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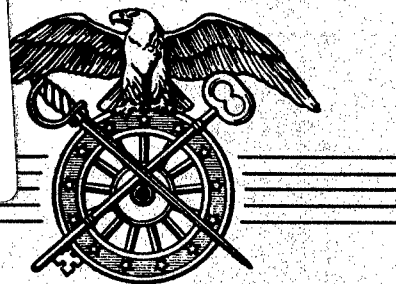
CLOTHING ALMANAC NO. 5

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SOUTHWEST ASIA

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Research and Development Branch
Military Planning Division
Office of The Quartermaster General
July 1951

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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. 5

SOUTHWEST ASIA

(Iran, Iraq, Arabia, Jordan, Palestine,
Israel, Lebanon, Syria, Turkey, and adjacent islands)

Washington, D. C.

July 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 division 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 I. 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.

TABLE I: 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

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., Western Europe, Central Europe, Southwest Asia, etc.), which may 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 Allowance 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., V-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 Southeast Europe V-A are not the same as those in Southwest Asia V-A.

c. Maps. Clothing Requirement Areas of the Region are shown on the maps in the back of the Almanac. Distinctive boundaries separate Clothing Allowance Zones; single-line boundaries separate the individual Clothing Requirement Areas. Each Area is 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.

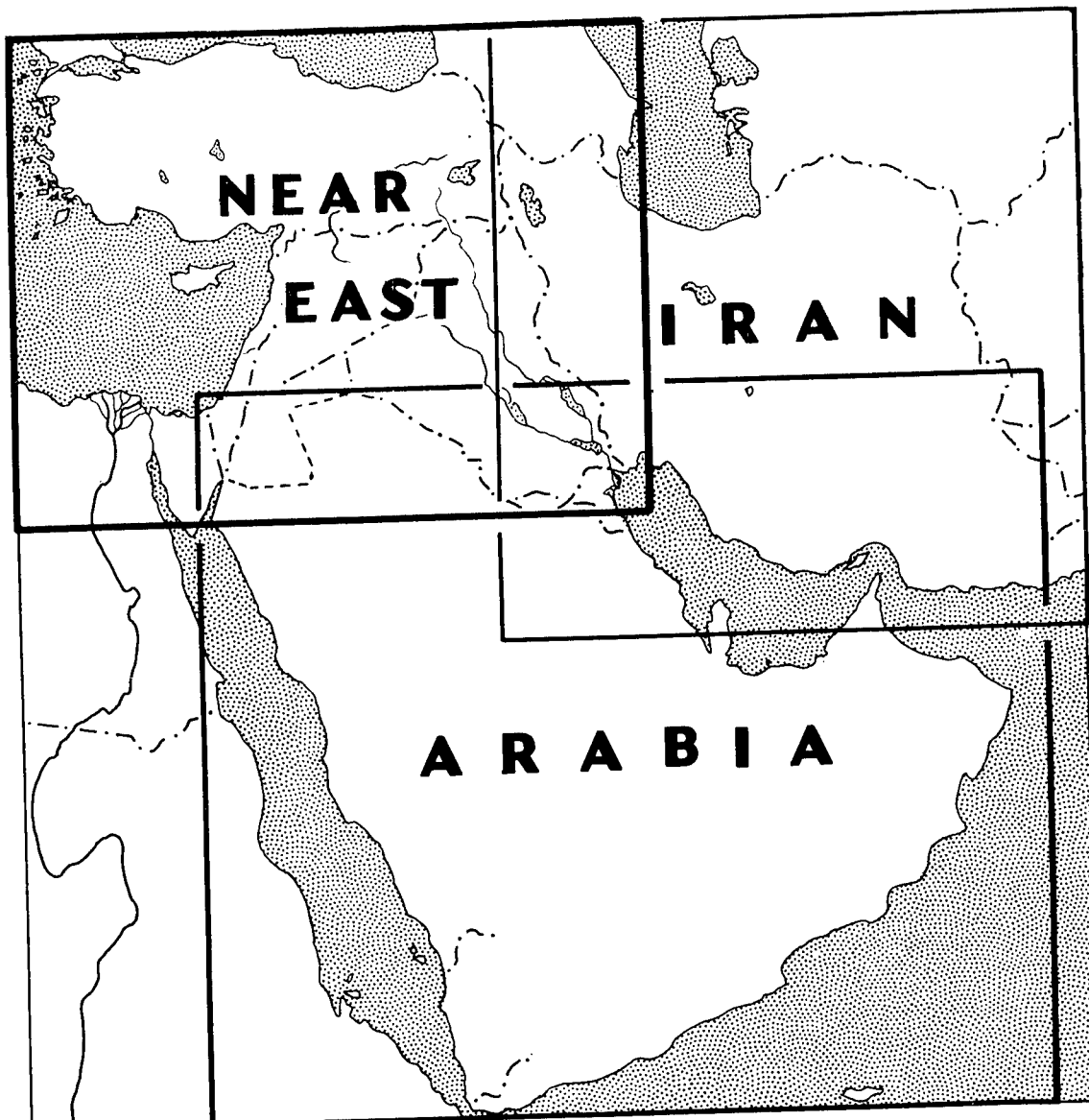
(1) Both discretionary and mandatory items are included in the tables. Discretionary items are indicated by an asterisk (*). In some mountainous areas, a few items are listed in accordance with T/A 21, (Mbl), par. 3e, which provides that "in rugged terrain commanders may, at their discretion, authorize the allowance proper for the next colder zone than that in which the Area falls."

(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 Clothing Requirements tables, but are included in summary 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.



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Fig. 1. Relationship of three physiographic diagrams on which are shown in detail the 15 Clothing Requirement Areas for Southwest Asia. These three maps are folded in at the back of the Almanac. In addition, another fold-in map shows the Areas for the entire Region.

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CLOTHING ALMANAC FOR SOUTHWEST ASIA

1. GENERAL

The Southwest Asia Clothing Almanac shows the needs for military clothing in the region south of the Black and Caspian Seas and west of Afghanistan. The region includes Turkey, Syria, Lebanon, Israel, Palestine, Jordan, Iraq, Iran, the Arabian Peninsula, the Island of Cyprus, and several Greek islands adjacent to Turkey. Although this region is only a corner of Asia, it is almost three-fourths as large as the United States. From south to north it extends approximately 2,000 miles from latitude 12°N to 42°N; from the westernmost point to the eastern border of Iran is approximately 2,500 miles.

Essentially Southwest Asia is a dry land with extensive deserts and pronounced temperature contrasts. It has a wide diversity of landforms, most of which have the typical angular appearance associated with aridity. Southwest Asia is portrayed on three separate landform maps in the back of this Almanac; the area covered by each is shown on the index map (Fig. 1). Each map shows, in red, the Clothing Allowance Zone and Clothing Requirement Area boundaries. In addition, a fourth map is included in the back of the Almanac; on this outline map a similar overlay gives an integrated picture of the Clothing Requirement Areas of the whole region.

Throughout this Almanac reference is made to Clothing Requirement Areas by numerical and letter designations, as explained in the Introduction. There is usually general, but not exact, correlation between Clothing Requirement Areas and the physical divisions discussed in the next section.

2. ENVIRONMENT

Aspects of Southwest Asia's environment which affect requirements for military clothing are discussed under the headings of Terrain, Climate, and Insects.

a. Terrain. To avoid confusion, the terrain of Southwest Asia is considered according to country or groups of countries.

(1) Mediterranean Islands. The island of Cyprus (a British colony) has two east-west mountain ranges. The more extensive southern one contains one peak of more than 6,000 feet; the northern range is narrow and not quite so high. Between the mountains is a broad treeless plain, which extends across the island from Morphou to Famagusta, a distance of 50 miles.

Almost all the other Mediterranean islands included in this Almanac Region belong to Greece. They are hilly or mountainous with relatively

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small plains areas. There is considerable variety in vegetation — some of the islands are cultivated, producing crops typical of the Mediterranean Basin; others are rocky and barren and uninhabited.

(2) Turkey. There are five important physical subdivisions in Turkey. Narrow plains which fringe the coasts of the Mediterranean and Black Seas (Areas III-E and III-F), although not continuous and often limited in extent, include the best agricultural land in Turkey. In the north, the Pontic Mountains (V-1) extend in an east-west direction across most of Turkey with elevations generally between 5,000 and 10,000 feet.

South of the Pontic Mountains the broad, undulating Anatolian Plateau with its playa lakes (V-A) occupies a large part of central Turkey. This plateau has average elevations between 2,500 and 4,000 feet. South of the Anatolian Plateau, also extending in an east-west direction, are the Taurus and Anti-Taurus Mountains with maximum elevations of over 10,000 feet. In eastern Turkey the Pontic and Anti-Taurus Mountains converge into the Armenian Knot (V-1), a complicated group of high mountains which culminate in Mt. Ararat (16,916 feet).

(3) Syria and Lebanon. In western Syria and Lebanon, immediately inland from the narrow, interrupted coastal plain, mountains form an effective barrier between the sea and the interior. The Jebel Ansariye in Syria extends for almost 100 miles from near the Turkish border southward to a point near the Lebanese border. The crest of the mountains is near the eastern side of the range, where steep slopes terminate in a deep depression. The highest elevation in the Ansariye range is over 5,000 feet, and much of the crest is above 4,500 feet. The Lebanon coastal range (Lebanon Mountains) extends from the northern to the southern border of the country, with highest elevations over 10,000 feet. (Fig. 2).

Directly east of the Lebanon and Ansariye ranges is a deep depression, known as El Ghāb in the north and as the Bekaa in the south, through which the Orontes River flows. In the Ghāb, a great expanse of marshy land remains on the site of an ancient lake bed. In the south the Bekaa separates the Lebanon Mountains from the high, rugged, Anti-Lebanon and associated mountains of Hermon and the Kalamun Ridges. The eastern edge of the Ghāb also is bordered by a steep escarpment, but it is comparatively low in elevation. Clothing Requirement Area III-3 includes most of the Jebel Ansariye, the Lebanon, and Anti-Lebanon Mountains, Mt. Hermon, and the higher western parts of the Kalamun Ridges.

East of the high mountains of Syria and Lebanon is a large section of varied topography, predominantly rocky desert or steppe except for the Euphrates Valley and a few fertile oases. In the southern part of Syria, extending across the border into Jordan, are several large areas of angular, partially disintegrated, basaltic outcroppings which may present serious obstacles to movement of vehicles and troops.



Fig. 2: In the Lebanon Mountains many of the lower slopes are utilized to their fullest extent, as evidenced by these terraces in a valley near Beirut. This photo, taken in September, indicates the type of terrain to be found in parts of Lebanon.

(4) Palestine and Israel. The newly-separated countries of Palestine and Israel have complicated boundaries, and for convenience they are considered under the old name of Palestine, under four sub-divisions: the coastal plains, the central hills, the Jordan Valley or Dead Sea Depression, and the desert of Negeb.

The coastal plain is generally quite narrow, but widens in the north into the Plain of Esdraelon which extends almost across the country. East of the plain a series of hills and plateaus extends from north to south through the center of Palestine. These uplands exceed 3,000 feet in places, but average elevations are only about 2,000 feet. The topography varies from rugged hills to relatively undissected plateaus.

To the east, the uplands drop sharply into the deep, faulted Dead Sea Depression, a northward continuation of the African Rift Valley. In this

depression the Jordan River flows southward, emptying into the landlocked Dead Sea, more than 1,200 feet below sea level.

Almost all of the southern half of Palestine, the Negeb, is a barren desert, supporting only a few nomads. The clothing map does not show the divisions of Palestine, since all four are included in Clothing Requirement Area II-B.

(5) Jordan. The western border of Jordan follows the Dead Sea Depression. Near the border, however, the valley wall rises abruptly to a plateau level of about 2,000 feet in the north and more than 4,000 feet in the south. The plateau extends across Jordan into Arabia and Iraq with a gradual downward slope toward the east. Much of the land surface of Jordan is desert or steppe, with lava flows covering large, scattered sections, especially near the Syrian border where the Jebel el Druze extends into Jordan. Other sections of Jordan are sandy, but in the comparatively well-watered western part the land is suitable for limited cultivation.

(6) Iraq. The outstanding physical feature in Iraq is the Mesopotamian Plain, the only extensive lowland in Southwest Asia, through which the Euphrates and Tigris Rivers flow. Although the plain receives little rainfall, agriculture is supported by the water from these streams which, in their lower courses, flow in channels a few feet higher than the surrounding plain.

Western Iraq is an extension of the Syrian Desert, although there is enough moisture in the north to support a meager grass cover. The northeastern part of the country is occupied by the high, dry, mountains of Khurdistan, a large group located mostly in Turkey and Iran.

