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auth: A. L. Hill
Planning Branch

CLOTHING ALMANAC NO. 14

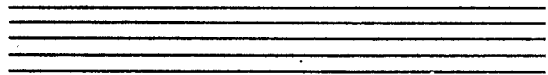
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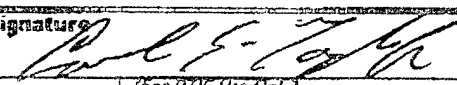
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Department of the Army
OFFICE OF THE QUARTERMASTER GENERAL
Military Planning Division
Research and Development Branch

Environmental Protection Section

Clothing Almanac No. 14

WESTERN EUROPE

Washington, D. C.

February 1951

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INTRODUCTION

1. PURPOSE. Clothing Almanacs show monthly requirements for items of military clothing to be used in a particular region. They are intended to aid logistic planners by indicating not only the most suitable military clothing for each month, but also the climatic and geographic conditions which make such clothing suitable. The tables can be used in planning clothing issue and seasonal clothing renovation, in scheduling warehouse operations to make maximum use of critical space, in estimating the probable amounts of use and wear of various items and consequent requirements for their replacement.

a. Distribution. The Almanacs are distributed for guidance to theater, Army, and other commanders responsible for authorizing the issue of discretionary items, and for information to commanders of posts, camps, stations, and divisions or equivalent organizations.

2. DESCRIPTION. Clothing Almanacs supplement T/A 21, which specifies total yearly clothing allowances for each of seven world-wide zones. Each T/A 21 Clothing Allowance Zone is based on the average temperatures of the coldest and warmest months, as shown in Table 1.

TABLE 1: Clothing Allowance Zones of T/A 21

<u>ZONE</u>	<u>AVERAGE TEMPERATURE (°F) OF</u>	
	<u>COLDEST MONTH</u>	<u>WARMEST MONTH</u>
I Tropical	Above 68	Above 68
II Semitropical	50 to 68	Above 68
III Warm Temperate	32 to 50	Above 68
IV Mild Temperate	32 to 50	50 to 68
V Cool Temperate	Below 32	Above 68
VI Cold Temperate	14 to 32	50 to 68
VII Arctic	Below 14	Below 68

For each zone, T/A 21 lists the items that are required or mandatory. It also lists for each zone the items that are discretionary. (Discretionary items are not required by all personnel within the respective zones, but they are essential to the operating efficiency of certain personnel because of duty assignments which may involve greater exposure to environmental conditions.) Within the framework of T/A 21, Clothing Almanacs show monthly clothing requirements in specific regions, indicating essential items in these regions.

a. Basis. Clothing Almanacs are based on a detailed study of local environmental conditions. Each Almanac specifies the clothing most likely to be needed by troops for adequate protection against these conditions during round-the-clock operations. Of primary concern in preparing an Almanac is the amount and kind of clothing needed by a soldier in the field while his activity is relatively light. During strenuous activity, troops need less clothing; when completely at rest, they require more to remain comfortable. Clothing Almanacs show the items that will give troops adequate protection for at least 90 percent of the time, and in an average year any particular item can be expected to be used at least 30 percent of the time during the months specified.

b. Regions. Clothing Almanacs are issued for particular regions (e.g., Alaska, Japan, Northeast Africa, etc.) which include parts of two or more T/A 21 Clothing Allowance Zones. Each Clothing Almanac Region is further subdivided into a number of Clothing Requirement Areas, according to differences in monthly clothing requirements. Although all Clothing Requirement Areas within any one of the T/A 21 Clothing Allowance Zones have the same basic annual clothing allowances, they differ in monthly clothing needs.

(1) Clothing Requirement Areas are of two types, nonmountainous and mountainous. The latter are given a special designation to indicate that field conditions and, consequently, clothing requirements may change rapidly within a relatively short horizontal distance. The mountainous Areas are divided into elevation intervals, each of which has different clothing needs. Thus, in effect, each interval represents a Clothing Requirement Area and clothing needs of troops operating within mountains can be determined for any elevation.

(2) Each Clothing Requirement Area is assigned an identifying symbol. Nonmountainous Areas are designated by Roman numerals of the Clothing Zones in which they occur, together with an identifying letter (e.g., VI-A). Mountainous Areas are designated by the Roman numerals of the Clothing Allowance Zones of their lowest elevations, together with an identifying number (e.g., VI-2). Although Clothing Requirement Areas in different Clothing Almanacs may have identical designations, they do not necessarily have the same environmental conditions or monthly clothing requirements. For example, monthly clothing requirements in Alaska VII-C are not the same as those in Greenland VII-C.

c. Map. Clothing Requirement Areas of the Region are shown on two maps in the back of the Almanac. Distinctive boundaries separate Clothing Allowance Zones; single-line boundaries separate the individual Clothing Requirement Areas. Areas are numbered according to the system outlined above.

d. Tables. For each Clothing Requirement Area or mountain elevation interval there is a table in the Clothing Almanac. Months are shown along the top, and the clothing items are listed on the left-hand side of the page. Need for an item is shown by a solid bar drawn opposite the item and in the proper month-column. The absence of such a bar means that the item is not needed in that month. For each mountain interval, elevations in feet above sea level are given at the top of the page.

e. New Items. All items listed in the clothing tables are authorized in T/A 21, Mobilization, 27 Jan 50, for the respective zones. As improvements are made and new items are standardized, they automatically replace the older ones in the tables as well as in requisitions. Upon standardization of completely new items, which are not simply improvements but are so different as not to be comparable to older items, special instructions for their use will be furnished in official Quartermaster publications.

f. Items Listed. In the tables, the clothing items have been grouped and arranged alphabetically under the headings of Body Clothing, Footgear, Handgear, Headgear, and Sleeping Equipment. For many items, model numbers, shade numbers, etc., have been eliminated to conserve space.

(1) Both discretionary and mandatory items are included in the tables. Discretionary items are indicated by an asterisk (*).

(2) No requirements are shown for specialized equipment, such as that for low-mountain and alpine areas, (T/A 21, Part III, Section II) which may be authorized by the commanding general, theater of operations, or by the Department of the Army for individuals undergoing special training in continental United States. (Boots, ski-mountain are considered specialized.)

(3) Certain items which are mandatory throughout the world, such as Drawers, cotton and Belt, waist are not included in the tables.

(4) Also excluded are items in the nature of equipment rather than clothing: insignia, toilet articles, knives, snowshoes, tents, steel helmets, etc.

(5) Under the heading "Anti-Insect" need is indicated for: Gloves, mosquito; Headnet, mosquito; Bar, insect, field; and Repellent, insect.



Fig. 1. Footgear wears out quickly on the loose sharp stones and gravels characteristic of wide areas in Portugal, Spain, and southern France (shown here in the "maquis" area of southern France, Area III-A).

Fig. 2. Intensively cultivated areas of the Netherlands, Belgium, and central and northern France remain muddy throughout the winter, making protection and care of the feet a major problem for combat troops. In this view, in the Paris basin (Area VI-A), the land is flatter than in most parts of the region.



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CLOTHING ALMANAC FOR WESTERN EUROPE

1. GENERAL.

a. Political Units and Clothing Requirement Areas. The clothing almanac region for Western Europe includes Portugal and the Azores Islands, Spain and the Balearic Islands, Andorra, Monaco, France, Luxembourg, Belgium, the Netherlands, and the Channel Islands. Four of the seven Clothing Allowance Zones of T/A 21 are represented within the Region: Zones II, III, IV, and VI, a subtropical to cold temperate range of clothing needs. Clothing requirements vary, however, with climatic and geographical diversity within the Zones, so that they have been divided into 8 mountainous and 9 nonmountainous Clothing Requirement Areas. Within each of the Areas month by month clothing needs are quite uniform.

b. Physical Regions. Terrain is diverse, varying from low coastal plains and river valleys to hills, plateaus, and high rugged mountains. Generally speaking, the three classes of topography that characterize this region are: (1) lowlands, (2) uplands, and (3) high mountains.

(1) Lowlands. The flat to gently rolling terrain of the western European lowlands includes notably the flat man-made polders of the Netherlands; the lowlands of northwest Belgium and the Paris "basin" (Fig. 2); southern and western France; the river valleys of western Portugal and southwestern and eastern Spain; and coastal plains of various sizes. Where mountains or plateaus approach the coast, as in northwestern Spain and southeastern France, lowlands are small and interrupted by steep headlands.

Collectively, the lowlands are more uniform in climate than the upland areas. Transportation, by water or land is not difficult. These lowlands, together with the lowlands of the other western European countries, contain the bulk of Europe's population.

(2) Uplands. Uplands, consisting of plateaus and low mountains, include the greater part of interior Iberia (the "Meseta" of Spain and its bordering uplands), the "Massif" of south central France, the Vosges and Ardennes mountains of northeastern France and southeastern Belgium. These regions are characterized by many wide inter-stream divides, forming level to rolling land at higher elevations.

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Climate is more severe than in the surrounding lowlands, with generally lower winter temperatures, and with the exception of most of Spain, greater annual precipitation. However, there is a gradual climatic change from south to north, from the plateaus of Spain to the Ardennes; winter temperatures become lower, summers milder, and precipitation heavier. This is reflected in the natural vegetation: the foothills and plateaus of Spain and southern France (Fig. 1) are characterized by a typical Mediterranean growth of scrub trees and grasses; the "Massif" is typified by grassy valleys and forested interstream ridges; the Vosges and the Ardennes are heavily forested. With the exception of some widely separated urban settlements, nowhere are these uplands densely populated.

