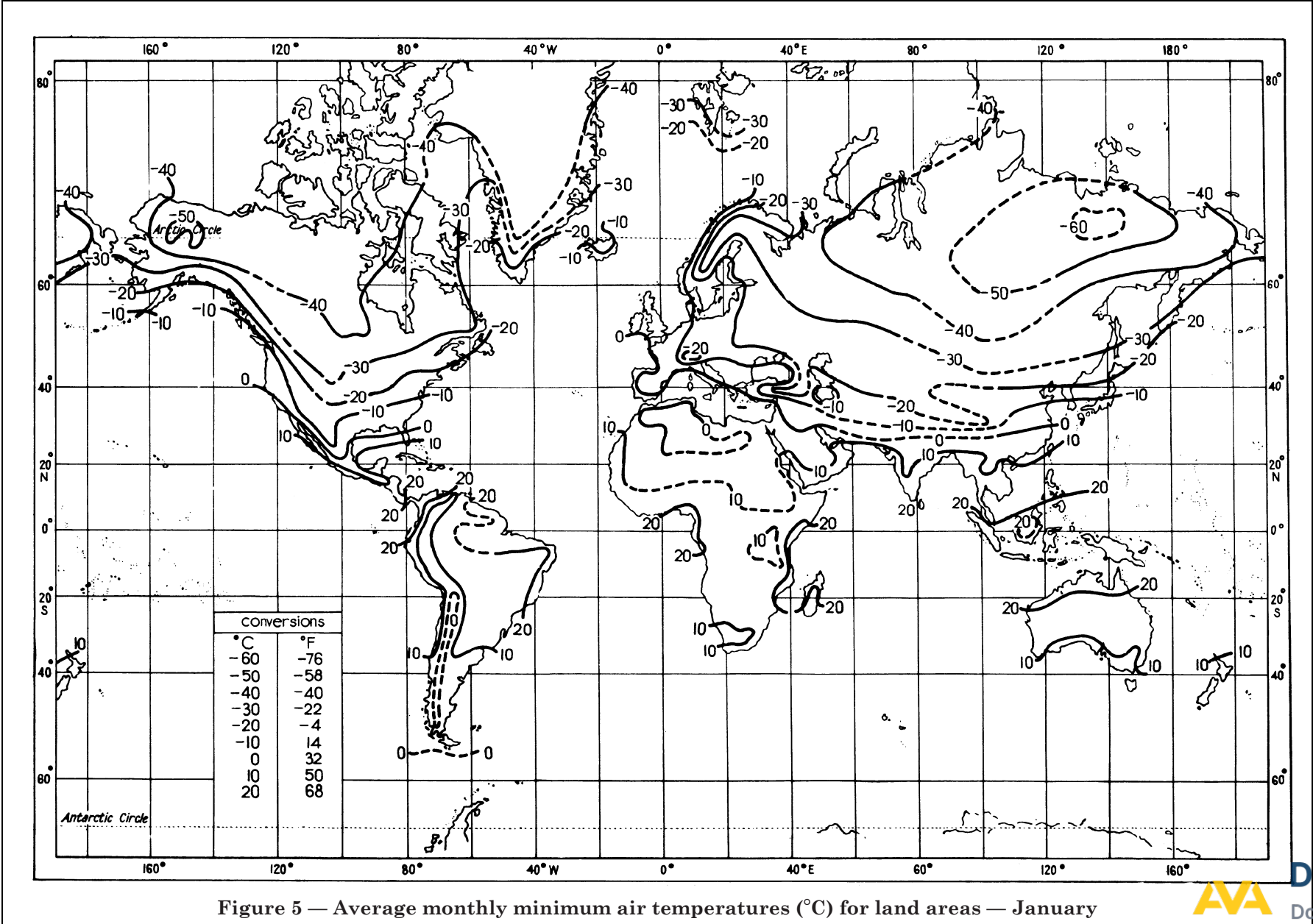


Figure 4 — Average monthly maximum air temperatures (°C) for land areas — October