(7) Iran. Mountains and generally rugged terrain are characteristic of Iran. In the northwest, mountain ranges extend outward from the Armenian Knot. The Elburz Mountains, with one peak (Mt. Demavend) over 18,000 feet, continue eastward just south of the Caspian Sea to form a high barrier between the narrow Caspian lowland and the interior Iranian Plateau. In the west and south of Iran the Zagros and Fars Mountains (III-1) extend from northwest to southeast. Other mountains in the east make the encirclement of interior Iran almost complete. The central plateau (III-A) is divided into a series of basins separated by low ridges. The main feature of the plateau is the Dasht-i-Kavir, a large salt waste formed by the evaporation of an old lake. Narrow coastal plains (II-A and III-B) adjoin the Caspian Sea and the Persian Gulf; at the head of the Persian Gulf, the plain extends inland for perhaps 50 miles and merges into the Mesopotamian Plain.

(8) Arabia. The whole Arabian Peninsula consists essentially of a large plateau, elevated on the western side near the Red Sea to about 5,000 feet, and lowering gradually toward the Persian Gulf in the

east. Along the Red Sea, ranges of mountains (II-1 and III-2) parallel the coast. Other mountain areas are found in Oman near the Arabian Sea and Gulf of Oman.

The surface of Arabia is varied. In the south is the Rub' al Khāli, or "Empty Quarter", a vast expanse of sandy waste. Sandy surfaces also extend in wide strips northward into the interior (Fig. 3). Otherwise the desert surface is composed mostly of angular rocks or rounded pebbles and stones. Some of the rocky areas are the remains of lava flows (Fig. 4). In scattered locations where water is available, settlements have sprung up, the amount of available water largely determining the size of the settlement.

b. Climate. As already indicated, Southwest Asia is dry. Large amounts of precipitation fall regularly only in some mountain areas and at a few places on the Black Sea and Caspian Sea coasts.

In summer a low pressure area forms over the Eurasian land mass, drawing air in from surrounding areas. The resultant general air flow over the southwestern part of Asia is northerly or westerly. Since most of this air has moved considerable distances over land it is dry, bringing little or no moisture to the region. In winter high pressure dominates most of interior Asia resulting in a general outward movement of air. Winter winds over Southwest Asia are also northerly; weak cyclones move from west to east along the Mediterranean into the northern part of Southwest Asia, periodically causing precipitation. A more detailed discussion of the climate of Southwest Asia is presented for each Clothing Allowance Zone in Section 3.

c. Insects. The principal insect problems in Southwest Asia arise from the prevalence of malarial mosquitoes, sandflies, and common houseflies. Except in higher mountain areas, these insects are a potential hazard throughout the region. Even in desert areas, mosquitoes are numerous around oases and in cities and villages. Palestine has taken precautions to reduce the incidence of malaria, but there are still sections with large concentrations of mosquitoes. All of the Army's anti-insect items provide effective protection against mosquitoes, but control measures should be taken to eliminate their breeding places.

The chief protection against sandflies is the Bar, insect, field because these insects are habitually active at night and in the early morning hours. Insect repellent is effective against sandflies, but only for a few hours after each application.

Control of other hazards to health in Southwest Asia depends largely on medical or sanitary measures and alertness, rather than clothing or individual equipment. Among these hazards are louse-borne diseases, rat infestations, scorpions, centipedes and poisonous snakes, all of which are found in abundance throughout the region.



Fig. 3: Even in sandy areas (shown here between Al Kharj and Dhahran in northeastern Arabia) trails can be found or made. Travel across the dunes, however, is extremely difficult.

3. CLOTHING REQUIREMENTS

The following discussion attempts to explain the relationships between the environments of Southwest Asia and the requirements for items of Army clothing. It also gives a more detailed picture of the climate by Clothing Allowance Zones (described in Introduction).

Hot deserts, like those found in Zones I, II, and III in Southwest Asia, impose special types of protection requirements. Some items of equipment not ordinarily used, and instruction in the use of available clothing and equipment, are necessary. Sand, angular rocks, and alkaline surfaces, common to many desert areas (Fig. 4), cause excessive wear on leather footgear.

Intense sunlight, either direct or reflected, and desiccating winds may result in severe sunburn and dry, cracked skin and lips, as well as heat exhaustion or heatstroke. Preparations to keep the lips moist and soft, and precautions to see that the skin is as little exposed as possible, are important. Gloves are necessary for handling objects, especially metal, exposed to the sun for long periods. Such objects, and the desert surface itself, may reach temperatures well above 160°F. Sun glasses should be worn to protect the eyes from excessive glare, and goggles may be necessary during dust or sand storms. At times troops in desert areas may also need dust respirators.

Fig. 4: Sharp rocks on relatively steep slopes are found over much of Southwest Asia, as shown here along the road between Mahad Dahab and Jidda, on the Red Sea coast of Saudi Arabia.



a. Zone I. The Zone I portion of Southwest Asia includes the narrow coastal lowlands of the southern Arabian Peninsula. This plain varies from 10 to 30 miles in width, but in the Hadhramaut bordering the Arabian Sea mountains extend to the coast, leaving only small level sections between some mountain spurs. The coast has a variety of features. Much of it is sandy and rocky with little vegetation. In other places there are swamps, and the coast is lined with mangroves. On the southern coast, extinct volcano craters are distinctive features. In some places deltas have been built up by the few perennial streams that reach the sea.

Generally speaking the climate is hot, humid, and uncomfortable all year. In most of this section temperatures are rarely below 60°F, while the thermometer registers 100°F or more each day during the hot months. Mean monthly temperatures for January and June at Aden are 76° and 90°F, respectively. The July mean at Washington, D. C., of 77°F is comparable to Aden's January mean; the southwestern United States desert region (Phoenix, Ariz.) is comparable to Aden in summer.

Notorious for its damp, enervating heat, this part of Arabia has a high relative humidity at all times except when the wind blows offshore. The average for the year at Aden is about 75 percent. An anomalous situation exists here, however, in that there is very little rainfall in spite of almost constantly high humidities. The resulting environment is one in which extreme conditions of heat stress exist for much of the year.

b. Zone II. The Zone II portion of Southwest Asia includes Palestine and Israel, the southern interior of Arabia, and all the Red Sea and Persian Gulf coasts of Arabia and Iran that are not included in Zone I. There is sufficient diversity of environmental conditions to require three Clothing Requirement Areas, one of which is mountainous.

(1) Area II-1 includes only the highlands of southwestern Arabia. The few observations made here indicate a normal temperature decrease with increased elevation, so that in the higher levels Zone IV temperature conditions prevail. At Sanaa, Yemen, about 8,000 feet above sea level, the mean temperatures are 59° in January, 68° in July. In summer, there is considerable cloudiness and some rain, which prevents excessive heating. In winter, normally somewhat cooler, the land is exposed to the heating effect of direct sunlight through the clear, cloudless atmosphere.

Despite the small change in temperature from month to month, there are large variations from night to day: the average daily temperature variation is probably in excess of 35 F°. Although some of the higher mountain levels receive generous amounts of rainfall in summer and occasional heavy snowstorms in winter, the total amount of precipitation falling in the highlands is small. The Clothing Requirements tables for this Area show monthly needs for three different elevation intervals.

(2) Area II-A includes the Persian Gulf coasts of Arabia and Iran, the northern Red Sea coast of Arabia, and the interior of southern Arabia. From April through October the coasts have conditions very similar to the southern coast of Arabia, with the same humid, enervating heat. During the remainder of the year, however, mean temperatures decrease to about 60°F, and living conditions are more comfortable. The small amounts of precipitation received by these areas fall largely in the cool months.

Unlike the coasts, the interior of southern Arabia is dry and hot, with a large daily variation in temperature. A difference of 50 F° between early morning and late afternoon temperatures is not unusual. These abrupt daily changes are more important to the comfort of the soldier than the gradual transitions between seasons.

The interior of southern Arabia contains one of the largest sand deserts in the world, the lifeless and uninhabited Rub' al Khāli or "Empty Quarter". Sands in the south and southeast form high crescent-shaped dunes, 600 feet high in places. Farther west and to the north, the dunes merge into a hard gravelly surface.

(3) Area II-B (Palestine), despite its small size, has a wide diversity of climate. Three climatic belts, corresponding to terrain regions, may be distinguished. Along the coast the winters are cool and wet, the summers warm and dry. Winter temperatures along the coast

average about 55°F, while summer means are generally in the high 70's. The only summer rainfall along the coast comes in infrequent thunderstorms. Winter is definitely the rainy season, but even then mild, sunny periods of several days alternate with periods of cool, rainy weather.

The coast, with its major extension, the Plain of Esdraelon, is the most important agricultural part of Palestine. Temperatures are pleasant nearly all the time. Some discomfort is caused by dust, which is especially irritating during late summer afternoon breezes.

The central highland belt of Palestine is about 25 miles wide in the north, widening to about 40 miles in the south. Much of it lies between 1,000 and 3,000 feet in elevation, and it is deeply dissected in parts. This section is cooler and wetter than the remainder of Palestine. Mean winter temperatures are approximately 50°F, and summer means are about 70°F. As on the coast, winter is the rainy season; rainfall is frequent and heavy, but there are sunny and cool periods lasting several days. Heavy snowfalls, with drifts 10 to 12 feet deep, have been known in central Palestine, sometimes cutting off movement between Hebron and Jerusalem. Such situations are unusual, however, and overwhite camouflage clothing is not recommended.

The third belt in Palestine is the deep, steep-sided Jordan Valley. Although winter temperatures are pleasant in this depression, summer temperatures are almost unbearable. For several months during the summer the temperature may be expected to go above 100°F every day at Jericho, and temperatures above 110°F have been recorded at all stations in the valley. Rainfall in the Jordan Valley is scanty. In the south the annual amount is less than five inches, and in the north seldom more than ten inches.

Although the topographic belts in Palestine extend from north to south, the widespread aridity south of Gaza and Beersheba has imposed a uniformity of its own. The air that moves into this part of Palestine from the west comes across the arid Sahara with little opportunity to acquire moisture. Southern Palestine, or the desert of Negeb, about half of Palestine, is a barren waste.

One climatic feature, characteristic of all of Palestine and many other parts of Southwest Asia, is the prevalence of hot, dry, southerly winds during summer. These siroccos, also known by several local names, are especially frequent in May, June, and September, and may last for several days.

c. Zone III. Included in the Zone III portion of Southwest Asia are Syria, Lebanon, Jordan, Iraq, northern Arabia, coastal Turkey, the Greek islands and Cyprus, and most of Iran. The Clothing Requirement Areas are grouped in three distinct categories: coasts, interior deserts, and mountains.

(1) Coastal Areas are relatively small, yet important. They include Areas III-B, III-E, and III-F. The generalized line marking off the coastal areas of necessity shows them to be continuous (Near East and Iran maps), but in Syria, Lebanon, and Turkey the plain actually is interrupted by mountain spurs that reach the sea. Mean monthly temperatures along the coast vary from about 45°F in January to 77°F in July or August. In winter, cold winds from the interior sometimes cause freezing temperatures at all places along the coast; an absolute minimum of 12°F has been recorded at Izmir (III-F).

Precipitation varies in amount and distribution from place to place, with the greatest amount usually in early winter; summer is the driest part of the year. Snow is not uncommon, but along the coasts the amount of snow on the ground is seldom great enough to warrant the use of over-white clothing.

(2) Desert Areas occupy most of Syria, Iraq, Jordan, Iran, and northern Arabia. In addition to the remarks concerning deserts in general, some special features merit consideration.

Area III-A includes many of the basins of interior drainage of Iran. Although all of central Iran is dry, some water drains from the high mountains that encircle the interior plateaus. As the water evaporates from the collecting basins, salt-encrusted mud beds remain. These barren kavirs are impassable for vehicles and are dangerous for men and animals. They are bounded by solid sand or rocky surfaces which support little vegetation. Summers are almost unbearable in most of the interior basins because of the extreme heat and aridity, the blowing dust, sand, and salt crystals.

Area III-C is, except for the northeastern part, a sandy and rocky continuation of the Arabian Desert. It is somewhat colder in winter than Area II-A to the south, but otherwise climatically similar. In the northeast part of III-C is the Mesopotamian Plain, containing the extensively cultivated lower valley and delta of the Euphrates and Tigris Rivers. In spring and early summer, heavy floods create marshes on river flats, and some sections remain wet all year, so that Boots, knee wader may be useful for part of the year. Southeastern Iraq, like other areas surrounding the Persian Gulf, has extremely uncomfortable conditions in summer because of heat and high humidity.