The uplands also include the low mountains of the two western peninsulas of France (Cherbourg, Brest), which are rainy and foggy most of the year. Forests are confined to sheltered areas, and the wind-swept open land is covered with moors. Population is unevenly distributed; the chief economy is grazing.

(3) High Mountains. The most conspicuous mountains of the region are the Pyrenees between France and Spain, the Alps on the eastern border of France, and the Sierra Nevada in southern Spain. They are characterized by steep slopes, rugged terrain, and rapid changes upward to colder climates. Transportation across the Alps and Pyrenees is difficult; there are few good passes, and these assume great economic and strategic importance. The most important land routes between France and Spain run near the coasts around the ends of the Pyrenees. Population is sparse, and is concentrated largely in the valleys.

The Sierra de Guadarrama of central Spain and the Cordillera Cantabrica of northern Spain are rugged mountains but are lower and less formidable barriers than the Alps and Pyrenees.

2. ENVIRONMENT AND CLOTHING.

a. Climate

(1) Comparisons. Climatically, Western Europe is similar to the Pacific coastal portion of the United States (Table 2). Southern Spain and Portugal are much like southern California: winters are mild and moderately moist, summers are warm and dry. The interior of Spain has little rainfall in any season. The north coast of Spain and the Bay of Biscay coast of France are similar to northern California and Oregon: winters are cool and wet, summers are mild and are considered dry even though northern Spain and southwest France may receive appreciable amounts of rain.

Northwest France, western Belgium, and the Netherlands are somewhat like the Puget Sound area of Washington: winters are cool, summers mild. Rainfall, however, differs in seasonal distribution: whereas precipitation is rather evenly distributed seasonally in northern France, Belgium, and the Netherlands, winter rainfall far exceeds that of summer in northern Washington.

(2) Winter. For the greater part of this region, the winters are best described as wet-cold. Areas above 7,000 or 8,000 feet in the Alps and Pyrenees have Arctic conditions in winter. The Azores and Balearic Islands, and the southern coasts of Spain and Portugal, are cool (mean temperatures generally above 50°F) rather than cold.

Wet-cold means a combination of wet ground and temperatures around freezing (averages 23° to 50°F), with frequent, although not necessarily heavy, precipitation. Hands, face, and clothing are kept wet for long periods of time, with consequent chilling of the entire body. Under these conditions the extremities, particularly the feet, cool most rapidly when men are inactive. Even though adequate footgear is worn, trenchfoot may result if feet are not cared for properly. Suitable clothing will (1) provide adequate insulation for existing temperatures, and (2) keep hands, feet, and inner clothing dry. Proper clothing combinations for wet-cold conditions are listed and discussed in Section 3.

Winter precipitation is generally frequent and of long duration in most sections of the region, and keeping clothing dry may be difficult. Precipitation is heaviest along the Atlantic coast and in the mountains. Although the annual total of 30 to 40 inches along the entire Atlantic coast (III-3, III-B, III-D, and IV-A) is well distributed seasonally, precipitation falls on a greater number of days in winter than summer. Mediterranean coasts and interior Spain are the driest sections of the region, with 10 to 20 inches per year, most of it during the cooler part of the year.

Winter winds in high mountain areas are normally strong, reducing the insulating effect of clothing. At 32°F, one more layer of clothing is needed when the wind is 10 mph than when it is calm. In the Pyrenees, for example, at elevations above 8,000 feet, the Parka is recommended, not because of the cold (average monthly temperatures are above 14°F), but because wind speeds normally are rather high. Winter winds are strong also along all Atlantic facing coasts. The Rhone Valley and the adjoining Mediterranean coastal areas occasionally experience a very strong cold winter wind, the mistral, from the north.

TABLE 2: Mean Monthly Temperature (°F) and Precipitation (in.) at Comparable Stations in Western Europe and Western United States

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Cartagena	T	51	52	55	59	64	70	75	76	72	66	59	52
S. Spain	P	1.8	1.2	1.6	0.8	0.9	0.7	0.5	0.2	1.3	1.4	1.7	1.3
Riverside	T	52	54	56	60	64	70	76	76	70	65	58	53
S. Calif.	P	2.2	2.0	2.1	0.8	0.4	0.1	0.1	0.1	0.2	0.6	0.7	1.6
Corunna	T	49	50	51	53	57	61	64	65	63	58	53	51
N. Spain	P	3.2	3.1	3.2	2.5	2.2	1.4	0.9	1.2	2.2	3.5	4.2	4.4
Santa Rosa	T	47	50	52	55	59	64	66	65	64	60	53	47
N. Calif.	P	6.3	5.2	4.0	1.8	1.2	0.3	0.1	0.1	0.5	1.5	3.4	5.4
Vlissingen	T	37	38	42	47	54	60	63	63	59	52	45	40
Neth.	P	1.9	1.5	1.8	1.5	2.0	2.1	2.6	3.0	2.8	2.9	2.4	2.3
Seattle	T	38	41	45	50	55	60	63	64	59	52	45	41
Wash.	P	4.9	3.3	2.6	2.2	1.6	1.3	0.6	0.9	1.4	2.8	4.6	4.7

(3) Summer. The summer season is hot and dry throughout most of Iberia and southern France (Zones II and III), and mild and pleasant in the Low Countries and northern and western France (Zones IV and VI). Woolen clothing is recommended for summertime wear in Zones IV and VI, whereas cotton clothing is preferable for the warmer Zones II and III. Below 2,000 feet in the Pyrenees, and along the north coast of Spain (Area III-3), where average temperatures change rapidly within short distances, both woolen and cotton clothing are recommended (Table 3) as protection and to provide comfort. In Zone II (the Azores Islands and southern Spain and Portugal), Jacket & Trousers, lightweight, special are suitable for combat troops.

In southern and interior Spain and Mediterranean France, the range of actual temperatures experienced during July and August may be greater than 40°F. For example, at Seville (II-B), afternoon temperatures of 105°F or greater are common, and early morning temperatures sometimes are below 65°F. Such a variation in temperature requires flexibility in use of the uniform; items not needed during the day may be necessary for protection at night.

In the Mediterranean areas, summer skies are usually clear, humidities are low, and daytime temperatures high. Under these conditions, the skin may dry out and burn easily; precaution should be taken against sunburn. Dry summer winds blowing sand and dust in interior and southern Spain may render eye shields or headcloths advisable for face and eye protection.

(4) Spring and Fall. For any particular Area within Western Europe, spring and fall clothing needs are intermediate between those of summer and winter. Clothing for these transitional months is comprised of elements from both the summer and winter uniforms. The tables show an apparent excess of items in these months, and enough variety of clothing is recommended to provide adequate and comfortable protection against the changing weather.

b. Surface Conditions

(1) Snow Cover. The average number of days per year with snow cover (Table 3) is an indication of the need for Parka & Trousers, field, overwhite, Mittens, overwhite, and sun glasses or goggles. Overwhites are indicated in the tables for those months when a snow cover is likely to exist, but their use is dependent upon the existing snow cover. Within any Clothing Requirement Area of Western Europe, any particular year may be snow-free or nearly snow-free except for the mountain peaks.

TABLE 3: Average Number of Days per Year with Snow Cover by Requirement Areas

<u>AREA</u>	<u>AREA</u>
II-A) Insignificant	III-5 5 to 10 at higher levels
II-B) Insignificant	IV-A 1 to 5 on coast
III-A) 5 or less	2 to 25 interior and higher levels
III-B) 5 or less	IV-1 1,500 ft.- 25
III-C 19	3,000 ft.- 65 to 70
III-D 5 or less	4,000 ft.- 100
III-1 Below 6,000 ft.- insignificant	IV-2 2,000 ft.- 60 to 70
Above 6,000 ft.- 20 or more	Summits - 80
III-2 Below 3,500 ft.- 28	VI-A 25 to 40
Above 3,500 ft.- 100	VI-1 2,000 ft.- 40 to 55
III-3 2,000 ft.- 20	4,000 ft.- 100 to 125
4,000 ft.- 100	6,000 ft.- 150 to 180
6,000 ft.- 170	8,000 ft.- 240
8,000 ft.- 240	VI-2 1,500 ft.- 50
III-4 2,000 ft.- 60 to 70	2,500 ft.- 100
Summits - 80	Summits - 160 to 180

In general, there is little or no requirement for the snow camouflage clothing in Spain, Portugal, the Azores, and southern France, except at the upper levels of mountainous terrain. In the Low Countries and in central and northern France, overwhites may be needed from 2 to 5 winter months. In the mountains of western France, the period lengthens with increasing elevation until at the uppermost elevations the snow camouflage uniform may be required in all seasons except summer.

(2) Wet ground. Swamp and marsh conditions exist all year in many of the river valleys and river deltas. For these areas Shoepacs are desirable. Almost everywhere, the ground is moist enough in winter to make Shoepacs preferable to any other footgear. Exceptions are the high Alps and Pyrenees, where the ground is frozen and snow-covered, and the Mediterranean coast of Spain and the Azores, where temperatures are high enough (above 50°F) to minimize danger from wet-cold surface conditions.