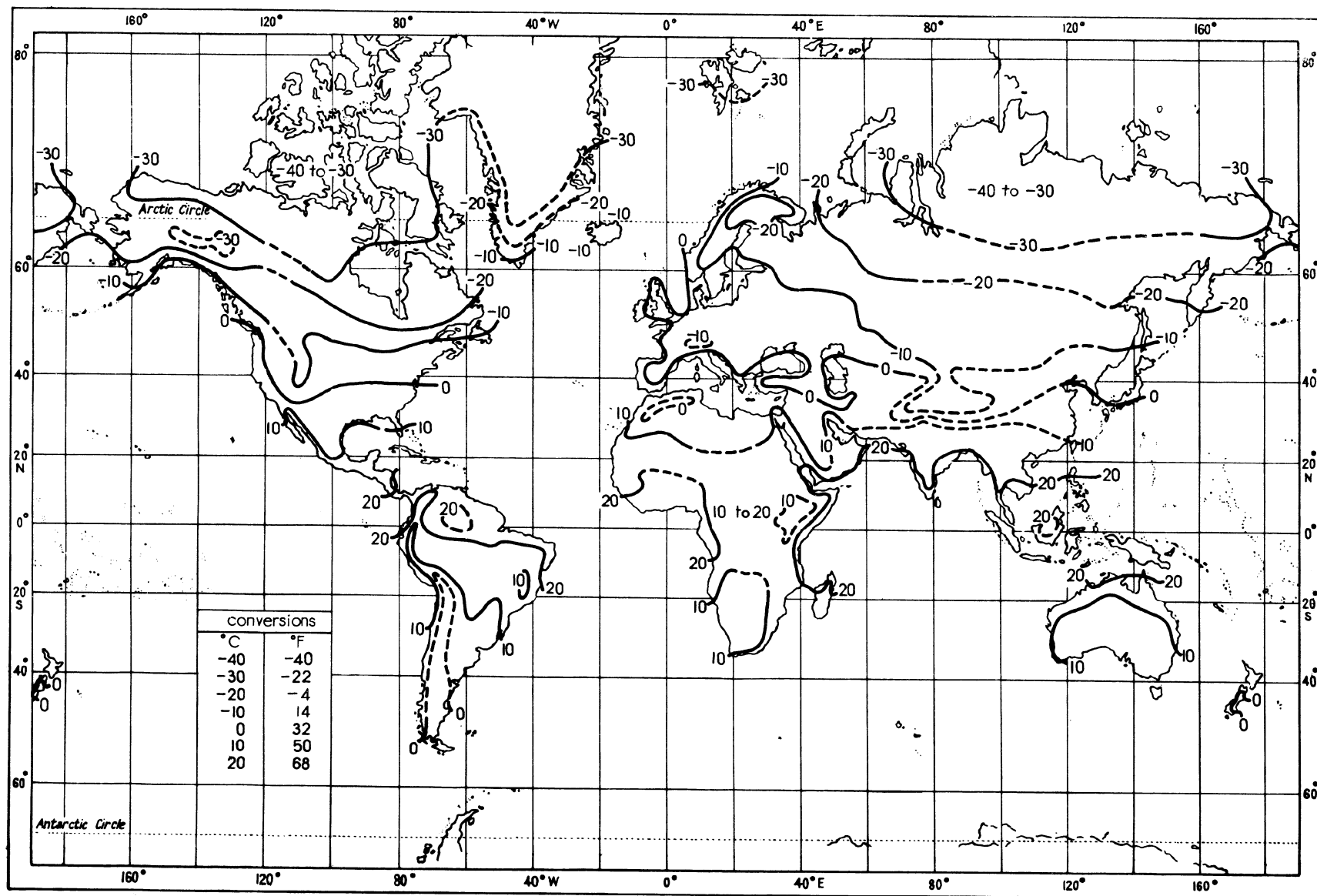