Area III-D has a shorter summer and a longer and colder winter than the other Zone III desert areas. Mean summer temperatures are as high as in the area farther south; at Kirkuk, for example, the July mean is 96°F. Winter temperatures, however, are considerably lower than those to the south. Clothing that will provide adequate protection for occasional very low temperatures (0°F or below) should be available in winter.

U.S. ARMY COMBAT FOOTGEAR

ITEM	WEIGHT PER PAIR	SOCKGEAR	FUNCTION	SURFACE	RANGE OF ACTUAL AIR TEMPERATURES FOR SATISFACTORY USE <i>(Ground Surface Temperatures May Be as Much as 40° Warmer or Colder)</i>	T/A 2 I ZONES
BOOT, COMBAT, TROPICAL	3.88 lbs 	 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	58 - -40 - -22 - -4 - +14 - +32 - +50 - +68 - +86 - +104 - +122	I II III IV V VI VII Mandatory Discretionary
BOOT, SERVICE, COMBAT, RUSSET	3.88 lbs 	 1 pr. socks, wool, cushion sole Total: 0.19 lbs.	General use	Generally dry surfaces under temperate conditions	58 - -40 - -22 - -4 - +14 - +32 - +50 - +68 - +86 - +104 - +122	I II III IV V VI VII
BOOT, COMBAT, RUBBER, INSULATED	5.50 lbs 	 <i>THIS ITEM STANDARDIZED 27 JUNE 1951 TO REPLACE SHOEPAC, 12-INCH, M-1944 WHICH BECAME SUBSTITUTE STANDARD</i> 1 pr. socks, wool, cushion sole Total: 0.19 lbs.	Provides traction Waterproof Skis & Snowshoes	Wet & water-logged surfaces under wet-cold conditions	-49 - -31 - -13 - +5 - +23 - +41 - +59 - +77 - +95 - +113	I II III IV V VI VII
BOOT, SKI-MOUNTAIN	5.30 lbs 	 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>	58 - -40 - -22 - -4 - +14 - +32 - +50 - +68 - +86 - +104 - +122	I II III IV V VI VII
BOOT, ARCTIC, FELT	3.63 lbs 	 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	-49 - -31 - -13 - +5 - +23 - +41 - +59 - +77 - +95 - +113	I II III IV V VI VII
BOOT, MUKLUK	2.99 lbs 	 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	58 - -40 - -22 - -4 - +14 - +32 - +50 - +68 - +86 - +104 - +122	I II III IV V VI VII

C-7033 (2b)

Fig. 5

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(3) Mountain Areas of Zone III in Southwest Asia are located in Arabia, Syria and Lebanon, and Iran. In winter, cold air may drain into enclosed valleys and make them colder than surrounding mountain slopes. These and other complexities of mountain climates make advisable a wide variety of clothing items.

Most of the mountains in Zone III are located in arid sections of the region and, consequently, are barren and rocky. The major exception is Clothing Requirement Area III-3 (the mountains of Syria and Lebanon) which receives large amounts of rainfall, mostly in winter. The exposed slopes of these mountains are, or were, forested. (The famed Cedars of Lebanon are today only a remnant of the original forests.)

Inasmuch as operations at the highest mountain levels usually require specially trained troops and specialized clothing and equipment, clothing items for these levels are not listed in the Clothing Almanac. In Southwest Asia the highest levels ordinarily should not be problems in the movement of troops and supplies since established communications routes circumvent mountains or cross them at lower points.

d. Zone V. The only parts of Clothing Allowance Zone V in Southwest Asia are the highlands of Turkey and northern Iran. Area V-A, the Anatolian Plateau, is semi-arid, warm in summer and cold in winter. On the plateau the mean temperature for the coldest month (January) is usually near 30°F, while that for the warmest month (July) is above 70°F. In the rugged Turkish and Iranian mountains (V-1), temperatures are lower. Some of the higher peaks in Turkey and in the Elburz Mountains of Iran are continuously snow-capped.

Cold and wet ground conditions in Zone V require the use of Shoepacs at least part of the time during several months each year. In the higher mountains, away from regularly traveled routes, the only suitable footgear usually will be Boots, ski-mountain, a special item not listed in the tables (Fig. 5). Because considerable amounts of snow may fall in interior Turkey during winter, overwhite clothing should be available for several months.

4. CLOTHING SUMMARY

Clothing needs for Southwest Asia 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 in three groups, each suitable for wear in areas where the average monthly temperatures are generally between certain values:

- WARM AND HOT 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 four 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 II. The clothing items making up each group (Tables III, IV, V) are 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 III, IV, and V 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 semipermanent installations where housing is provided, are not as rigorous.

The summary indicates the recommended minimum numbers of each item for each class of troops; consequently, glove-inserts and socks are 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 II, III, IV, and V 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 may 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.

5. SUPPLEMENTARY ARMY PUBLICATIONS

Information concerning the construction, function, manner of wear, approved methods of care of items of clothing, and clothing needs in adjacent regions may be found in one or more of the following publications:

a. 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 and dry clothing, and the relationship 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.

TABLE II: Clothing Requirements Summary for Southwest Asia
 (Areas are defined on three maps in back of Almanac; items of WARM, COOL, and COLD weather clothing listed in Tables III, IV, and V)

AREA (Feet)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
I-A							WARM					
II-A		COOL						WARM				COOL
II-B		COOL						WARM				COOL
II-1 below 4,500 4,500-8,000 above 8,000		COOL						WARM				COOL
		COLD						COOL				COLD
								COLD				
III-A		COLD		COOL			WARM			COOL		COLD
III-B		COLD		COOL			WARM			COOL		COLD
III-C	COLD	COOL					WARM					COOL
III-D		COLD		COOL			WARM			COOL		COLD
III-E		COOL					WARM					COOL
III-F		COLD		COOL			WARM			COOL		COLD
III-1 3,000-6,000 6,000-9,000 above 9,000		COLD		COOL			WARM			COOL		COLD
		COLD					COOL					COLD
			COLD				COOL					COLD
III-2 below 5,000 5,000-8,000 above 8,000		COOL					WARM					COOL
		COLD		COOL			WARM			COOL		COLD
		COLD					COOL					COLD
III-3 below 3,500 3,500-6,500 above 6,500		COLD		COOL			WARM			COOL		COLD
		COLD					COOL					COLD
			COLD				COOL					COLD
V-A		COLD			COOL		WARM		COOL			COLD
V-1 below 4,500 4,500-7,000 7,000-10,000		COLD			COOL		WARM		COOL			COLD
		COLD					COOL					COLD
			COLD				COOL					COLD

TABLE III: WARM Weather Clothing for Southwest Asia
(Average Monthly Temperatures Above 68°F)

<u>CLASS A, B, & C TROOPS</u>	<u>WEAR</u>	<u>SPARE</u>
Undershirt & Drawers, cotton, od	1	2
Shirt, knit, od	1	-
Jacket & Trousers, lightweight or herringbone twill	1	1
Belt, waist, web	1	-
Poncho, lightweight, od	1	-
Cap, herringbone twill	1	-
Helmet, steel	1	-
Socks, wool, cushion sole	1	2
Boots, service, combat, russet	1	1
Blanket, wool, od	1	-
Anti-insect items	1	-
 <u>CLASS D & E TROOPS</u>		
Essentially the same as for A, B, & C. The following substitutions or additions may be made:		
Raincoat in lieu of Poncho	1	-
Shirt & Trousers, cotton, khaki	1	2
Jacket, field in lieu of Shirt, knit	1	-

TABLE IV: COOL Weather Clothing for Southwest Asia
(Average Monthly Temperatures 50° to 68°F)

<u>CLASS A, B, & C TROOPS</u>	<u>WEAR</u>	<u>SPARE</u>
Undershirt & Drawers, cotton, od	1	2
Shirt, flannel, od	1	1
Trousers, field, cotton, od	1	-
Suspenders, trousers	1	-
Sweater, high neck	1	-
Jacket, field	1	-
Poncho, lightweight	1	-
Cap, field, cotton, od, w/visor	1	-
Helmet, steel	1	-
Glove-inserts, wool	1	1
Glove-shells, leather	1	-
Socks, wool, cushion sole	1	2
Boots, service, combat, russet	1	1
Boots, knee wader (in wet areas only)	1	-
Bag, sleeping, wool	1	-
Case, water repellent, bag, sleeping	1	-
 <u>CLASS D & E TROOPS</u>		
Essentially the same as for A, B, & C. The following substitutions or additions may be made:		
Jacket, wool, od in lieu of Sweater, high neck	1	-
Raincoat in lieu of Poncho	1	-
Blanket, wool, od in lieu of Bag, sleeping, wool & case	2	-
Cap, herringbone twill	1	-
Belt, waist, web (with Trousers, herringbone twill)	1	-
Jacket & Trousers, herringbone twill	1	1

TABLE V: COLD Weather Clothing for Southwest Asia
(Average Monthly Temperatures 14° to 50°F)

<u>CLASS A, B, & C TROOPS</u>	<u>WEAR</u>	<u>SPARE</u>
Undershirt & Drawers, cotton, od	1	2
Undershirt & Drawers, winter	1	2
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, pile, od	1	-
Jacket, field	1	-
Poncho, lightweight	1	-
Parka & Trousers, field, overwhite (in snowy areas only)	1	-
Muffler, wool, od	1	-
Cap, field, cotton, od, w/visor	1	-
Hood, jacket and overcoat	1	-
Helmet, steel	1	-
Mitten-inserts, trigger-finger	1	1
Mitten-shells, trigger-finger	1	-
Mittens, overwhite (in snowy areas only)	1	-
Socks, wool, ski	2	2
Insoles, felt	1	1
Shoepacs, 12-inch	1	-
Bag, sleeping, mountain	1	-
Case, water repellent, bag, sleeping	1	-

CLASS D & E TROOPS

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

Trousers, wool, serge in lieu of Trousers, field, wool, od	1	1
Belt, waist, web, od, w/buckle (with Trousers, wool, serge)	1	-
Jacket, wool, od in lieu of Sweater, high neck	1	-
Overcoat, field in lieu of Jacket, field, pile	1	-
Cap, field, pile, od in lieu of Cap, field, cotton	1	-
Boots, service, combat, russet in lieu of Shoepacs	1	-
Overshoes, Arctic (with Boots, service, combat, russet)	1	-
Socks, wool, cushion sole (with Boots) . in lieu of Socks, wool, ski	1	2
Blankets, wool, od in lieu of Bag, sleeping, mountain w/case	2	1

b. FM 70-10: Mountain Operations (September 1947). 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.

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

d. 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.

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

f. Clothing Almanacs for regions adjacent to Southwest Asia are:

- No. 3 Northeast Africa
- No. 6 Western U.S.S.R.
- No. 16 South Central Asia
- No. 17 Southeast Europe

6. CLOTHING REQUIREMENTS TABLES

The 25 Clothing Requirements tables for the 15 Areas of Southwest Asia are arranged according to Clothing Allowance Zones. Within each Zone, tables for nonmountainous Areas come first, in alphabetical order; the mountain Area tables follow in numerical order, with the tables for the lowest elevation of each area coming first, then for upper levels in ascending order. Areas to which Clothing Requirements tables apply are shown on the four folding maps in back of the Almanac. The outline map shows Clothing Requirement Areas for the whole region, while each of the sectional physiographic maps shows Areas for their respective sections.

All listings in the Clothing Requirements tables, as well as the summary tables, are those authorized by T/A 21 (Mbl) at the time of preparation of this Almanac. Within a few months, however, several of these items gradually will be replaced in supply lines by items recently standardized. The following list indicates some applicable replacements (S means Standard; L, Limited Standard; B, Substitute Standard):

Items in Clothing Almanac

Replacement Items

Shirt, flannel, od (B))	Shirt, field, wool (S)
Sweater, high neck (B))	
Jacket, field (L))	Jacket, field, w/o liner, (S)
w/hood, jacket and overcoat (S) .)	w/hood, jacket and overcoat (S)
Jacket, field, pile, od (B))	(Liner, jacket, field, frieze (S))*
	(Liner, jacket, field, wool (B))*
Trousers, field, cotton, od (L))	Trousers, field, cotton, M-1950 (S)
Parka & Trousers, field, overwhite (L) .	Parka & Trousers, field, overwhite, M-1950 (S)
Mittens, overwhite (L))	Mittens, overwhite, M-1950 (S)
Overcoat, wool, od (B))	Overcoat, cotton, od 7, w/removable wool liner (S)
Parka-liner, pile & Parka-shell, : : : :	(Parka-shell, M-1951 (S)
cotton, od (L)	(Parka-liner, M-1951 (S)
	(Hood, Parka, M-1951 (S)
Shoepacs, 12-in. (B) w/2 pr. socks, . . .	Boots, combat, rubber, insulated, w/1 pr. socks, wool, cushion sole (S)
wool, ski; 1 pr. insoles, felt	

* Either jacket liner can be used with Jacket, field, w/o liner (S), or with the Jacket, field, M-1950 (L), but neither can be used with Jacket, field, M-1943 (L).