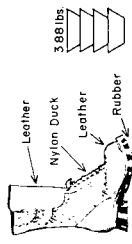

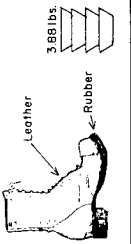

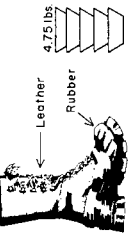
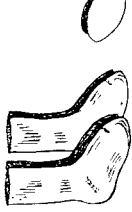
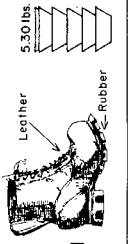
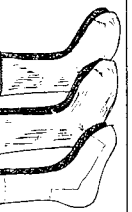
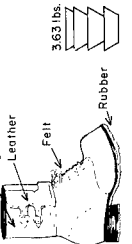

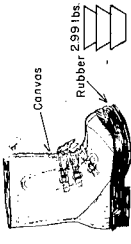
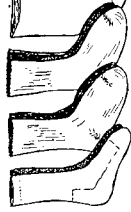
c. Insects. Anti-insect equipment is recommended for all of Western Europe except the upper levels of mountain areas. Insect pests include the mosquito, sandfly, and housefly. Their period of activity is confined to four or five summer months in the northeast of the region (VI-A), lengthens southward to 6 or 8 months in Mediterranean France and interior Spain (III-A and III-C), and persists all or most of the year in the Azores Islands, the southern coasts of Portugal and Spain, and the Balearic Islands (II-A and II-B).

(1) Mosquitoes. Mosquitoes in particular may become a problem not only because of their irritating habits, but because certain species carry malaria. In all densely populated districts, anti-mosquito measures have greatly reduced their numbers, and drainage of much low-lying marsh, especially in France and the Netherlands, serves as an effective control. In the dry lands of interior and southern Spain, breeding places are rare, though marshes, mountain streams, irrigated lands, and ponded waters provide local conditions conducive to infestation. Above 3,000 feet in mountain areas, the mosquito nuisance is less acute. The distribution of mosquitoes, then, either because of controls or natural restrictions, is irregular, and anti-insect equipment should be available for use where needed.

Malaria has been reported in all parts of the region but is of special significance only in two widely separated districts: the Netherlands and Iberia.

In the Netherlands, "house-malaria" is a special winter problem. With the approach of cold weather, the malaria mosquito enters houses or other heated buildings where it feeds on humans. By February or March, malaria incidence is at its peak. Though winter is generally considered the inactive season for insects, special anti-insect protection may be necessary in the Netherlands because of the malaria hazard.

U.S. ARMY COMBAT FOOTGEAR

ITEM	SOCKGEAR	FUNCTION	SURFACE	RANGE OF ACTUAL AIR TEMPERATURES FOR SATISFACTORY USE (Ground Surface temperatures may be as much as 40°F warmer or colder)	T/A 21 ZONES
BOOT, COMBAT, TROPICAL 	 1 pr. socks, wool, cushion sole 1 pr. insoles, ventilating Total: 0.29 lbs.	Provides Traction Permits sweat evaporation & ventilation Quick drying	Forests, jungles & grasslands under tropic & semitropic conditions	-55 to -40, -22, -4, +14, +32, +50, +68, +86, +104, +122	I, II, III, IV, V, VI, VII Mandatory Discretionary
BOOT, SERVICE, COMBAT, RUSSET 	 1 pr. socks, wool, cushion sole Total: 0.19 lbs.	General use	Generally dry surfaces under temperate conditions	-55 to -40, -22, -4, +14, +32, +50, +68, +86, +104, +122	I, II, III, IV, V, VI, VII Mandatory Discretionary
SHOEPAC, M-1944 12 in. 	 2 pr. socks, wool, ski 1 pr. insoles, felt Total: 0.86 lbs.	Provides traction Waterproof Skis & Snowshoes	Wet & water-logged surfaces under wet-cold conditions	-55 to -40, -22, -4, +14, +32, +50, +68, +86, +104, +122	I, II, III, IV, V, VI, VII Mandatory Discretionary
BOOT, SKI - MOUNTAIN 	 1 pr. socks, wool, cushion sole 2 pr. socks, wool, ski 1 pr. insoles, felt Total: 1.05 lbs.	Abrasion protection Supports foot & ankle Provides traction Skis & Snowshoes	Rugged mountain or snow-covered surfaces <i>For special troops only</i>	-55 to -40, -22, -4, +14, +32, +50, +68, +86, +104, +122	I, II, III, IV, V, VI, VII Mandatory Discretionary
BOOT, ARCTIC, FELT 	 1 pr. socks, wool, cushion sole 2 pr. socks, wool, ski 1 pr. insoles, felt Total: 1.05 lbs.	Permits sweat evaporation Supports foot & ankle Cuff excludes snow Skis & Snowshoes	Dry snow & bare ground under arctic conditions	-55 to -40, -22, -4, +14, +32, +50, +68, +86, +104, +122	I, II, III, IV, V, VI, VII Mandatory Discretionary
BOOT, MUKLUK 	 1 pr. socks, wool, cushion sole 2 pr. socks, wool, ski 1 pr. socks, felt 2 pr. insoles, felt Total: 2.04 lbs.	Flexible sole permits self-warming of foot Canvas permits sweat evaporation Calf-length excludes snow Skis & Snowshoes	Dry snow & bare ground under arctic conditions	-55 to -40, -22, -4, +14, +32, +50, +68, +86, +104, +122	I, II, III, IV, V, VI, VII Mandatory Discretionary

In Iberia, malaria is considered the greatest problem among diseases of military importance. It often is epidemic along the coasts of Portugal and southern Spain, and along the major river valleys such as those of the Douro in northeast Portugal and the Ebro in northeastern Spain. Malaria outbreaks are most common in summer, especially late summer.

(2) Sandflies. Sandflies have been reported throughout the region and are especially numerous along the Mediterranean coasts of Spain and France, where they are associated with outbreaks of sandfly fever. Sandflies are night biters and are especially active on warm humid summer nights. Their small size enables them to penetrate ordinary screen wire and bed net material.

3. CLOTHING SUMMARY.

Clothing needs for Western Europe are shown in detail, item by item and month by month, in the Clothing Requirements tables at the end of this Almanac. For convenience, they may be summarized into three groups, each suitable for wear in areas where the average monthly temperatures are generally between certain values:

WARM Weather Clothing, above 68°F
COOL Weather Clothing, between 50° and 68°F
COLD Weather Clothing, between 14° and 50°F

For each Clothing Requirement Area, as shown on the two maps in the back of the Almanac, the months during which each of these groups of clothing items are suitable for wear are indicated in Table 4. The clothing items making up each group (Tables 5, 6, and 7) are primarily those suitable for simultaneous wear (except as indicated) by troops of Class A, B, and C units (T/A 21 Mbl, part I, par. 2b). These units habitually operate in the forward active combat zone, or in the service area of the combat zone, where housing usually is not provided, and their troops must have clothing suitable for 24-hour living outdoors. In addition, Tables 5, 6, and 7 indicate possible deletions or substitutions of items for use by troops of Class D and E units, whose normal working and living conditions, at airfields and other permanent or semi-permanent installations where housing is provided, are not as rigorous.

Certain items, such as belts and suspenders, which are not listed in the Clothing Requirements tables, are shown in the summary tables. In addition, the summaries indicate the recommended minimum numbers of each item for each class of troops; consequently, glove-liners and socks are

TABLE 4: CLOTHING REQUIREMENTS SUMMARY FOR WESTERN EUROPE
 (Areas shown on maps in back; clothing items composing
 Warm, Cool, and Cold groups listed in following tables)

AREA (Feet)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
II-A - - - -			COOL				WARM				COOL	
II-B - - - -		COOL					WARM				COOL	
III-A - - - -	COLD			COOL			WARM			COOL		COLD
III-B - - - -	COLD			COOL			WARM			COOL		COLD
III-C - - - -		COLD			COOL		WARM		COOL			COLD
III-D - - - -		COLD			COOL		WARM		COOL			COLD
III-1 below 3,000	COLD			COOL			WARM			COOL		COLD
3,000-6,000		COLD			COOL		WARM		COOL			COLD
above 6,000			COLD				COOL					COLD
III-2 below 3,500		COLD			COOL		WARM		COOL			COLD
above 3,500			COLD				COOL					COLD
III-3 below 2,000		COLD					COOL					COLD
2,000-5,000		COLD					COOL					COLD
5,000-8,000			COLD				COOL					COLD
above 8,000						COLD						
III-4 below 2,500		COLD					COOL					COLD
above 2,500			COLD				COOL					COLD
III-5 below 2,500		COLD			COOL		WARM			COOL		COLD
above 2,500			COLD				COOL					COLD
IV-A - - - -		COLD					COOL					COLD
IV-B - - - -		COLD					COOL					COLD
IV-1 below 2,500		COLD					COOL					COLD
above 2,500			COLD				COOL					COLD
VI-A		COLD					COOL					COLD
VI-1 below 3,000		COLD					COOL					COLD
3,000-6,000			COLD				COOL					COLD
6,000-9,000			COLD				COOL					COLD
above 9,000						COLD						
VI-2 below 2,500		COLD					COOL					COLD
VI-2 above 2,500			COLD				COOL					COLD

TABLE 5: Cold Weather Clothing for Western Europe
(Average Monthly Temperatures 14° to 50°F)