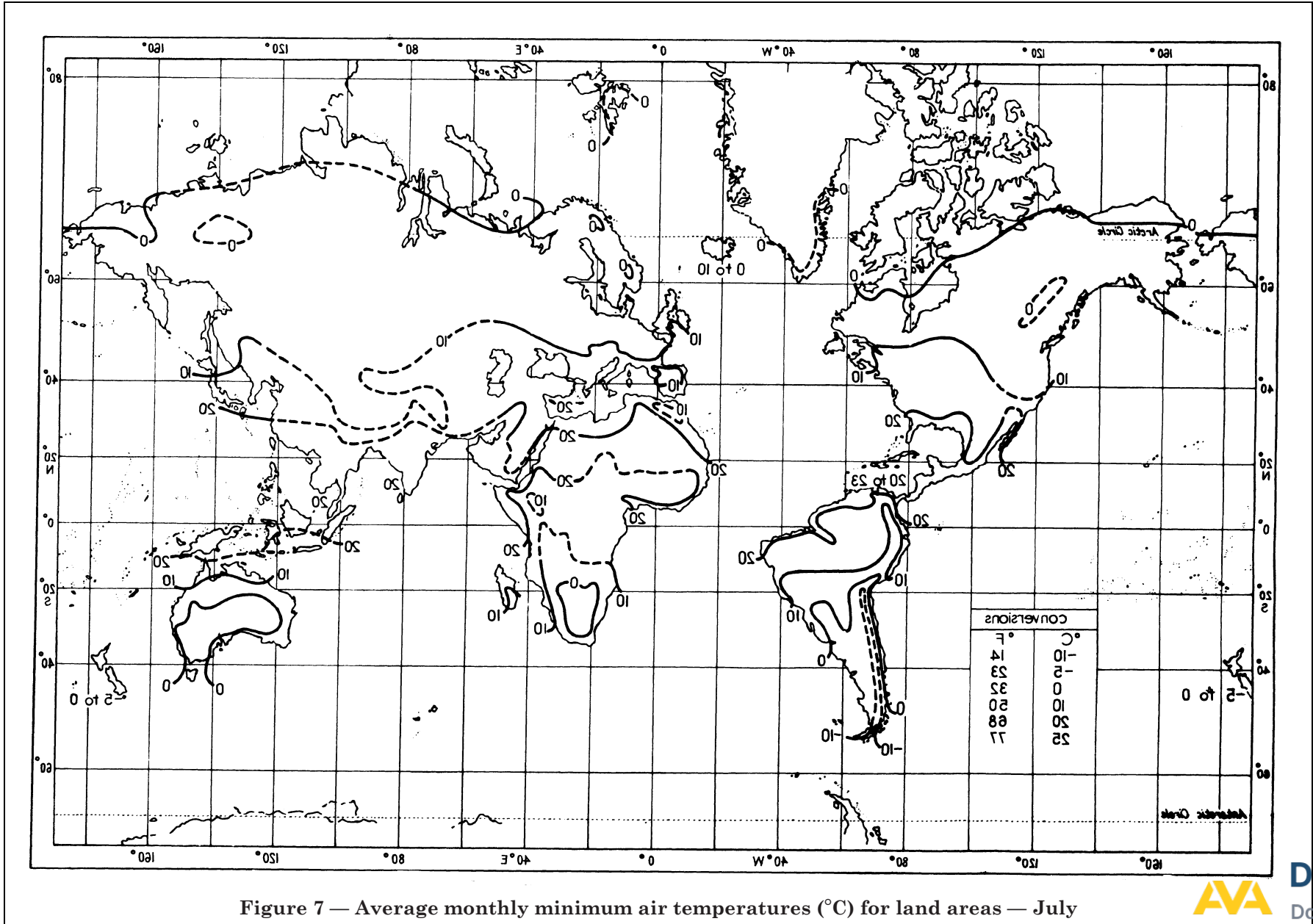