CLOTHING REQUIREMENTS

SOUTHWEST ASIA I-A

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY CLOTHING												
* Jacket, field, w/hood, jacket & overcoat												
Jacket & Trousers, lightweight special												
Poncho, lightweight, od												
* Raincoat												
Shirt & Trousers, cotton, khaki												
Shirt, knit, od												
FOOTGEAR												
Boots, combat, tropical; w/1 pr. socks, wool, cushion sole; 1 pr. insoles, ventilating												
* Boots, service, combat, russet, OR Shoes, service; w/1 pr. socks, wool, cushion sole												
HANDGEAR												
None												
HEADGEAR												
Cap, herringbone twill												
* Helmet, sun												
SLEEPING EQUIPMENT												
Blanket, lightweight												
Blanket, wool, od												
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.

5/25/50

CLOTHING REQUIREMENTS

SOUTHWEST ASIA 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/1 pr. socks, wool, cushion sole; 1 pr. insoles, ventilating												
* Boots, knee wader.												
Boots, service, combat, russet, OR Shoes, service; w/1 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

SOUTHWEST ASIA 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/1 pr. socks, wool, cushion sole; 1 pr. insoles, ventilating	█											
* Boots, knee wader.	█											█
Boots, service, combat, russet, OR Shoes, service; w/1 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

SOUTHWEST ASIA II-1 (below 4,500 ft.)

BODY CLOTHING

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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/1 pr. socks, wool, cushion sole; 1 pr. insoles, ventilating												
* Boots, knee wader.												
Boots, service, combat, russet, OR Shoes, service; w/1 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

SOUTHWEST ASIA II-1 (4,500-8,000 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/1pr. socks, wool, cushion sole; 1pr. insoles, ventilating												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service; w/1pr. socks, wool, cushion sole.												
HANDGEAR												
Glove-shells, leather, w/2pr. 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

SOUTHWEST ASIA II-1 (above 8,000 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												
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

SOUTHWEST ASIA III-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, 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, 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												
* 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 5/21/50

CLOTHING REQUIREMENTS

SOUTHWEST ASIA III-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, herringbone twill												
Jacket & Trousers, lightweight special												
* Overcoat, wool, od												
* 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												
* Shoe-pacs, 12 in., w/2 pr. socks, wool, ski; 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

SOUTHWEST ASIA III - C

	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												
Jacket & Trousers, lightweight special												
* 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												
* Shoe-pacs, 12 in., w/2 pr. socks, wool, ski; 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

SOUTHWEST ASIA 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												
* Jacket & Trousers, lightweight special												
Overcoat, wool, od												
* 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												
* Shoe-pacs, 12 in., w/2 pr. socks, wool, ski; 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

SOUTHWEST ASIA III-E

	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, wool, ski; 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

SOUTHWEST ASIA III-F

	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, wool,ski; 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

SOUTHWEST ASIA 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												
* Shoepacs, 12 in., w/2 pr. socks, wool, ski; 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

SOUTHWEST ASIA III-1 (6,000-9,000 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												
* Shoe-pacs, 12 in., w/2 pr. socks, wool, ski; l 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

SOUTHWEST ASIA III-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;												
2pr. socks, wool, ski; 1pr. insoles, felt, OR Boots,												
mukluk, w/1pr. socks, wool, cushion sole; 2pr.												
socks, wool, ski; 1pr. socks, felt; 2pr. insoles, felt												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service;												
w/1pr. socks, wool, cushion sole												
* Shoepacs, 12 in., w/2pr. socks, wool, ski;												
1pr. insoles, felt												
HANDGEAR												
Glove-shells, leather, w/2pr. inserts, wool												
* Mitten-shells, w/2pr. inserts, trigger-finger.												
* Mittens, Arctic, w/2pr. inserts, trigger-finger.												
* Mittens, overwhite.												
HEADGEAR												
Cap, field, cotton, od, w/visor.												
* Cap, field, pile, od, MQ-1.												
* Cap, herringbone twill												
* Mask, cheek protector, Arctic												
* Muffler, wool, od												
SLEEPING EQUIPMENT												
* Bag, sleeping, Arctic.												
* Bag, sleeping, mountain												
* Bag, sleeping, wool												
* Blanket, wool, od.												
* Case, water repellent, bag, sleeping												
OTHER ITEMS												
* Anti-insect (See Introduction)												

V 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

SOUTHWEST ASIA III-2 (below 5,000 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/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, 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.												
* 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

SOUTHWEST ASIA III-2 (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, 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/1 pr. socks, wool, cushion sole; 1 pr. insoles, ventilating												
* 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												
* 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 5/25/60

CLOTHING REQUIREMENTS

SOUTHWEST ASIA III-2 (above 8,000 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.												
* Shoepacs, 12 in., w/2 pr. socks, wool, ski; 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

SOUTHWEST ASIA III-3 (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; 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, 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												
* 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

SOUTHWEST ASIA III-3 (3,500-6,500 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; 2pr. socks, wool, ski; 1pr. insoles, felt, OR Boots, mukluk, w/1pr. socks, wool, cushion sole; 2pr. socks, wool, ski; 1pr. socks, felt; 2pr. insoles, felt												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service; w/1pr. socks, wool, cushion sole												
* Shoe-pacs, 12 in., w/2pr. socks, wool, ski; 1pr. insoles, felt												
HANDGEAR												
Glove-shells, leather, w/2pr. inserts, wool												
* Mitten-shells, w/2pr. inserts, trigger-finger												
* Mittens, Arctic, w/2pr. inserts, trigger-finger												
* Mittens, overwhite												
HEADGEAR												
Cap, field, cotton, od, w/visor												
* Cap, field, pile, od, MQ-1												
* Cap, herringbone twill												
* Mask, cheek protector, Arctic												
* Muffler, wool, od												
SLEEPING EQUIPMENT												
* Bag, sleeping, Arctic												
* Bag, sleeping, mountain												
* Bag, sleeping, wool												
* Blanket, wool, od												
* Case, water repellent, bag, sleeping												
OTHER ITEMS												
* Anti-insect (See Introduction)												

V 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

SOUTHWEST ASIA III-3 (above 6,500 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; 2pr. socks, wool, ski; 1pr. insoles, felt, OR Boots, mukluk, w/1pr. socks, wool, cushion sole; 2pr. socks, wool, ski; 1pr. socks, felt; 2pr. insoles, felt .	—————											
* Boots, knee wader	—————											
Boots, service, combat, russet, OR Shoes, service; w/1pr. socks, wool, cushion sole	—————											
* Shoepacs, 12 in., w/2pr. socks, wool, ski; 1pr. insoles, felt	—————											
HANDGEAR												
Glove-shells, leather, w/2pr. inserts, wool	—————											
* Mitten-shells, w/2pr. inserts, trigger-finger.	—————											
* Mittens, Arctic, w/2pr. inserts, trigger-finger.	—————											
* Mittens, overwhite.	—————											
HEADGEAR												
Cap, field, cotton, od, w/visor.	—————											
* Cap, field, pile, od, MQ-1.	—————											
* Cap, herringbone twill	—————											
* Mask, cheek protector, Arctic	—————											
* Muffler, wool, od.	—————											
SLEEPING EQUIPMENT												
* Bag, sleeping, Arctic.	—————											
* 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.

V 5/25/50

CLOTHING REQUIREMENTS

SOUTHWEST ASIA V - 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/1pr. socks, wool, cushion sole; 2pr. socks, wool, ski; 1pr. insoles, felt, OR Boots, mukluk, w/1pr. socks, wool, cushion sole; 2pr. socks, wool, ski; 1pr. socks, felt; 2pr. insoles, felt	█	█	█	█	█	█	█	█	█	█	█	█
* Boots, knee wader	█	█	█	█	█	█	█	█	█	█	█	█
Boots, service, combat, russet, OR Shoes, service; w/1pr. socks, wool, cushion sole	█	█	█	█	█	█	█	█	█	█	█	█
* Shoepacs, 12 in., w/2pr. socks, wool, ski; 1pr. insoles, felt	█	█	█	█	█	█	█	█	█	█	█	█
HANDGEAR												
Glove-shells, leather, w/2pr. inserts, wool	█	█	█	█	█	█	█	█	█	█	█	█
* Mitten-shells, w/2pr. inserts, trigger-finger	█	█	█	█	█	█	█	█	█	█	█	█
* Mittens, Arctic, w/2pr. inserts, trigger-finger	█	█	█	█	█	█	█	█	█	█	█	█
* Mittens, overwhite	█	█	█	█	█	█	█	█	█	█	█	█
HEADGEAR												
Cap, field, cotton, od, w/visor	█	█	█	█	█	█	█	█	█	█	█	█
* Cap, field, pile, od, MQ-1	█	█	█	█	█	█	█	█	█	█	█	█
* Cap, herringbone twill	█	█	█	█	█	█	█	█	█	█	█	█
* Mask, cheek protector, Arctic	█	█	█	█	█	█	█	█	█	█	█	█
* Muffler, wool, od	█	█	█	█	█	█	█	█	█	█	█	█
SLEEPING EQUIPMENT												
* Bag, sleeping, Arctic	█	█	█	█	█	█	█	█	█	█	█	█
* Bag, sleeping, mountain	█	█	█	█	█	█	█	█	█	█	█	█
* Bag, sleeping, wool	█	█	█	█	█	█	█	█	█	█	█	█
* Blanket, wool, od	█	█	█	█	█	█	█	█	█	█	█	█
* Case, water repellent, bag, sleeping	█	█	█	█	█	█	█	█	█	█	█	█
OTHER ITEMS												
* Anti-insect (See Introduction)	█	█	█	█	█	█	█	█	█	█	█	█

V 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

SOUTHWEST ASIA V-1 (below 4,500 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; 2pr. socks, wool, ski; 1pr. insoles, felt, OR Boots, mukluk, w/1pr. socks, wool, cushion sole; 2pr. socks, wool, ski; 1pr. socks, felt; 2pr. insoles, felt												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service; w/1pr. socks, wool, cushion sole												
* Sheepacs, 12 in., w/2pr. socks, wool, ski; 1pr. insoles, felt												
HANDGEAR												
Glove-shells, leather, w/2pr. inserts, wool												
* Mitten-shells, w/2pr. inserts, trigger-finger												
* Mittens, Arctic, w/2pr. inserts, trigger-finger												
* Mittens, overwhite												
HEADGEAR												
Cap, field, cotton, od, w/visor												
* Cap, field, pile, od, MQ-1												
* Cap, herringbone twill												
* Mask, cheek protector, Arctic												
* Muffler, wool, od												
SLEEPING EQUIPMENT												
* Bag, sleeping, Arctic												
* Bag, sleeping, mountain												
* Bag, sleeping, wool												
* Blanket, wool, od												
* Case, water repellent, bag, sleeping												
OTHER ITEMS												
* Anti-insect (See Introduction)												

V 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

SOUTHWEST ASIA V-1 (4,500-7,000 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; 2pr. socks, wool, ski; 1pr. insoles, felt, OR Boots, mukluk, w/1pr. socks, wool, cushion sole; 2pr. socks, wool, ski; 1pr. socks, felt; 2pr. insoles, felt												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service; w/1pr. socks, wool, cushion sole												
* Shoe-pacs, 12 in., w/2pr. socks, wool, ski; 1pr. insoles, felt												
HANDGEAR												
Glove-shells, leather, w/2pr. inserts, wool												
* Mitten-shells, w/2pr. inserts, trigger-finger.												
* Mittens, Arctic, w/2pr. inserts, trigger-finger.												
* Mittens, overwhite.												
HEADGEAR												
Cap, field, cotton, od, w/visor.												
* Cap, field, pile, od, MQ-1.												
* Cap, herringbone twill												
* Mask, cheek protector, Arctic												
* Muffler, wool, od												
SLEEPING EQUIPMENT												
* Bag, sleeping, Arctic.												
* Bag, sleeping, mountain												
* Bag, sleeping, wool												
* Blanket, wool, od.												
* Case, water repellent, bag, sleeping												
OTHER ITEMS												
* Anti-insect (See Introduction)												

V 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.