<u>CLASS A, B, AND C TROOPS</u>	<u>WEAR</u>	<u>SPARE</u>
Undershirt and Drawers, winter	1	1
Shirt, flannel, od	1	1
Trousers, field, wool, od	1	1
Trousers, field, cotton, od	1	1
Suspenders, trousers	1	
Sweater, high neck	1	
Jacket, field, w/hood, jacket and overcoat	1	
Jacket, field, pile, od (at temperatures below 32°F)	1	
Poncho, lightweight, od	1	
Parka and Trousers, field, overwhite (in snowy areas)	1	
Cap, field, cotton, od, w/visor	1	
Cap, field, pile, od (at temperatures below 32°F)	1	
Helmet, steel, complete	1	
Muffler, wool, od (at temperatures below 32°F)	1	
Glove-inserts, wool	1	1
Glove-shells, leather	1	
Mitten-inserts, trigger finger (at temperatures below 32°F)	1	1
Mitten-shells, trigger finger (at temperatures below 32°F)	1	
Mittens, overwhite (in snowy areas)	1	
Socks, wool, ski	2	4
Insoles, felt	1	1
Shoepacs, 12-inch	1	
Bag, sleeping, mountain	1	
Case, water repellent, bag, sleeping	1	

CLASS D AND E TROOPS

Essentially the same as for A, B, and C Troops. The following substitutions or additions may be made:

Jacket, wool, od	ILO Sweater, high neck
Overcoat, wool, od	1
Raincoat	ILO Poncho
Jacket and Trousers, herringbone twill	1
Belt, waist, web, od, w/buckle (with trousers, herringbone twill)	1
Socks, wool, cushion sole	ILO Socks, ski & Insoles
Boots, service, combat, russet	ILO Shoepacs
Overshoes, Arctic (with Boots, service)	1
Blanket, wool, od	ILO Bag, Sleeping, and case

ILO indicates In Lieu Of

TABLE 6: Cool Weather Clothing for Western Europe
(Average Monthly Temperatures 50° to 68°F)

<u>CLASS A, B, AND C TROOPS</u>	<u>WEAR</u>	<u>SPARE</u>
Undershirt and Drawers, cotton, od	1	2
Shirt, flannel, od	1	1
Trousers, field, wool, od	1	
Trousers, field, cotton, od	1	
Belt, waist, web	1	
Suspenders, trousers	1	
Sweater, high neck	1	
Jacket, field, w/hood, jacket and overcoat	1	
Poncho, lightweight	1	
Cap, field, cotton, od, w/visor OR herringbone twill	1	
Helmet, steel, complete	1	
Glove-inserts, wool	1	1
Glove-shells, leather	1	
Socks, wool, cushion sole	1	2
Boots, service, combat, russet (except in wet-cold conditions)	1	1
Socks, wool, ski (with Shoepacs)	2	4
Insoles, felt (with Shoepacs)	1	1
Shoepacs, 12-inch (in wet-cold areas)	1	
Blanket, wool, od (Zone II)	1	1
Bag, sleeping, wool (except Zone II)	1	
Case, water repellent, bag, sleeping (except Zone II)	1	
Anti-insect items	1	

CLASS D AND E TROOPS

Essentially the same as for A, B, and C Troops. The following substitutions or additions may be made:

Jacket and Trousers, herringbone twill	1
Jacket, wool	ILO Sweater, high neck
Raincoat	ILO Poncho
Blanket, wool, od	ILO Bag, sleeping, wool, and case

TABLE 7: Warm Weather Clothing for Western Europe
(Average Monthly Temperature Above 68°F)

<u>CLASS A, B, AND C TROOPS</u>	<u>WEAR</u>	<u>SPARE</u>
Undershirt and Drawers, cotton	1	2
Shirt, knit, od	1	
Jacket and Trousers, lightweight, OR herringbone twill	1	1
Belt, waist, web	1	
Poncho, lightweight, od	1	
Cap, herringbone twill	1	
Helmet, steel, complete	1	
Socks, wool, cushion sole	1	2
Boots, service, combat, russet	1	
Blanket, wool, od	1	
Anti-insect items	1	

CLASS D AND E TROOPS

Essentially the same as for A, B, and C Troops. The following substitutions or additions may be made:

Jacket, field	ILO Shirt, knit, od
Shirt and Trousers, cotton, khaki	1
Raincoat	ILO Poncho
Shoes, service	ILO Boots, combat

listed separately from the gloves or footgear with which they are worn (and with which they are listed in the Clothing Requirements tables), so that the number of spares can be shown.

The generalizations of Tables 4, 5, 6, and 7 are convenient for preliminary planning, but for detailed estimates of clothing requirements, the more precise listings of the Clothing Requirements tables should be used. In establishing the requirements as shown in these tables, the normal variations in conditions from year to year have been considered. Nevertheless, the lengths of the seasons may vary so much in certain unusual years that some items may be required for longer or shorter periods than indicated. Since an attempt is made to show clothing needs for troops engaged in most types of activities, the Clothing Requirements tables sometimes indicate need at the same time for items that are not meant to be worn simultaneously. Duplicate items may also be indicated where conditions vary so much locally that no single item will be entirely satisfactory throughout the Area.

Certain Cold Weather clothing items provide the "wet-cold" protection referred to previously. Shoepacs are expressly for use on wet or water-logged ground and are not meant to replace the combat boot entirely (Fig. 3). The field jacket and cotton field trousers, when worn as outer-most garments, usually give adequate protection from moisture, wind, and cold. The poncho or raincoat is usually required during periods of precipitation. Of the jackets listed under Cold Weather clothing, the pile jacket is strictly for out-of-doors wear, under the field jacket, while the wool jacket may be worn alone out-of-doors, on warm days, and for regular garrison wear.

In all mountainous areas, specialized mountaineering equipment and clothing are normally necessary, in addition to the clothing listed. At 6,000 feet and above in the Alps (Area VI-I) and at 8,000 feet and above in the Pyrenees (Area III-3), there is a winter need for Parka-liner, pile, & Parka-shell, cotton, od, and Mittens, Arctic, in addition to other Cold Weather clothing.

Because of the different authorizations for Zones II and III in T/A 21, Jacket & Trousers, herringbone twill are used in Zone III and Jacket & Trousers, lightweight in Zone II. Likewise, Cap, herringbone twill is used in Zones II and III and Cap, field, cotton, od, w/visor in Zones IV and VI.

4. SUPPLEMENTARY ARMY PUBLICATIONS.

Information concerning the construction, function, manner of wear, and approved methods of care of each item of clothing may be found in one or more of the following Army publications.

a. FM 70-10: Mountain Operations (December 1944). Chapter 1, General Considerations; Chapter 4, Conditioning and Acclimatization; Chapter 6, Weather; and Chapter 7, Winter Characteristics, discuss the relationship between the soldier and the mountain environment.

b. FM 31-25: Desert Operations (March 1942). Section I gives general aspects and problems of desert environment. Section II gives general consideration of the food, clothing, and individual equipment needs.

c. FM 21-15: Individual Clothing and Equipment (April 1945). Emphasis is placed on the care of clothing and equipment and methods of assembling and packing.

d. TM 10-228: Fitting of Shoes and Socks (February 1946). The importance of proper shoe fitting methods, foot measuring equipment and procedure, sock fitting and size correlation, and size data for boots and shoes including approved sock combinations, are the more important sections of this manual.

e. TM 10-275: Principles of Cold Weather Clothing and Equipment (October 1944). The proper use, care, and maintenance of cold weather clothing and equipment are discussed for the principal items protecting the body, the feet, the hands, and the head. The principles of insulation on the layer basis, proper fitting and sizing of clothing, the importance of clean, dry clothing, and the relationships between body activity and clothing amounts are emphasized. Specifications are furnished as to the actual temperatures when certain outer protective items of clothing and equipment are to be worn.

f. FM 70-15: Operations in Snow and Extreme Cold (November 1944). Chapter 3, Clothing, is a generalization of TM 10-275; Chapter 5, Snow Shoes; Chapter 6, Skiing; and Chapter 9, Equipment, are of special interest.

5. OTHER CLOTHING ALMANACS.

Clothing Almanacs for regions adjoining Western Europe are:

- No. 8 - Northwest Africa, 1950
- No. 9 - Northern Europe (Scandinavia, Finland, and the Baltic States), 1950
- No. 13 - British Isles
- No. 15 - Central Europe
- No. 17 - Southeast Europe

6. CLOTHING REQUIREMENT TABLES.

The 30 tables of Clothing Requirements for the 17 Areas of Western Europe are arranged according to Clothing Allowance Zones, those for Zone II being followed by those of Zones III and IV, and finally, Zone VI. Within each Zone, the tables for nonmountainous areas come first, in alphabetical order; the mountain area tables follow in numerical order, with the tables for the lowest elevations of each area coming first, then for upper levels in ascending order.

Areas to which each table applies are shown on the folding maps in the back. For best use of the tables, especially as regards selection from them of clothing items best suited to the individual location and year, the preceding text should be consulted.

CLOTHING REQUIREMENTS

WESTERN EUROPE II - A

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY CLOTHING												
Jacket, field, w/hood, jacket & overcoat.												
* Jacket, wool, od.												
Jacket & Trousers, lightweight special.												
Poncho, lightweight, od.												
* Raincoat												
Shirt & Trousers, cotton, khaki.												
* Shirt, flannel, od, & Trousers, field, wool, od												
* Shirt, knit, od.												
* Sweater, high neck												
* Trousers, field, cotton, od												
* Undershirt & Drawers, winter.												
FOOTGEAR												
* Boots, combat, tropical; w/l pr. socks, wool, cushion sole; l pr. insoles, ventilating												
* Boots, knee wader.												
Boots, service, combat, russet, OR Shoes, service; w/l pr. socks, wool, cushion sole												
HANDGEAR												
None												
HEADGEAR												
Cap, herringbone twill												
* Helmet, sun												
SLEEPING EQUIPMENT												
* Blanket, lightweight.												
Blanket, wool, od.												
OTHER ITEM												
Anti-insect (See Introduction).												