Figure 6 — Average monthly minimum air temperatures (°C) for land areas — April



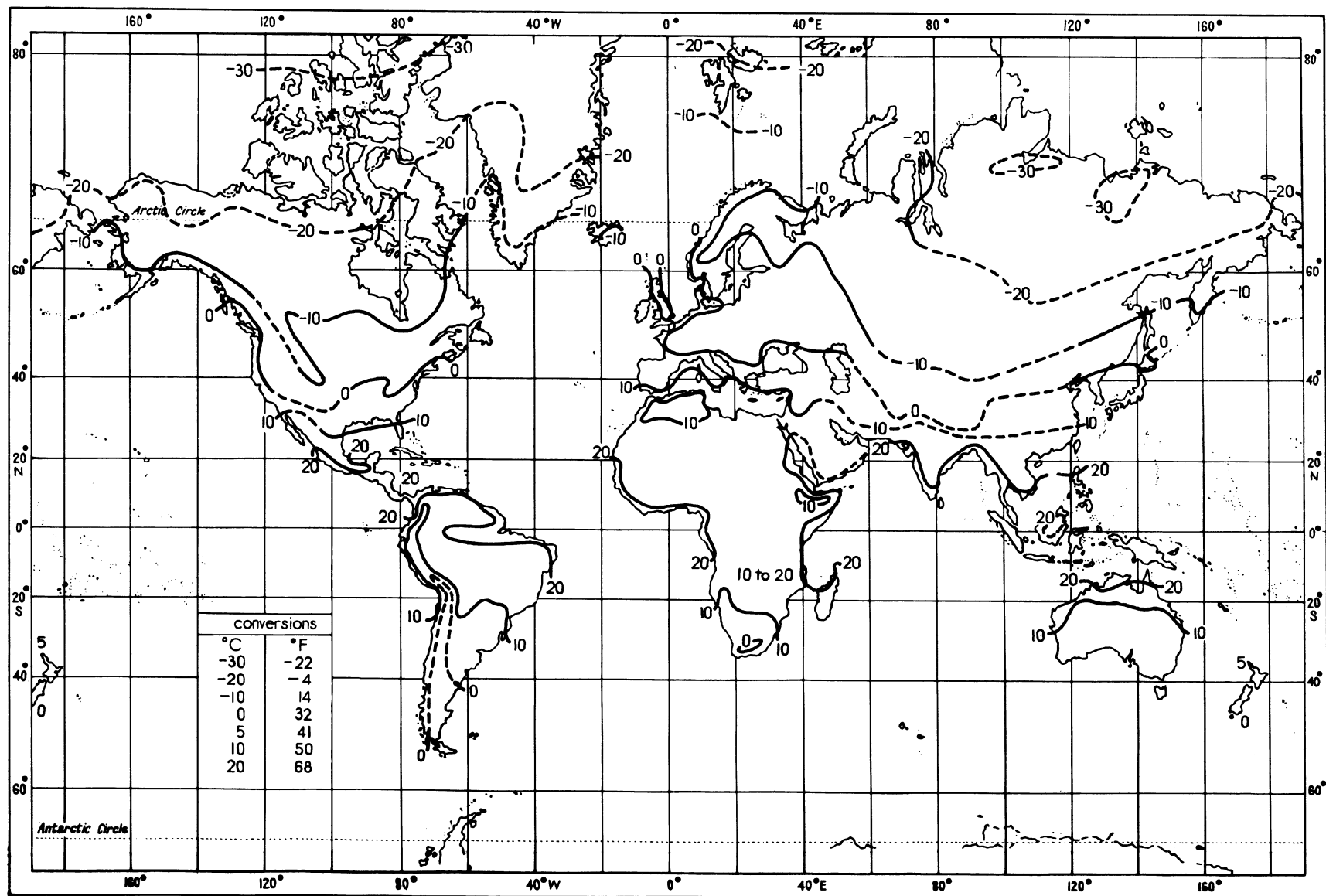
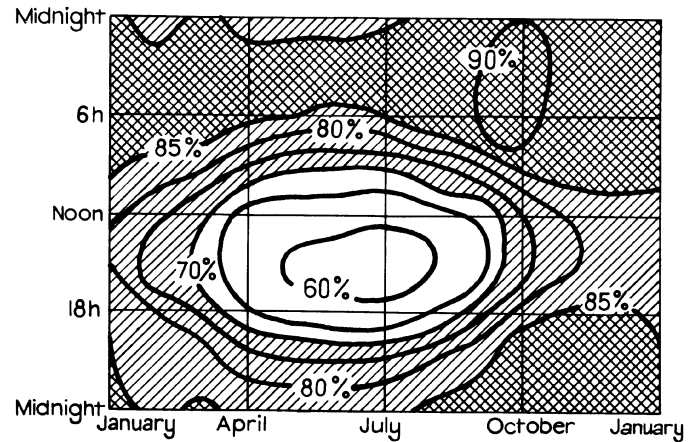
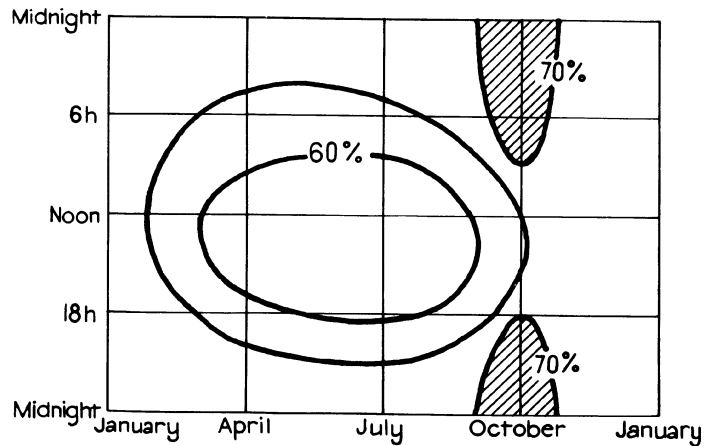