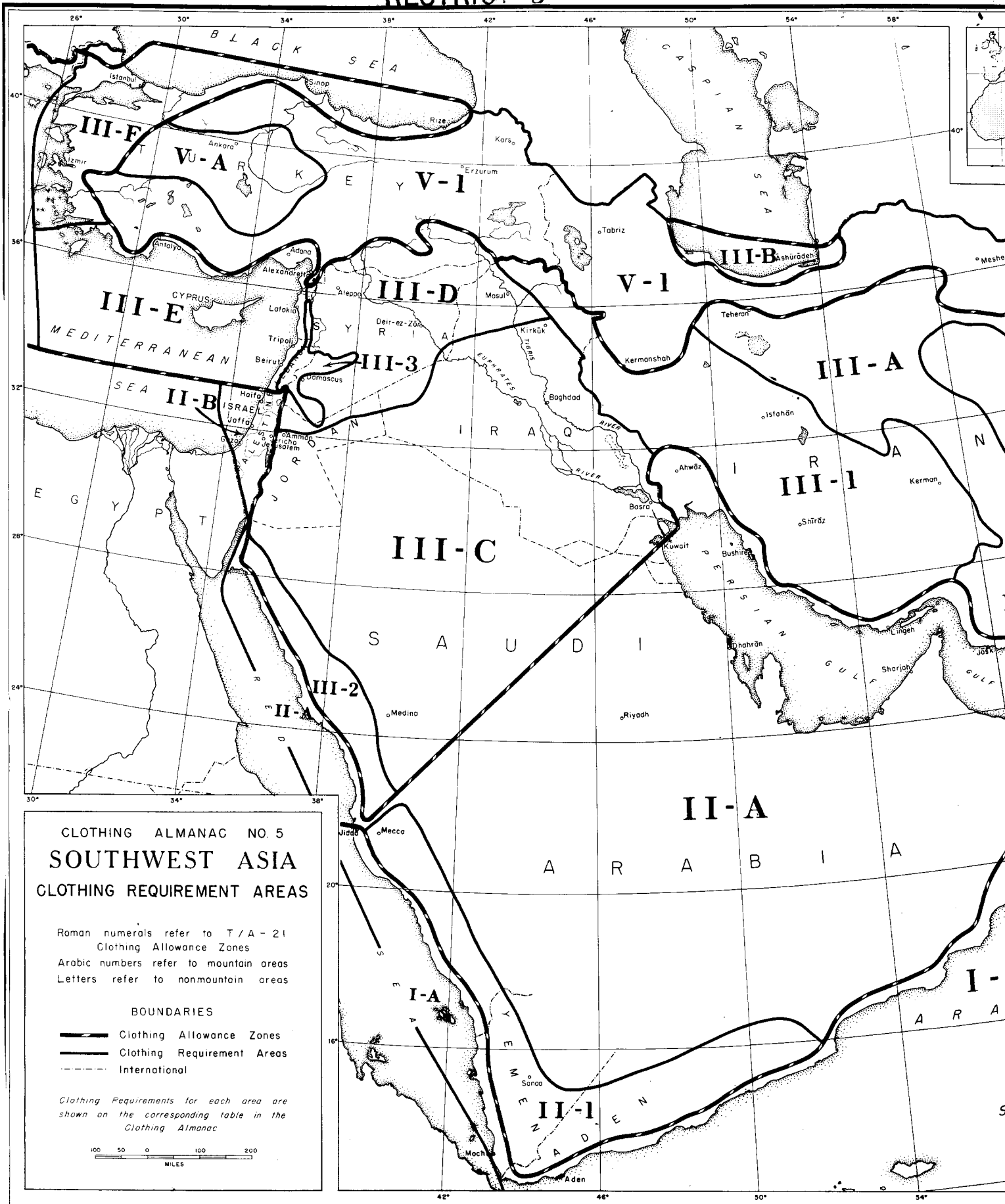
CLOTHING REQUIREMENTS

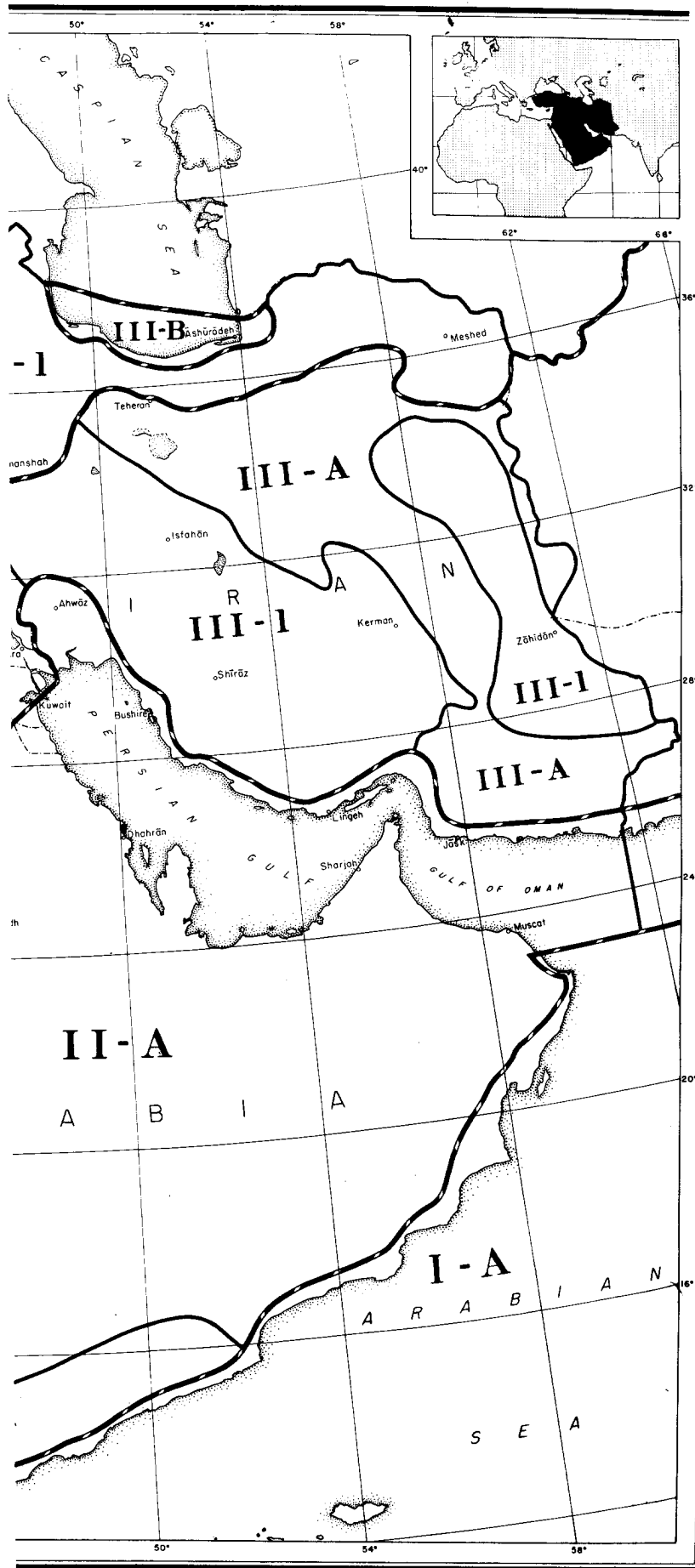
SOUTHWEST ASIA V-1 (7,000-10,000 ft.)

	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; 2pr. socks, wool, ski; 1pr. insoles, felt, OR Boots, mukluk, w/1pr. socks, wool, cushion sole; 2pr. socks, wool, ski; 1pr. socks, felt; 2pr. insoles, felt												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service; w/1pr. socks, wool, cushion sole												
* Shoe-pacs, 12 in., w/2pr. socks, wool, ski; 1pr. insoles, felt												
HANDGEAR												
Glove-shells, leather, w/2pr. inserts, wool												
* Mitten-shells, w/2pr. inserts, trigger-finger												
* Mittens, Arctic, w/2pr. inserts, trigger-finger												
* Mittens, overwhite												
HEADGEAR												
Cap, field, cotton, od, w/visor												
* Cap, field, pile, od, MQ-1												
* Cap, herringbone twill												
* Mask, cheek protector, Arctic												
* Muffler, wool, od												
SLEEPING EQUIPMENT												
* Bag, sleeping, Arctic												
* 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.

V 5/25/50





2

B 61019

NEAR EAST

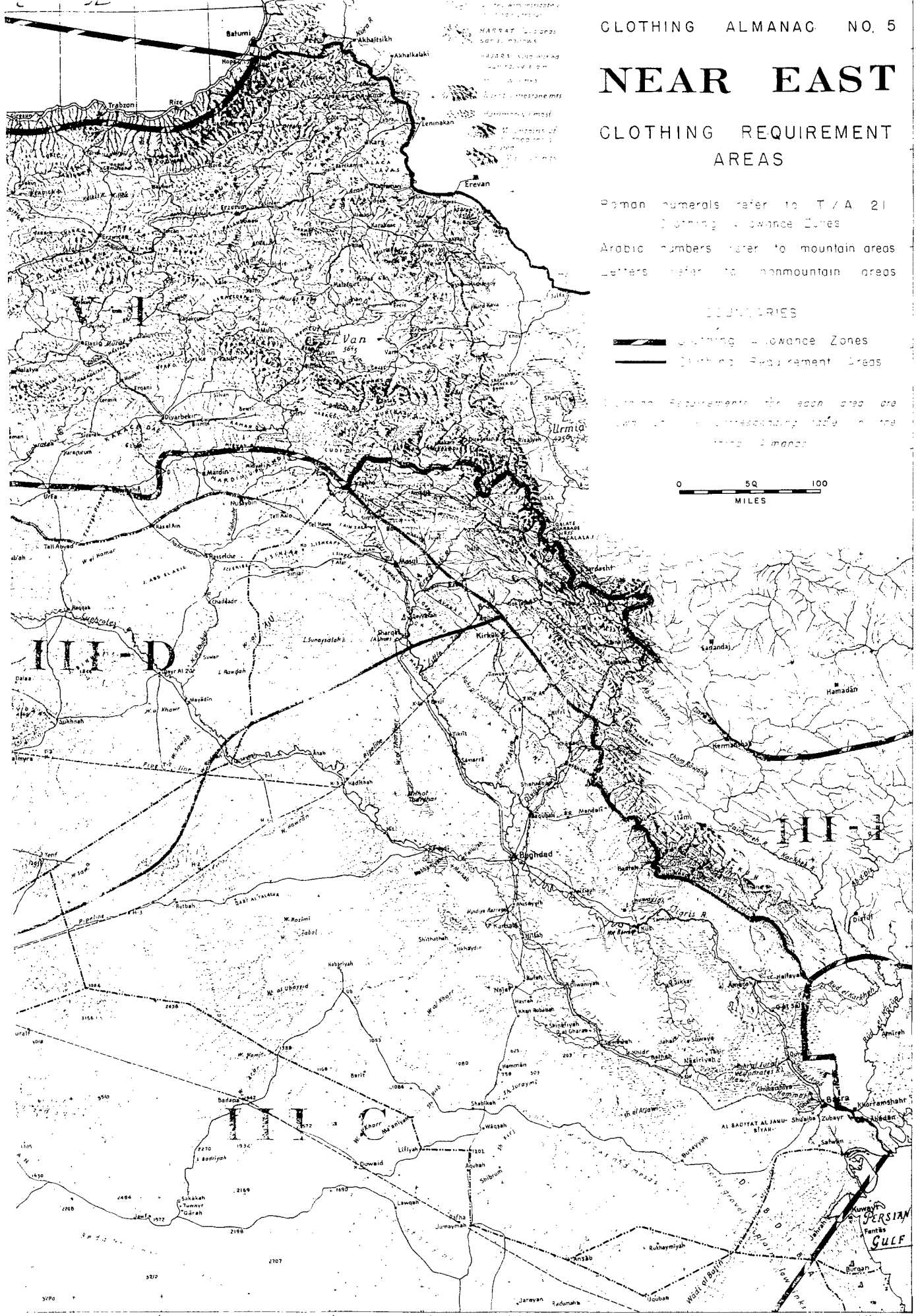
CLOTHING REQUIREMENT AREAS

Roman numerals refer to T/A 21
 Clothing Allowance Zones
 Arabic numbers refer to mountain areas
 Letters refer to nonmountain areas