Item usually required in this month
 * Item usually required in indicated months, but must be procured specially because "discretionary" in this zone.

II 5/25/50

CLOTHING REQUIREMENTS

WESTERN EUROPE II - B

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY CLOTHING												
Jacket, field, w/hood, jacket & overcoat.												
* Jacket, wool, od												
Jacket & Trousers, lightweight special.												
Poncho, lightweight, od.												
* Raincoat												
Shirt & Trousers, cotton, khaki.												
* Shirt, flannel, od, & Trousers, field, wool, od												
* Shirt, knit, od.												
* Sweater, high neck												
* Trousers, field, cotton, od												
* Undershirt & Drawers, winter.												
FOOTGEAR												
* Boots, combat, tropical; w/l pr. socks, wool, cushion sole; 1 pr. insoles, ventilating												
* Boots, knee wader.												
Boots, service, combat, russet, OR Shoes, service; w/l pr. socks, wool, cushion sole												
HANDGEAR												
None												
HEADGEAR												
Cap, herringbone twill												
* Helmet, sun												
SLEEPING EQUIPMENT												
* Blanket, lightweight.												
Blanket, wool, od.												
OTHER ITEM												
Anti-insect (See Introduction).												

11 5/25/50

- Item usually required in this month
- * Item usually required in indicated months, but must be procured specially because "discretionary" in this zone.

CLOTHING REQUIREMENTS

WESTERN EUROPE III - D

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
BODY CLOTHING													
Jacket, field, w/hood, jacket & overcoat						█							
Jacket, wool, od.						█							
Jacket & Trousers, herringbone twill						█							
Overcoat, wool, od.						█							
* Parka & Trousers, field, overwhite						█							
* Parka & Trousers, wet weather						█							
Poncho, lightweight, od.						█							
* Raincoat						█							
Shirt & Trousers, cotton, khaki						█							
Shirt, flannel, od, & Trousers, field, wool, od						█							
* Shirt, knit, od						█							
Sweater, high neck.						█							
Trousers, field, cotton, od						█							
Undershirt & Drawers, winter.						█							
FOOTGEAR													
* Boots, combat, tropical; w/lpr. socks, wool, cushion sole; lpr. insoles, ventilating						█							
* Boots, knee wader						█							
Boots, service, combat, russet, OR Shoes, service; w/lpr. socks, wool, cushion sole.						█							
* Shoepacs, 12 in., w/2 pr. socks, cushion sole; lpr. insoles, felt.						█							
HANDGEAR													
Glove-shells, leather, w/2 pr. inserts, wool						█							
* Mittens, overwhite						█							
HEADGEAR													
Cap, field, cotton, od, w/visor						█							
* Cap, herringbone twill						█							
* Helmet, sun						█							
* Muffler, wool, od						█							
SLEEPING EQUIPMENT													
* Bag, sleeping, mountain						█							
* Bag, sleeping, wool						█							
* Blanket, wool, od						█							
* Case, water repellent, bag, sleeping						█							
OTHER ITEMS													
* Anti-insect (See Introduction)						█							

Item usually required in this month
 * Item usually required in indicated months, but must be procured specially because "discretionary" in this zone

III 5/25/50

CLOTHING REQUIREMENTS

WESTERN EUROPE III - 1 (below 3,000 ft.)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY CLOTHING												
Jacket, field, w/hood, jacket & overcoat												
Jacket, wool, od												
Jacket & Trousers, herringbone twill												
Overcoat, wool, od												
* Parka & Trousers, field, overwhite												
* Parka & Trousers, wet weather												
Poncho, lightweight, od												
* Raincoat												
Shirt & Trousers, cotton, khaki												
Shirt, flannel, od, & Trousers, field, wool, od												
* Shirt, knit, od												
Sweater, high neck												
Trousers, field, cotton, od												
Undershirt & Drawers, winter												
FOOTGEAR												
* Boots, combat, tropical; w/lpr. socks, wool, cushion sole; 1 pr. insoles, ventilating												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service; w/lpr. socks, wool, cushion sole												
* Shoe-pacs, 12 in., w/2 pr. socks, cushion sole; 1 pr. insoles, felt												
HANDGEAR												
Glove-shells, leather, w/2 pr. inserts, wool												
* Mittens, overwhite												
HEADGEAR												
Cap, field, cotton, od, w/visor												
* Cap, herringbone twill												
* Helmet, sun												
* Muffler, wool, od												
SLEEPING EQUIPMENT												
* Bag, sleeping, mountain												
* Bag, sleeping, wool												
* Blanket, wool, od												
* Case, water repellent, bag, sleeping												
OTHER ITEMS												
* Anti-insect (See Introduction)												

Item usually required in this month
 * Item usually required in indicated months, but must be procured specially because "discretionary" in this zone

III 5/25/50

CLOTHING REQUIREMENTS

WESTERN EUROPE III - 1 (3,000 - 6,000 ft.)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY CLOTHING												
Jacket, field, w/hood, jacket & overcoat												
Jacket, wool, od												
Jacket & Trousers, herringbone twill												
Overcoat, wool, od												
* Parka & Trousers, field, overwhite												
* Parka & Trousers, wet weather												
Poncho, lightweight, od												
* Raincoat												
Shirt & Trousers, cotton, khaki												
Shirt, flannel, od, & Trousers, field, wool, od												
* Shirt, knit, od												
Sweater, high neck												
Trousers, field, cotton, od												
Undershirt & Drawers, winter												
FOOTGEAR												
* Boots, combat, tropical; w/lpr. socks, wool, cushion sole; lpr. insoles, ventilating												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service; w/lpr. socks, wool, cushion sole												
* Shoebags, 12 in., w/2 pr. socks, cushion sole; lpr. insoles, felt												
HANDGEAR												
Glove-shells, leather, w/2 pr. inserts, wool												
* Mittens, overwhite												
HEADGEAR												
Cap, field, cotton, od, w/visor												
* Cap, herringbone twill												
* Helmet, sun												
* Muffler, wool, od												
SLEEPING EQUIPMENT												
* Bag, sleeping, mountain												
* Bag, sleeping, wool												
* Blanket, wool, od												
* Case, water repellent, bag, sleeping												
OTHER ITEMS												
* Anti-insect (See Introduction)												

III 5/25/50

- Item usually required in this month
- * Item usually required in indicated months, but must be procured specially because "discretionary" in this zone

CLOTHING REQUIREMENTS

WESTERN EUROPE III - 2 (below 3,500 ft.)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY CLOTHING												
Jacket, field, w/hood, jacket & overcoat												
Jacket, wool, od												
Jacket & Trousers, herringbone twill												
Overcoat, wool, od												
* Parka & Trousers, field, overwhite												
* Parka & Trousers, wet weather												
Poncho, lightweight, od												
* Raincoat												
Shirt & Trousers, cotton, khaki												
Shirt, flannel, od, & Trousers, field, wool, od												
* Shirt, knit, od												
Sweater, high neck												
Trousers, field, cotton, od												
Undershirt & Drawers, winter												
FOOTGEAR												
* Boots, combat, tropical; w/lpr. socks, wool, cushion sole; lpr. insoles, ventilating												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service; w/lpr. socks, wool, cushion sole												
* Shoepacs, 12 in., w/2 pr. socks, cushion sole; lpr. insoles, felt												
HANDGEAR												
Glove-shells, leather, w/2 pr. inserts, wool												
* Mittens, overwhite												
HEADGEAR												
Cap, field, cotton, od, w/visor												
* Cap, herringbone twill												
* Helmet, sun												
* Muffler, wool, od												
SLEEPING EQUIPMENT												
* Bag, sleeping, mountain												
* Bag, sleeping, wool												
* Blanket, wool, od												
* Case, water repellent, bag, sleeping												
OTHER ITEMS												
* Anti-insect (See Introduction)												

Item usually required in this month
 * Item usually required in indicated months, but must be procured specially because "discretionary" in this zone

III 5/25/50

CLOTHING REQUIREMENTS

WESTERN EUROPE III - 3 (5,000 - 8,000 ft.)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY CLOTHING												
Jacket, field, w/hood, jacket & overcoat	—————											
* Jacket, field, pile, od.	—————											
Jacket, wool, od	—————											
Jacket & Trousers, herringbone twill.	—————											
Overcoat, wool, od	—————											
* Parka-liner, pile & Parka-shell, cotton, od OR Overcoat, parka type, w/pile liner.	—————											
* Parka & Trousers, field, overwhite	—————											
* Parka & Trousers, wet weather	—————											
Poncho, lightweight, od	—————											
* Raincoat	—————											
* Shirt & Trousers, cotton, khaki.	—————											
Shirt, flannel, od, & Trousers, field, wool, od	—————											
Sweater, high neck	—————											
Trousers, field, cotton, od	—————											
Undershirt & Drawers, winter.	—————											
FOOTGEAR												
* Boots, Arctic, felt, w/1pr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. insoles, felt, OR Boots, mukluk, w/1 pr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. socks, felt; 2 pr. insoles, felt	—————											
* Boots, knee wader	—————											
Boots, service, combat, russet, OR Shoes, service; w/1 pr. socks, wool, cushion sole	—————											
* Sheepacs, 12 in., w/2 pr. socks, wool, ski; 1 pr. insoles, felt	—————											
HANDGEAR												
Glove-shells, leather, w/2 pr. inserts, wool.	—————											
* Mitten-shells, w/2 pr. inserts, trigger finger.	—————											
* Mittens, Arctic, w/2 pr. inserts, trigger-finger	—————											
* Mittens, overwhite	—————											
HEADGEAR												
Cap, field, cotton, od, w/visor.	—————											
* Cap, field, pile, od, MQ-1	—————											
* Mask, cheek protector, Arctic	—————											
Muffler, wool, od	—————											
SLEEPING EQUIPMENT												
* Bag, sleeping, mountain	—————											
* Bag, sleeping, wool	—————											
* Blanket, wool, od	—————											
* Case, water repellent, bag, sleeping.	—————											
OTHER ITEMS												
* Anti-insect (See Introduction).	—————											