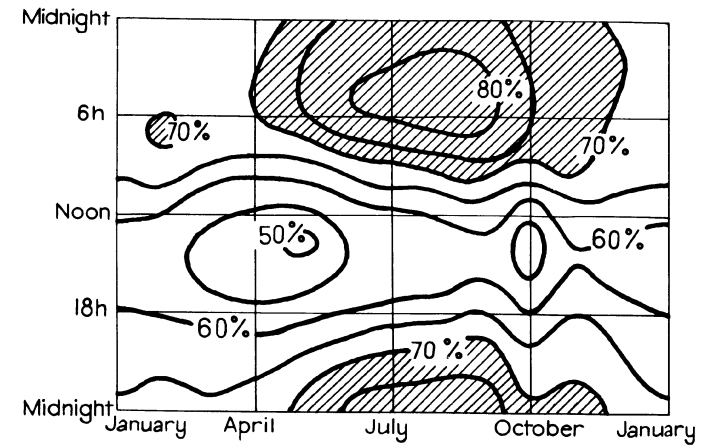
Figure 8 — Average monthly minimum air temperatures (°C) for land areas — October



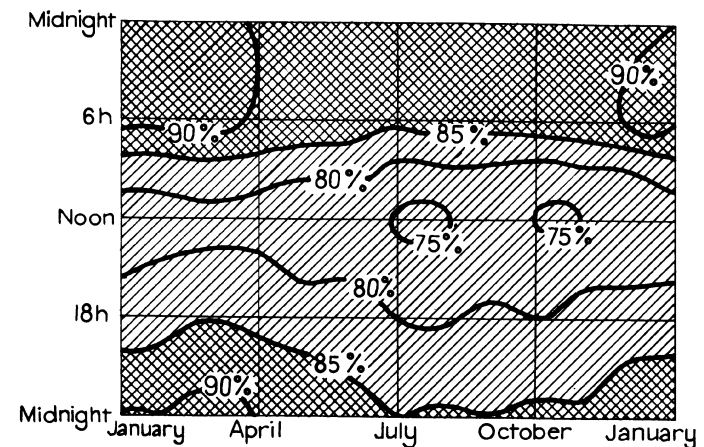
LONDON



TRIESTE