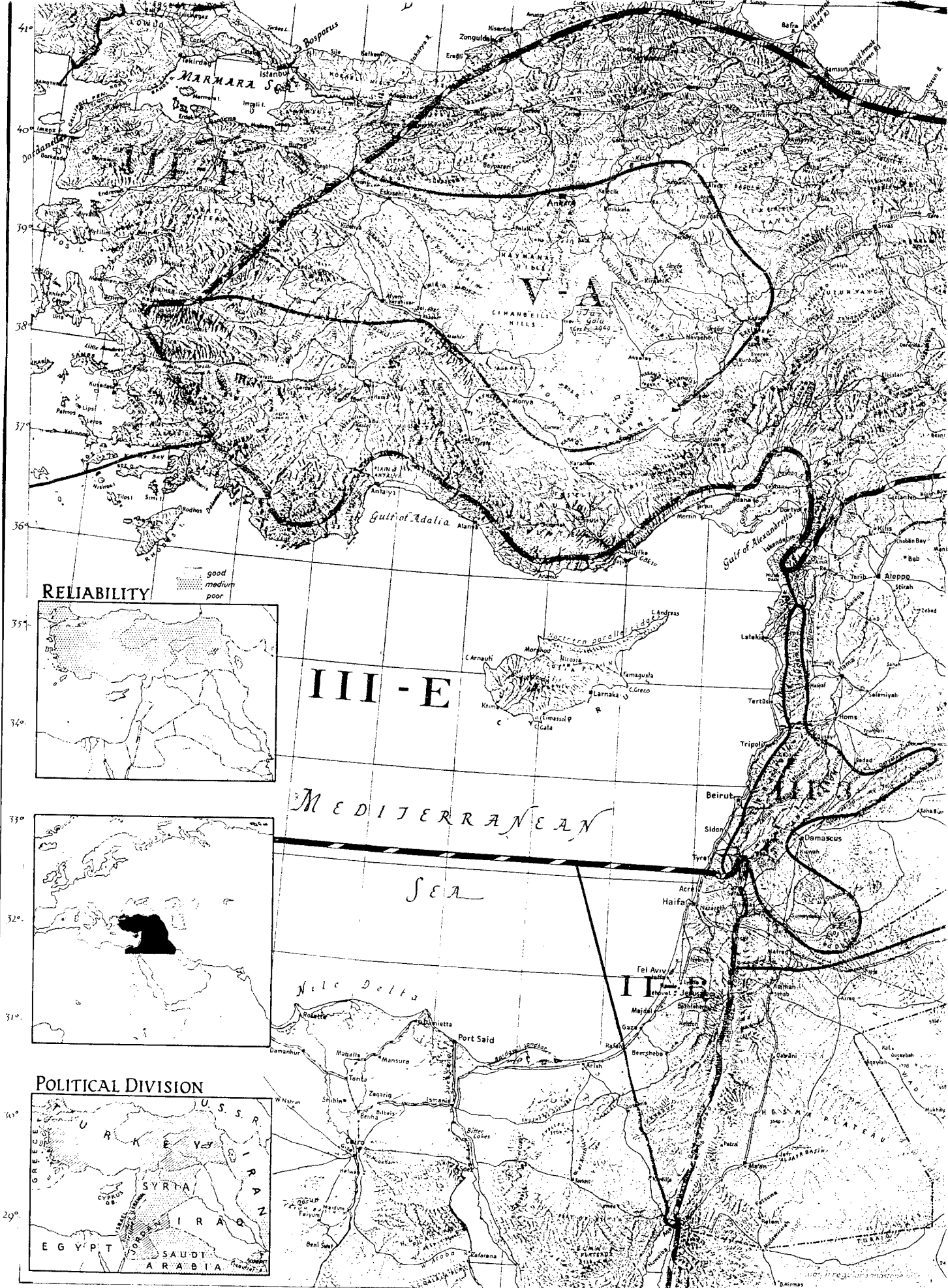
LEGEND
 [Thick line symbol] Clothing Allowance Zones
 [Thin line symbol] Clothing Requirement Areas

0 50 100
 MILES

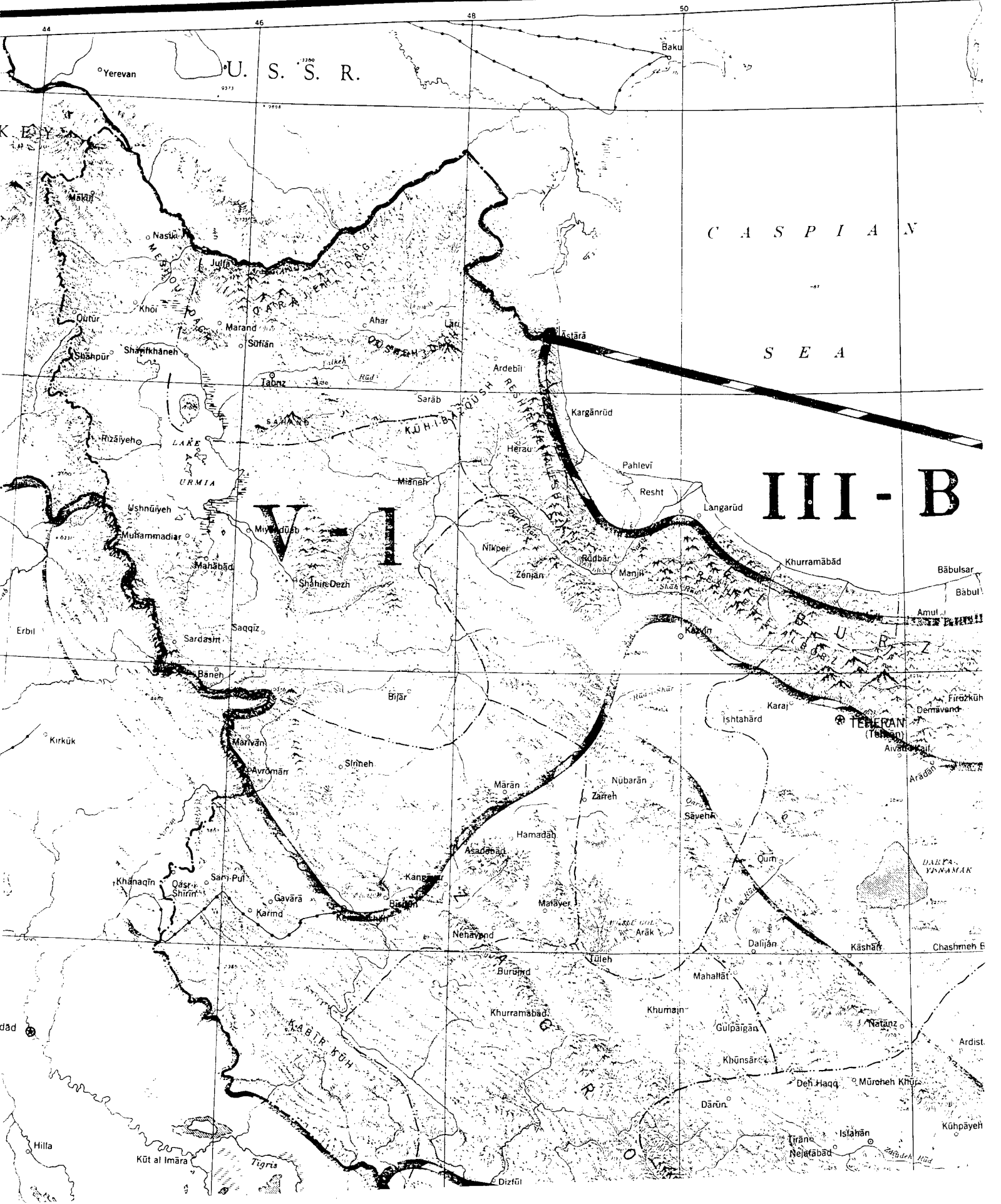
Clothing Requirements for each area are
 given in the accompanying table on the
 inside of this Almanac



(1)



Base map prepared for Environmental Protection Section, Office of the Quartermaster General, by Erwin Raisz



U. S. S. R.

CASPIAN
SEA

III-B

VI

TEHRAN (Tehran)