VI 5/25/50

- Item usually required in this month
- * Item usually required in indicated months, but must be procured specially because "discretionary" in this zone

CLOTHING REQUIREMENTS

WESTERN EUROPE III - 5 (below 2,500 ft.)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY CLOTHING												
Jacket, field, w/hood, jacket & overcoat												
Jacket, wool, od.												
Jacket & Trousers, herringbone twill.												
Overcoat, wool, od.												
* Parka & Trousers, field, overwhite												
* Parka & Trousers, wet weather.												
Poncho, lightweight, od.												
* Raincoat.												
Shirt & Trousers, cotton, khaki.												
Shirt, flannel, od, & Trousers, field, wool, od.												
* Shirt, knit, od.												
Sweater, high neck.												
Trousers, field, cotton, od.												
Undershirt & Drawers, winter.												
FOOTGEAR												
* Boots, combat, tropical; w/1pr. socks, wool, cushion sole; 1pr. insoles, ventilating												
* Boots, knee wader.												
Boots, service, combat, russet, OR Shoes, service; w/1pr. socks, wool, cushion sole.												
* Shoe-pacs, 12 in., w/2 pr. socks, cushion sole; 1 pr. insoles, felt.												
HANDGEAR												
Glove-shells, leather, w/2 pr. inserts, wool.												
* Mittens, overwhite												
HEADGEAR												
Cap, field, cotton, od, w/visor.												
* Cap, herringbone twill.												
* Helmet, sun.												
* Muffler, wool, od.												
SLEEPING EQUIPMENT												
* Bag, sleeping, mountain.												
* Bag, sleeping, wool.												
* Blanket, wool, od.												
* Case, water repellent, bag, sleeping.												
OTHER ITEMS												
* Anti-insect (See Introduction).												

III 5/25/50

— Item usually required in this month

* Item usually required in indicated months, but must be procured specially because "discretionary" in this zone

CLOTHING REQUIREMENTS

WESTERN EUROPE IV - 1 (below 2,500 ft.)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY CLOTHING												
Jacket, field, w/hood, jacket & overcoat.												
Jacket, wool, od.												
Jacket & Trousers, herringbone twill												
Overcoat, wool, od.												
* Parka & Trousers, field, overwhite												
* Parka & Trousers, wet weather												
Poncho, lightweight, od.												
* Raincoat.												
* Shirt & Trousers, cotton, khaki												
Shirt, flannel, od, & Trousers, field, wool, od.												
Sweater, high neck												
Trousers, field, cotton, od												
Undershirt & Drawers, winter.												
FOOTGEAR												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service; w/1pr. socks, wool, cushion sole												
* Shoepacs, 12 in., w/2 pr. socks, wool, ski; 1 pr. insoles, felt.												
HANDGEAR												
Glove - shells, leather, w/2 pr. inserts, wool.												
* Mittens, overwhite												
HEADGEAR												
Cap, field, cotton, od, w/visor												
* Cap, herringbone twill												
* Muffler, wool, od												
SLEEPING EQUIPMENT												
* Bag, sleeping, mountain.												
* Bag, sleeping, wool.												
* Blanket, wool, od.												
* Case, water repellent, bag, sleeping.												
OTHER ITEMS												
* Anti - insect (See Introduction).												

IV 5/25/50

- Item usually required in this month
- * Item usually required in indicated months, but must be procured specially because "discretionary" in this zone

CLOTHING REQUIREMENTS

WESTERN EUROPE IV - 1 (above 2,500 ft.)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY CLOTHING												
Jacket, field, w/hood, jacket & overcoat	—————											
* Jacket, field, pile, od.	—————											
Jacket, wool, od	—————											
Jacket & Trousers, herringbone twill.	—————											
Overcoat, wool, od	—————											
* Parka - liner, pile & Parka-shell, cotton, od OR Overcoat, parka type, w/pile liner.	—————											
* Parka & Trousers, field, overwhite	—————											
* Parka & Trousers, wet weather	—————											
Poncho, lightweight, od	—————											
* Raincoat	—————											
* Shirt & Trousers, cotton, khaki.	—————											
Shirt, flannel, od, & Trousers, field, wool, od	—————											
Sweater, high neck	—————											
Trousers, field, cotton, od	—————											
Undershirt & Drawers, winter.	—————											
FOOTGEAR												
* Boots, Arctic, felt, w/1pr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. insoles, felt, OR Boots, mukluk, w/1 pr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. socks, felt; 2 pr. insoles, felt	—————											
* Boots, knee wader	—————											
Boots, service, combat, russet, OR Shoes, service; w/1 pr. socks, wool, cushion sole	—————											
* Shoe-pacs, 12 in., w/2 pr. socks, wool, ski; 1 pr. insoles, felt	—————											
HANDGEAR												
Glove - shells, leather, w/2 pr. inserts, wool.	—————											
* Mitten - shells, w/2 pr. inserts, trigger finger.	—————											
* Mittens, Arctic, w/2 pr. inserts, trigger-finger.	—————											
* Mittens, overwhite	—————											
HEADGEAR												
Cap, field, cotton, od, w/visor.	—————											
* Cap, field, pile, od, MQ-1	—————											
* Mask, cheek protector, Arctic	—————											
Muffler, wool, od.	—————											
SLEEPING EQUIPMENT												
* Bag, sleeping, mountain	—————											
* Bag, sleeping, wool	—————											
* Blanket, wool, od	—————											
* Case, water repellent, bag, sleeping.	—————											
OTHER ITEMS												
* Anti-insect (See Introduction).	—————											

VI 5/25/50

- Item usually required in this month
- * Item usually required in indicated months, but must be procured specially because "discretionary" in this zone

CLOTHING REQUIREMENTS

WESTERN EUROPE VI - A

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY CLOTHING												
Jacket, field, w/hood, jacket & overcoat	—————											
* Jacket, field, pile, od	—————											
Jacket, wool, od	—————											
Jacket & Trousers, herringbone twill	—————											
Overcoat, wool, od	—————											
* Parka - liner, pile & Parka-shell, cotton, od OR Overcoat, parka type, w/pile liner.	—————											
* Parka & Trousers, field, overwhite	—————											
* Parka & Trousers, wet weather	—————											
Poncho, lightweight, od	—————											
* Raincoat	—————											
* Shirt & Trousers, cotton, khaki	—————											
Shirt, flannel, od, & Trousers, field, wool, od	—————											
Sweater, high neck	—————											
Trousers, field, cotton, od	—————											
Undershirt & Drawers, winter.	—————											
FOOTGEAR												
* Boots, Arctic, felt, w/1 pr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. insoles, felt, OR Boots, mukluk, w/1 pr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. socks, felt; 2 pr. insoles, felt	—————											
* Boots, knee wader	—————											
Boots, service, combat, russet, OR Shoes, service; w/1 pr. socks, wool, cushion sole	—————											
* Sheepacs, 12 in., w/2 pr. socks, wool, ski; 1 pr. insoles, felt	—————											
HANDGEAR												
Glove - shells, leather, w/2 pr. inserts, wool.	—————											
* Mitten - shells, w/2 pr. inserts, trigger finger.	—————											
* Mittens, Arctic, w/2 pr. inserts, trigger-finger.	—————											
* Mittens, overwhite	—————											
HEADGEAR												
Cap, field, cotton, od, w/visor.	—————											
* Cap, field, pile, od, MQ-1	—————											
* Mask, cheek protector, Arctic	—————											
Muffler, wool, od	—————											
SLEEPING EQUIPMENT												
* Bag, sleeping, mountain	—————											
* Bag, sleeping, wool	—————											
* Blanket, wool, od	—————											
* Case, water repellent, bag, sleeping.	—————											
OTHER ITEMS												
* Anti-insect (See Introduction).	—————											

VI 5/25/50

- Item usually required in this month
- * Item usually required in indicated months, but must be procured specially because "discretionary" in this zone