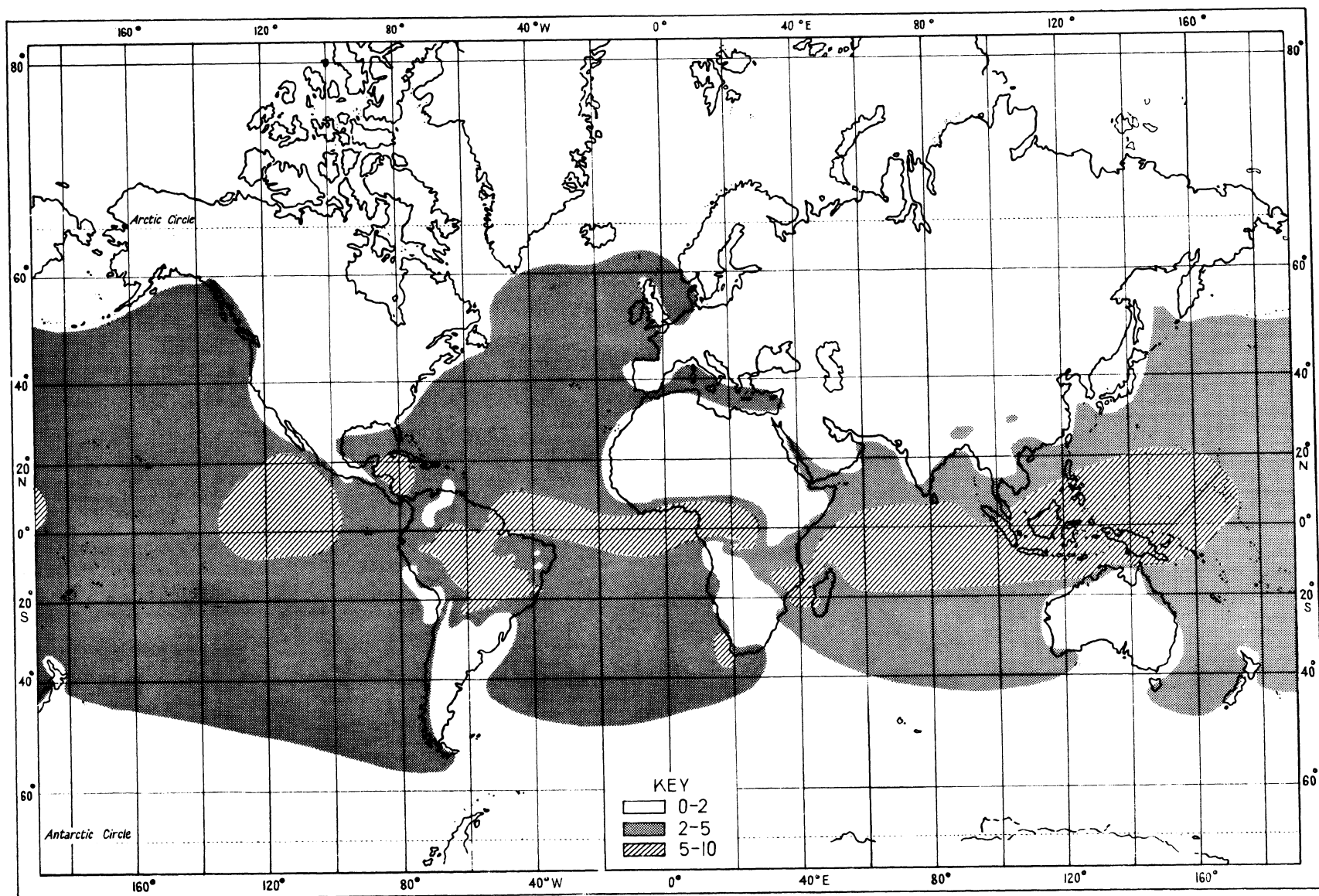


NEW YORK



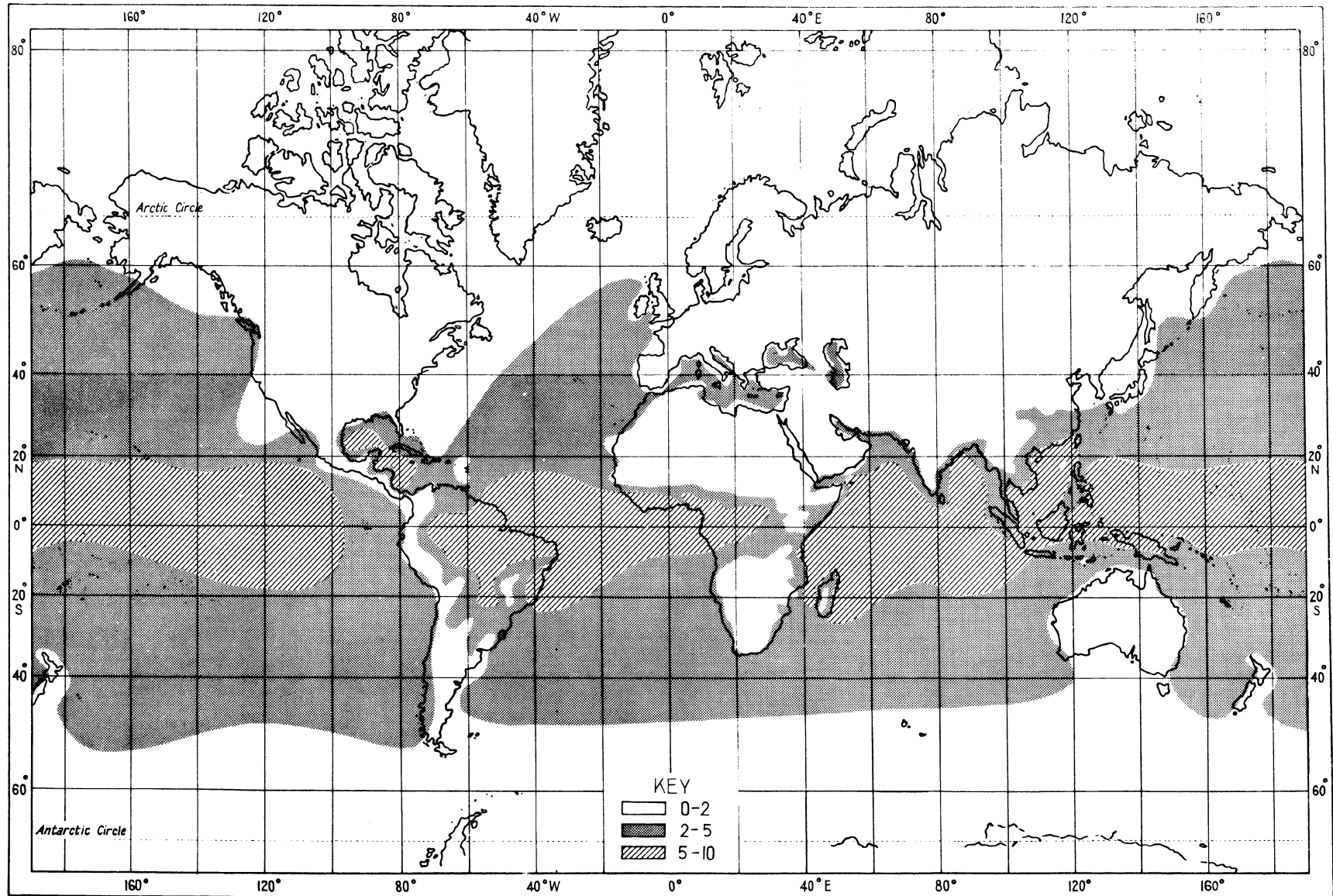
SUVA (FIJI)