11

50 52 54 56 58

C A S P I A N

S E A

U. S.

K A

III - B

III - I

D A S H T - I - K A V I R

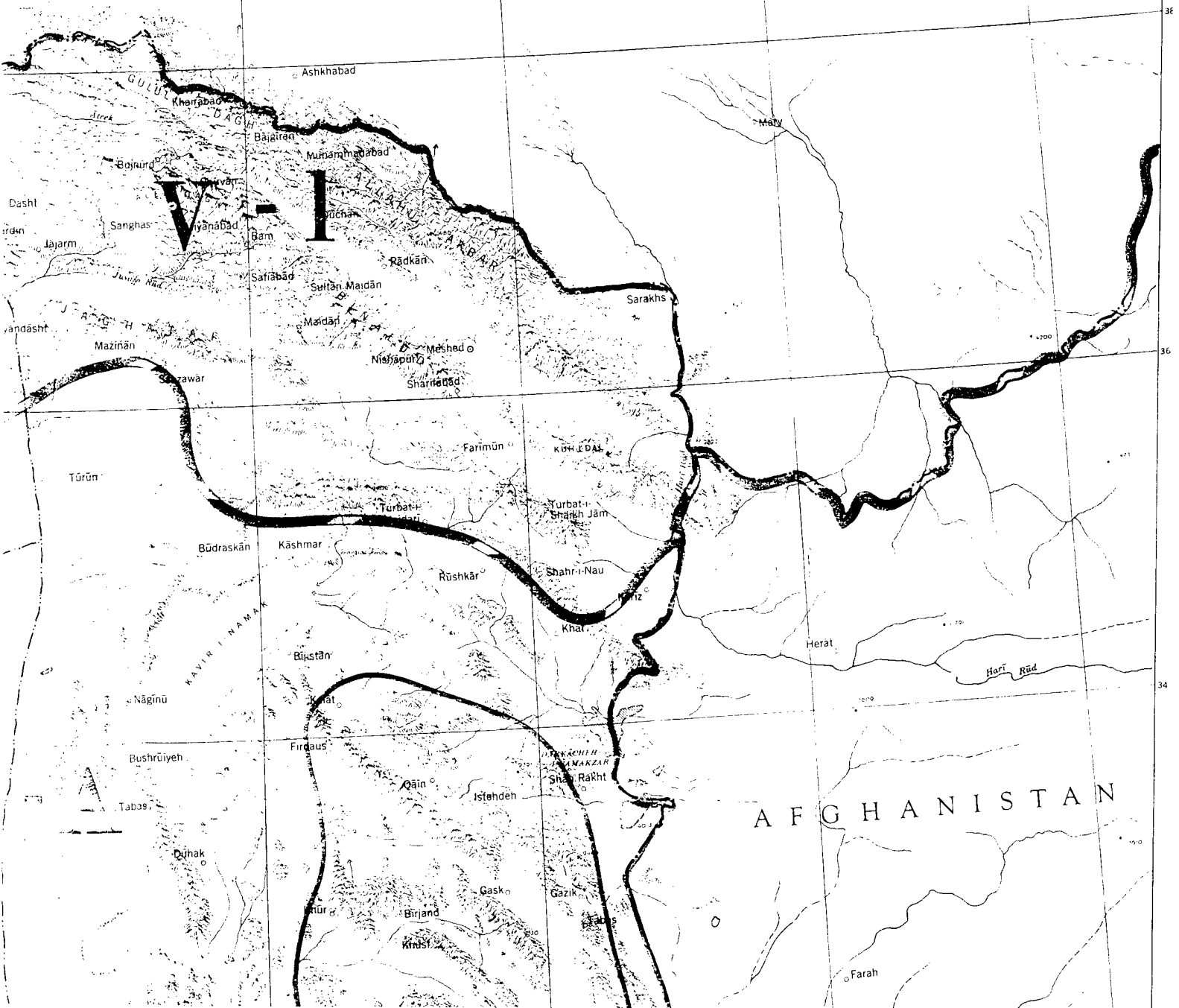
III - A

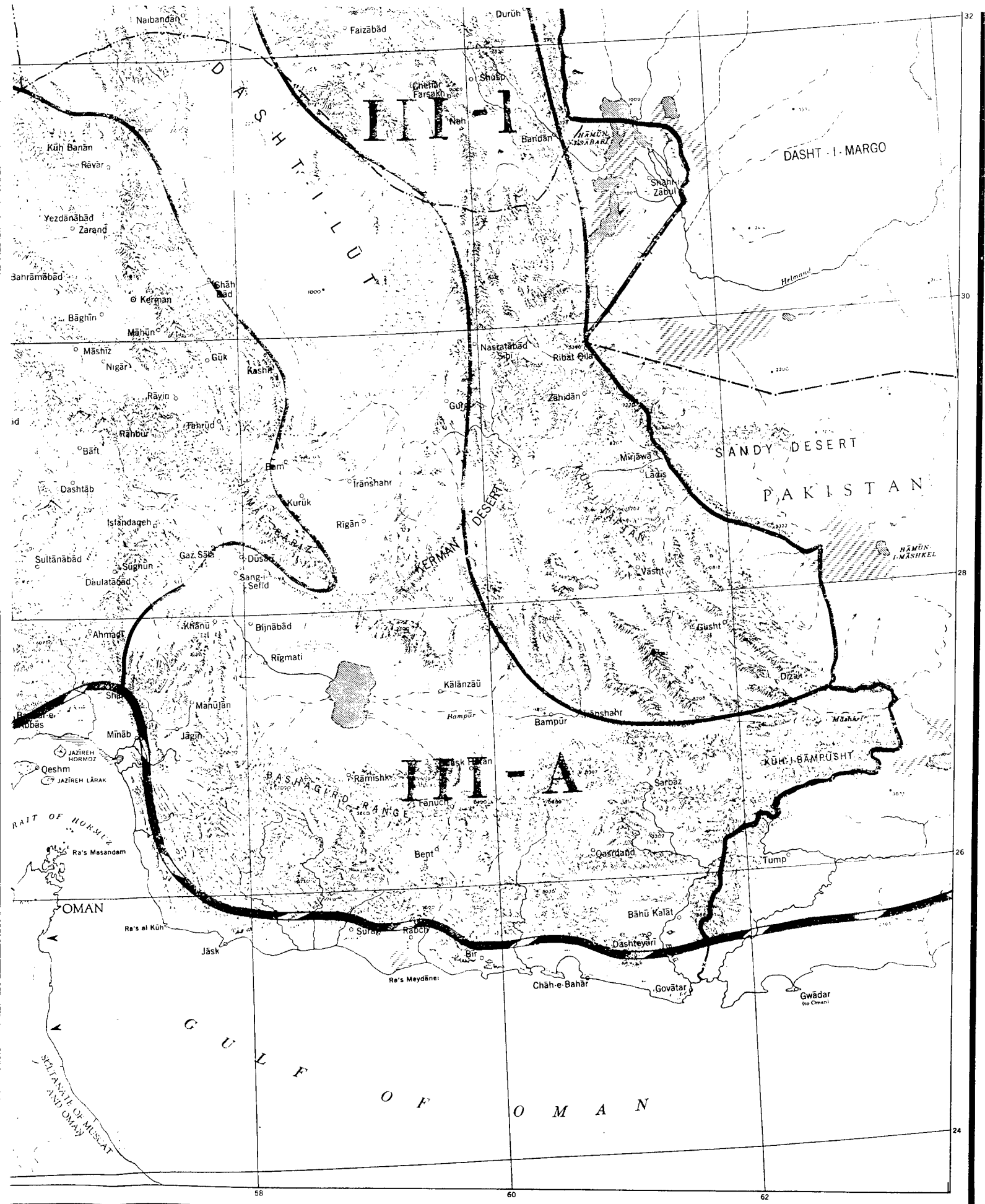


U. S. S. R.
K A R A K U M

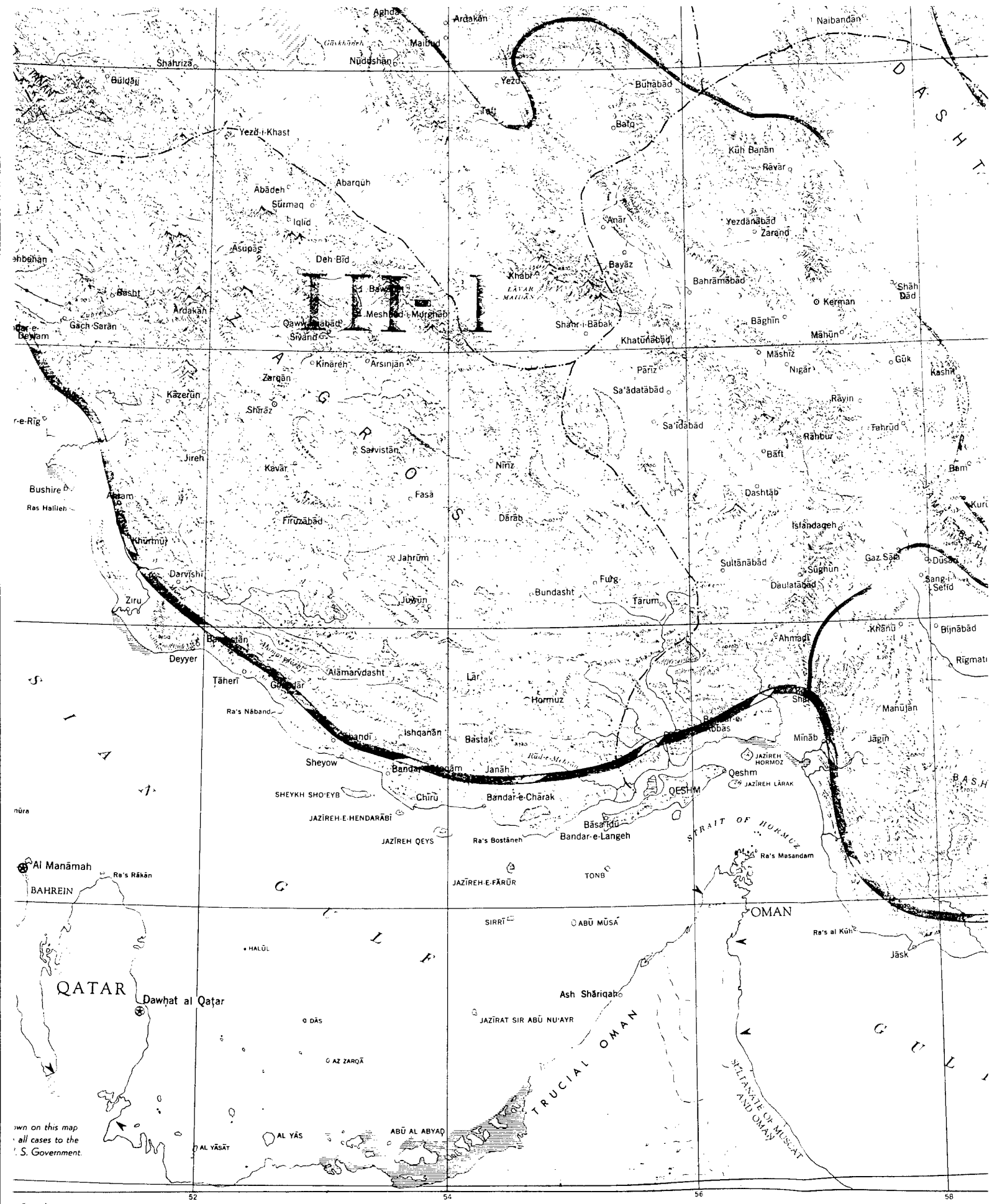
- International boundary, demarcated
- - - International boundary, undemarcated, (delimited only)
- x-x-x- Limit of sovereignty along coast (approximate)
- Ustān boundary (Ustāns are designated by Roman numerals)
- ⊕ National capital
- Ustān administrative center
- Town or village
- Oil pipe line
- Perennial stream
- Intermittent stream
- - - Unsurveyed stream
- Intermittent lake
- ▨ Swamp Chardzhou
- Area subject to flood
- Mud flat
- Salt waste
- Spot elevation (feet)

BASE: Übersichtskarte von Iran, 1:2,000,000 M. Geol. 1942
SOURCE: WORLD AERONAUTICAL CHART, 1:1,000,000 AERONAUTICAL CHART SERVICE, USSR, 1:1,000,000, 1947, 327, 347, 154, 156, 157, 427, 428, 429, 430, 445, 444, 443, 442, 547, 548, 549, varying dates.



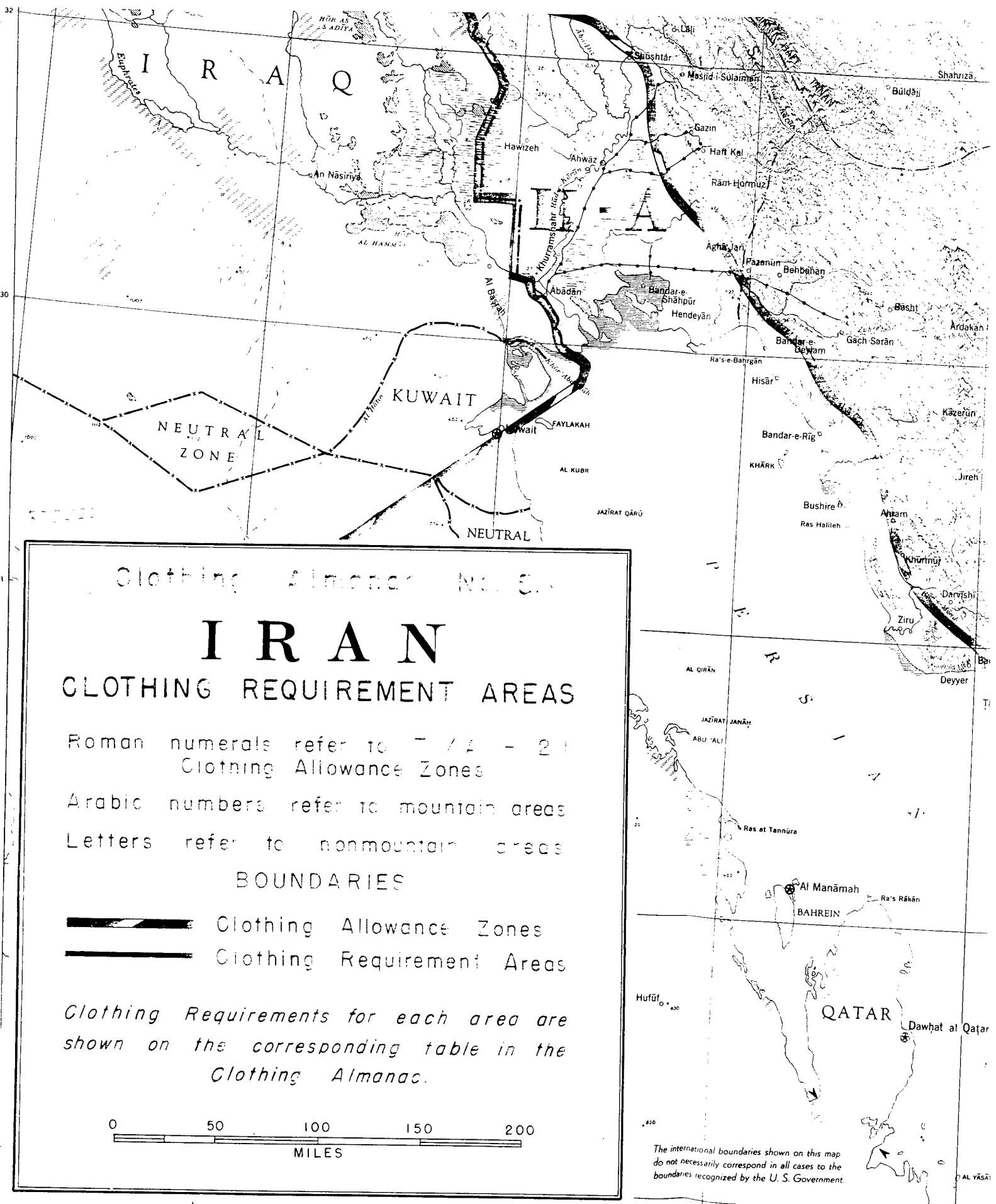


(4)



Shown on this map
in all cases to the
U.S. Government.