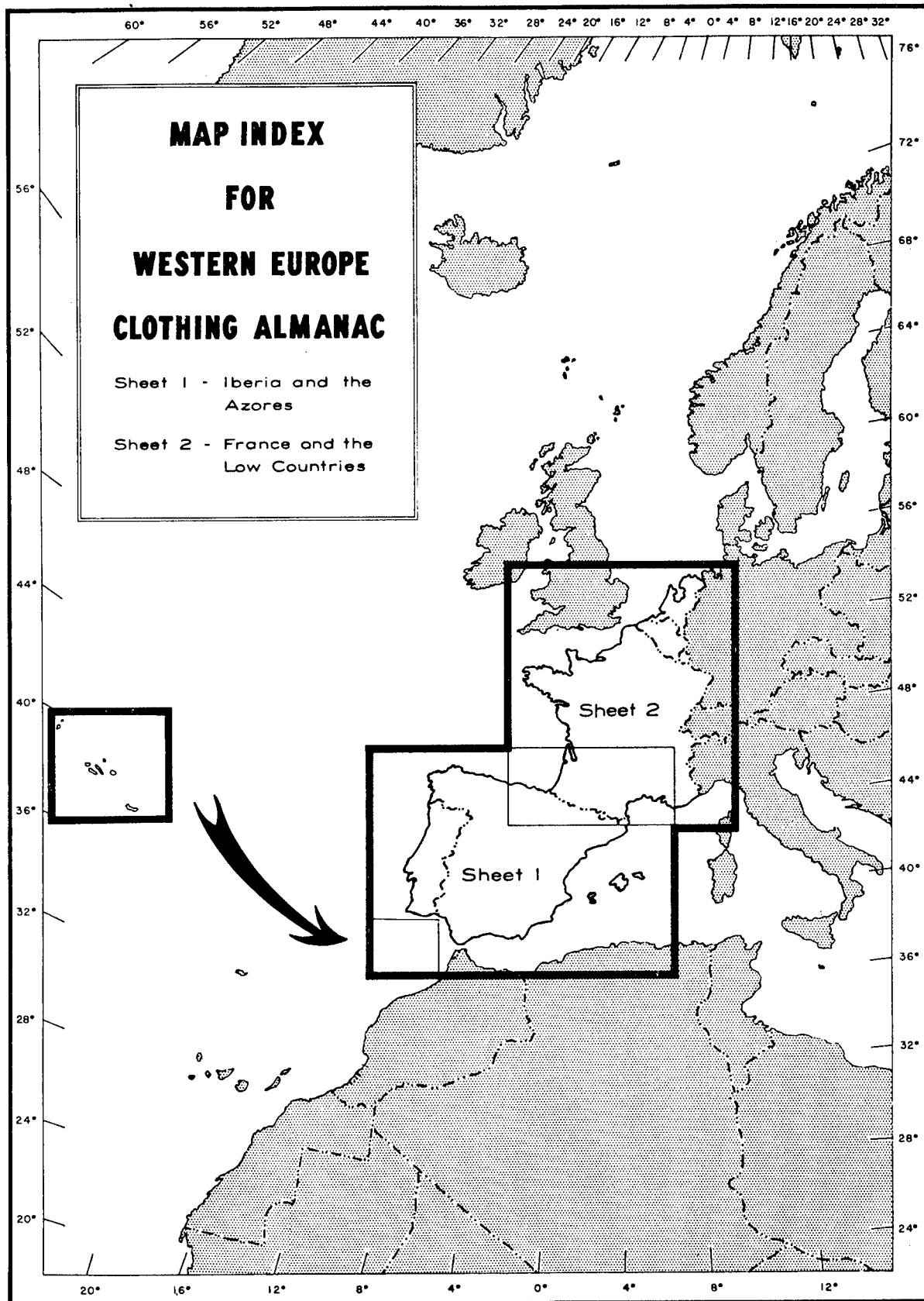
CLOTHING REQUIREMENTS

WESTERN EUROPE VI - 1 (above 9,000 ft.)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY CLOTHING												
Jacket, field, w/hood, jacket & overcoat												
* Jacket, field, pile, od												
Jacket, wool, od												
Jacket & Trousers, herringbone twill												
Overcoat, wool, od												
* Parka - liner, pile & Parka-shell, cotton, od OR Overcoat, parka type, w/pile liner.												
* Parka & Trousers, field, overwhite												
* Parka & Trousers, wet weather												
Poncho, lightweight, od												
* Raincoat												
* Shirt & Trousers, cotton, khaki												
Shirt, flannel, od, & Trousers, field, wool, od												
Sweater, high neck												
Trousers, field, cotton, od												
Undershirt & Drawers, winter.												
FOOTGEAR												
* Boots, Arctic, felt, w/1pr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. insoles, felt, OR Boots, mukluk, w/1 pr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. socks, felt; 2 pr. insoles, felt												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service; w/1 pr. socks, wool, cushion sole												
* Shoe-pacs, 12 in., w/2 pr. socks, wool, ski; 1 pr. insoles, felt												
HANDGEAR												
Glove - shells, leather, w/2 pr. inserts, wool.												
* Mitten - shells, w/2 pr. inserts, trigger finger												
* Mittens, Arctic, w/2 pr. inserts, trigger-finger												
* Mittens, overwhite												
HEADGEAR												
Cap, field, cotton, od, w/visor.												
* Cap, field, pile, od, MQ-1												
* Mask, cheek protector, Arctic												
Muffler, wool, od												
SLEEPING EQUIPMENT												
* Bag, sleeping, mountain												
* Bag, sleeping, wool												
* Blanket, wool, od												
* Case, water repellent, bag, sleeping												
OTHER ITEMS												
* Anti-insect (See Introduction).												

VI 5/25/50

- Item usually required in this month
- * Item usually required in indicated months, but must be procured specially because "discretionary" in this zone



D I S T R I B U T I O N L I S T "B"
(Clothing Almanacs)

ARMY

QUARTERMASTER CORPS

200 Office of The Quartermaster General, Military Planning
Div., Res. & Dev. Br., Research Information Unit
Philadelphia QM Depot, 2800 South 20th St.,
Philadelphia, Pa.

1 General Biological Labs. (Dr. Siu)
4 Technical Library (File 3, Dr. Rainey 1)
1 Jeffersonville QMD, Res. & Dev. Div.
3 QM Food & Container Institute, 1819 W. Pershing Rd.,
Chicago 9, Ill.
QM Center, Ft. Lee, Va.
3 QM Board, President
105 QM School, Commandant
1 QM Technical Training Service Library

GENERAL STAFF, U.S. ARMY

2 Asst. Chief/Staff, G-2: Chief, 1D44, 2845 Main Navy
Asst. Chief/Staff, G-3: The Pentagon

1 Operations Division
1 Organization & Training Division
1 Plans Division

Asst. Chief/Staff, G-4: Res. & Dev. Div., The Pentagon
12 Research Br., Envir. Res. Section
(Drs. Siple & Coman)

ARMY FIELD FORCES

10 Commanding General, Ft. Monroe, Va.
1 Board No. 1, Ft. Bragg, N.C. (Attn: QM)
1 Board No. 2, Ft. Knox, Ky. (Attn: QM)
3 Board No. 3, Ft. Benning, Ga.
(Attn: QM 1)
(Attn: Adjutant-Sec. 1)
(Attn: Col. Detweiler 1)
1 Board No. 4, Ft. Bliss, Tex. (Attn: QM)

2 ARMY LIBRARY, The Pentagon (Librarian 1, Nat. Def. Rev. 1)

1 NATIONAL WAR COLLEGE, Library, Ft. McNair,
Washington 25, D.C.

2 CG, ALASKAN DEPT., APO 942, Seattle, Wash.
(Arctic Cent. Lib. 1, QM 1)

10 COMMANDANT, COMMAND & GEN. STAFF COLLEGE,
Ft. Leavenworth, Kans.

1 COMMANDANT, ARMY WAR COLLEGE, Ft. Leavenworth, Kans.

1 COMMANDANT, U.S. MILITARY ACADEMY, West Point, N.Y.

CHEMICAL CORPS

1 Tech. Command, Army Chemical Center, Md.
(Attn: Prot. Div. Lib.)
1 Met. Div., Camp Detrick, Md.

CORPS OF ENGINEERS

1 Eng. Res. & Dev. Div., T-7, Gravelly Point, Va.
1 Eng. Res. & Dev. Lab., Ft. Belvoir, Va.
(Attn: Dr. L.R. Whiting)
1 SIPRE, St. Paul, Minn.
1 Co-op Snow Investig., Oakland, Cal., Army Base
(Attn: Mr. D. Miller)
1 Missouri River Div., PO Box 1216, Omaha, Neb.
(Attn: Mr. E.W. McCleendon)

1 ORDNANCE DEPARTMENT, Res. & Dev. Div., The Pentagon

SIGNAL CORPS

2 Eng. & Tech. Div., The Pentagon
(SIGGE-M 1, SIGGG-C4 1)
1 Evans Signal Lab., Belmar, N.J.

SURGEON GENERAL

1 Chairman, Res. & Dev. Bd., 2749 Main Navy
1 Army Medical Library, Washington 25, D.C.
1 CO, Medical Field Res. Lab., Ft. Knox, Ky.
(Drs. Daggs & Keller)

1 TRANSPORTATION CORPS, Asst. Chief for Eng. & Dev.,
1833 T-7, Gravelly Pt., Va.

RESEARCH & DEVELOPMENT BOARD, The Pentagon, Wash. 25, D.C.

6 Secretariat, Comm. on Geophys. & Geog.
28 Appropriate Panel

AIR FORCE

5 HQ, USAF, DC/S Mat., Res. & Dev., Pentagon

1 AIR WEATHER SERVICE, Andrews AFB, Washington, D.C.

1 Chief (Attn: Mr. R.D. Stone)
1 Military Climatology (Attn: Dr. Jacobs)

AIR UNIVERSITY

2 Library, Maxwell AFB, Ala. (1 for ADTIC)
1 School of Aviation Medicine, Randolph AFB, Tex.

1 AIR MATERIAL COMMAND, Eng. Fld. Off., 4949 Main Navy,
(Attn: Mr. Butler)

1 ARCTIC AIR MEDICAL LAB., APO 731, Seattle, Washington

NAVY

1 BUREAU OF YARDS & DOCKS, Res. Div., Washington, D.C.
(P-313-B)

1 USN ELECTRONICS LAB., San Diego, Cal. (Liaison Off.)

OFFICE OF NAVAL RESEARCH, Washington 25, D.C.