Figure 9 — Typical relative humidity diagrams



The boundaries are approximate

Figure 10 — Deterioration index — January



The boundaries are approximate

Figure 11 — Deterioration index — April

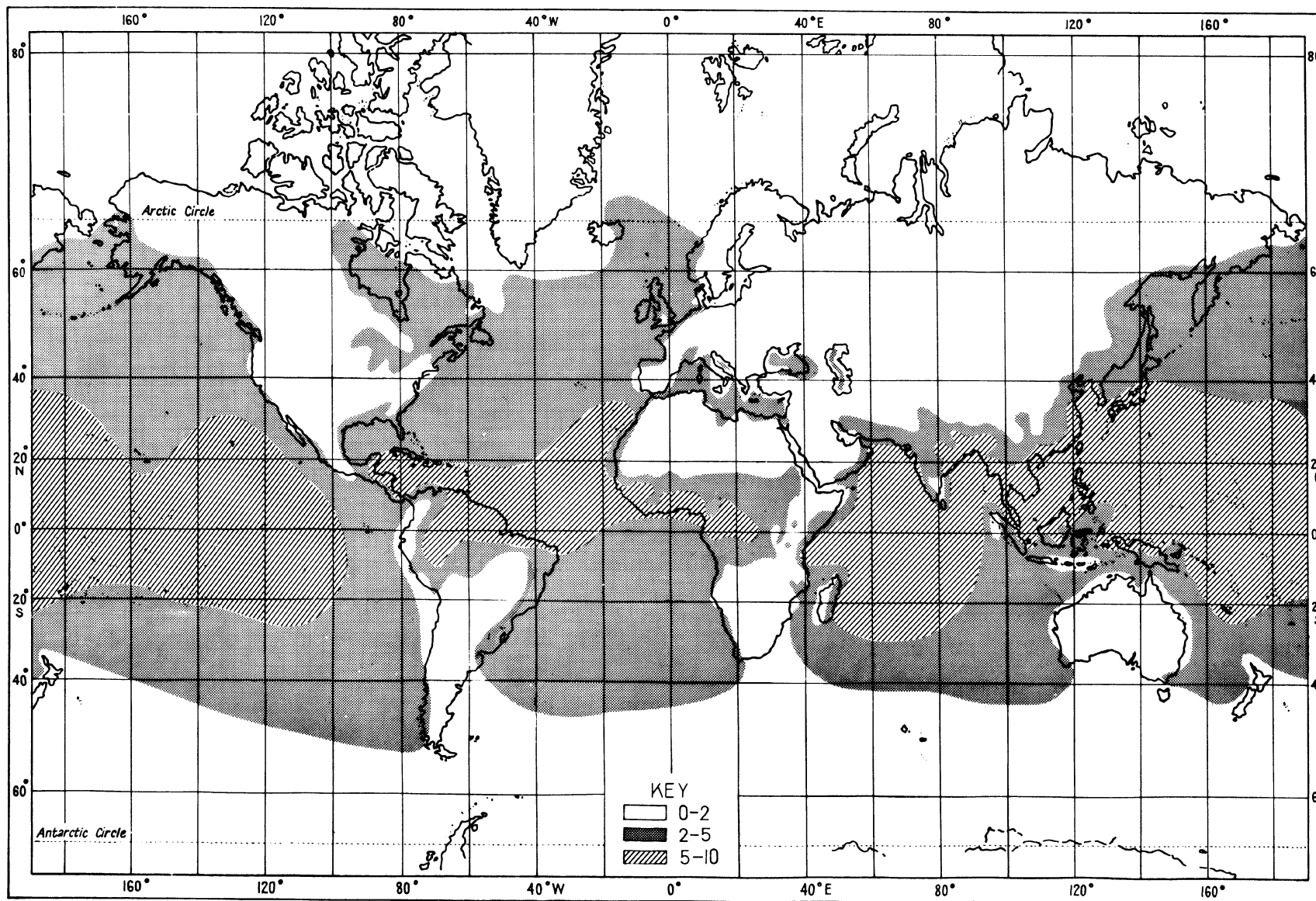


Figure 12 — Deterioration index — July