2 Earth Sci. Div., 2519 T-3 (Geog. 1, Geophys. 1)
1 Navy Res. Sec., Library of Congress
(Attn: Mr. J.H. Heald)

4 BUREAU OF SUPPLIES & ACCOUNTS, Clothing Div., 4048 Ail. Ann.,
Washington 25, D. C.
(Attn: Lt. W.K. Woodard)

HYDROGRAPHIC OFFICE, Washington 25, D.C.

1 Librarian
1 Div. of Oceanography (Attn: Messrs. Allen & Bates)

MARINE CORPS

1 Supply Dept., Gen. Supply Sec., Rm 4136, USMC Wg., Arl.,
Washington, D.C. (Attn: Col. J.F. Stamm)

1 USMC Supply Depot, 1100 S. Broad St., Phila. 46, Pa.
(Attn: Lt. Misura)

CIVILIAN

1 ATOMIC ENERGY COMM., Sandia Lab., Classif. Document Div.,
PO 5800, Albuquerque, N.M.
(Attn: Mr. Dale M. Evans)

2 COMMERCE DEPT., Weather Bureau, Library,
Washington 25, D.C.

1 INTERIOR DEPT., Board on Geog. Names, Wash. 25, D.C.
(Attn: Dr. Burrill)

1 SMITHSONIAN INSTITUTION, Washington 25, D.C.
(Attn: Dr. Kellogg)

1 CENTRAL INTELLIGENCE AGENCY, Map Branch,
Washington 25, D.C.



2 STATE DEPT., Foreign Service Institute, Washington 25, D.C.
(Attn: Dr. Black)

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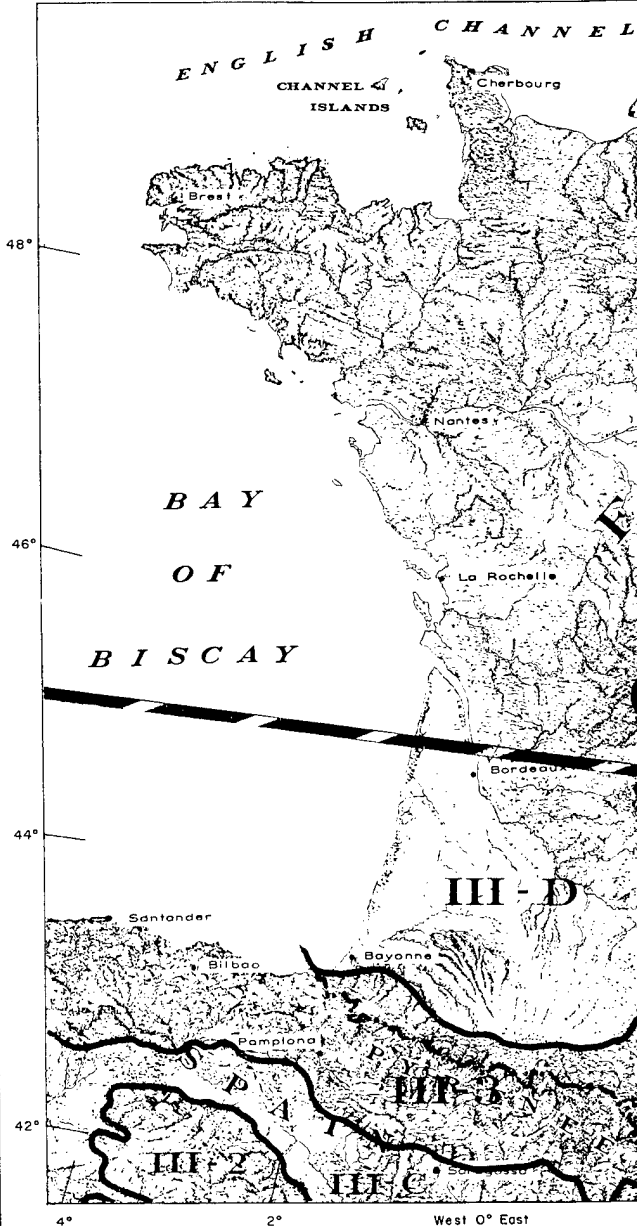
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CLOTHING ALMANAC NO. 14
WESTERN EUROPE - SHEET 2
FRANCE AND THE LOW COUNTRIES
CLOTHING REQUIREMENT AREAS

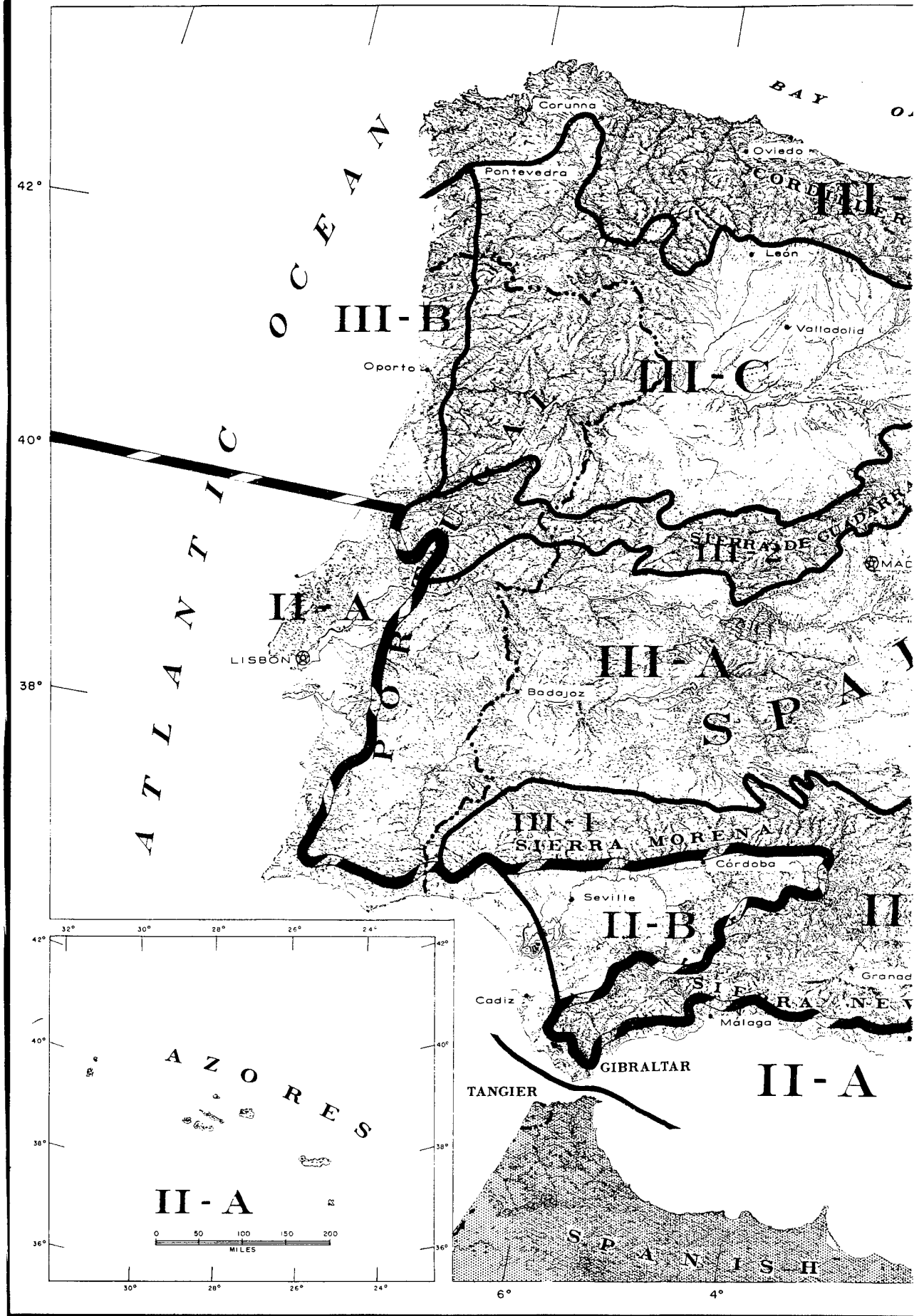
Roman numerals refer to Clothing Allowance Zones
Arabic numbers refer to mountain areas
Letters refer to nonmountain areas

 Clothing Allowance Zones
 Clothing Requirement Areas

Clothing Requirements for each area are found in the corresponding table of the Clothing Almanac



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M - 7113



Based on Physiographic Diagram of Europe

(1.)



CLOTHING ALMANAC NO. 14
 WESTERN EUROPE - SHEET 1
 IBERIA AND THE AZORES
 CLOTHING REQUIREMENT AREAS

Roman numerals refer to Clothing Allowance Zones
 Arabic numbers refer to mountain areas
 Letters refer to nonmountain areas

 Clothing Allowance Zones
 Clothing Requirement Areas

Clothing Requirements for each area are found in the corresponding table of the Clothing Almanac

0 50 100 150 200
 MILES

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