Clothing Almanac No. 5

IRAN

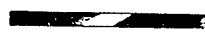

CLOTHING REQUIREMENT AREAS

Roman numerals refer to Clothing Allowance Zones

Arabic numbers refer to mountain areas

Letters refer to nonmountain areas

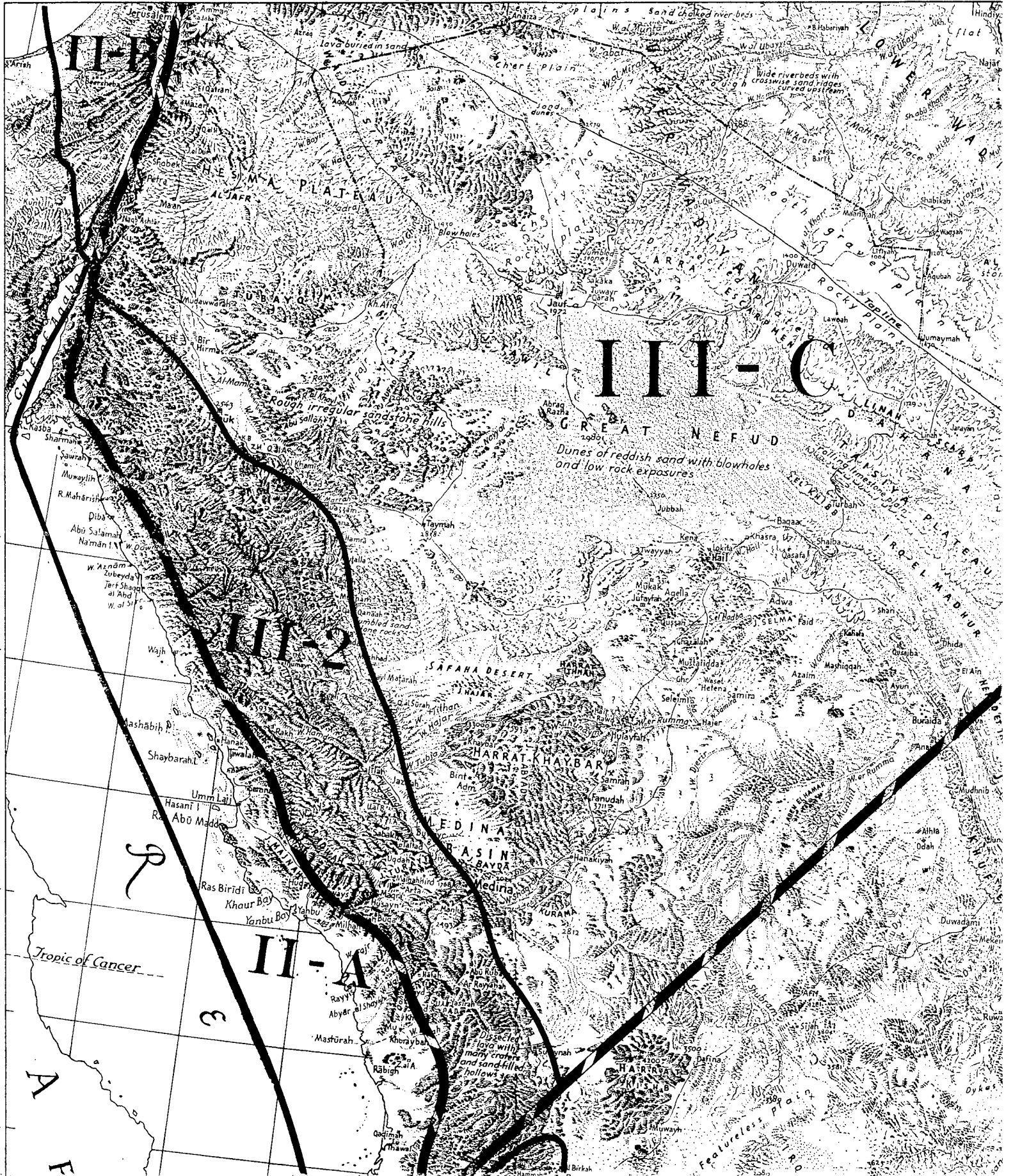
BOUNDARIES

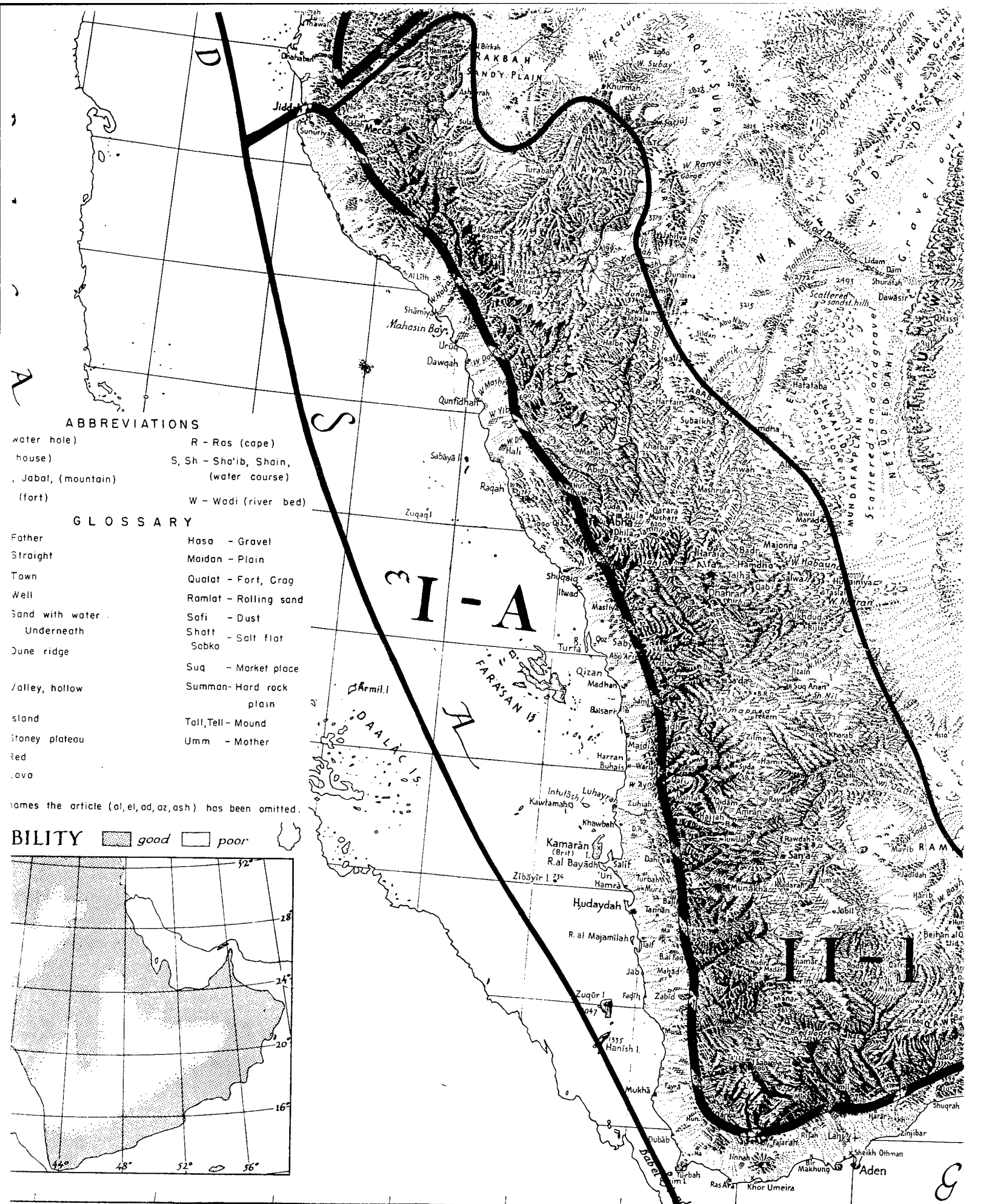
-  Clothing Allowance Zones
-  Clothing Requirement Areas

Clothing Requirements for each area are shown on the corresponding table in the Clothing Almanac.



The international boundaries shown on this map do not necessarily correspond in all cases to the boundaries recognized by the U. S. Government.





ABBREVIATIONS

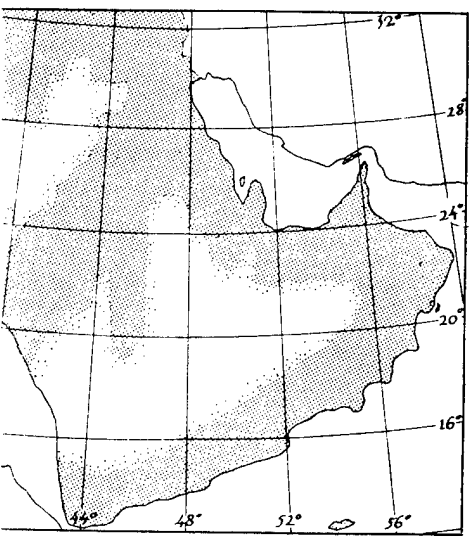
- water hole) R - Ras (cape)
- house) S, Sh - Sho'ib, Shain, (water course)
- Jabal, (mountain)
- (fort) W - Wadi (river bed)

GLOSSARY

- Father Hasa - Gravel
- Straight Maidan - Plain
- Town Qalat - Fort, Crag
- Well Ramlat - Rolling sand
- Sand with water Safi - Dust
- Underneath Shott - Salt flat
- Dune ridge Sabko
- Valley, hollow Suq - Market place
- stand Summan - Hard rock plain
- Stoney plateau Tall, Tell - Mound
- Red Umm - Mother
- lava

names the article (al, el, ad, az, ash) has been omitted.

QUALITY good poor



(2)

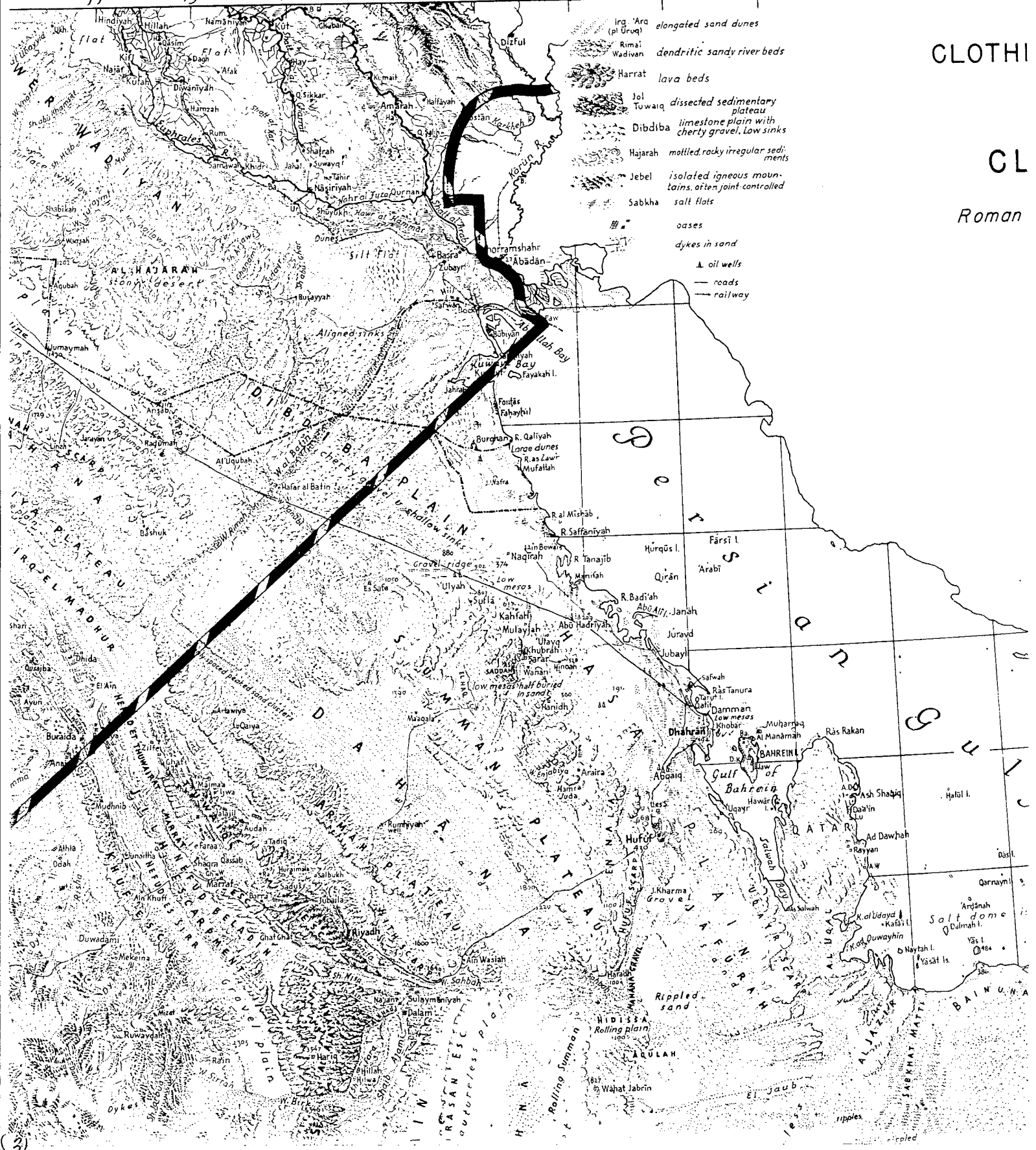
RESTRICTED

44 45 46 47 48 49 50 51 52 53

CLOTHI

CL

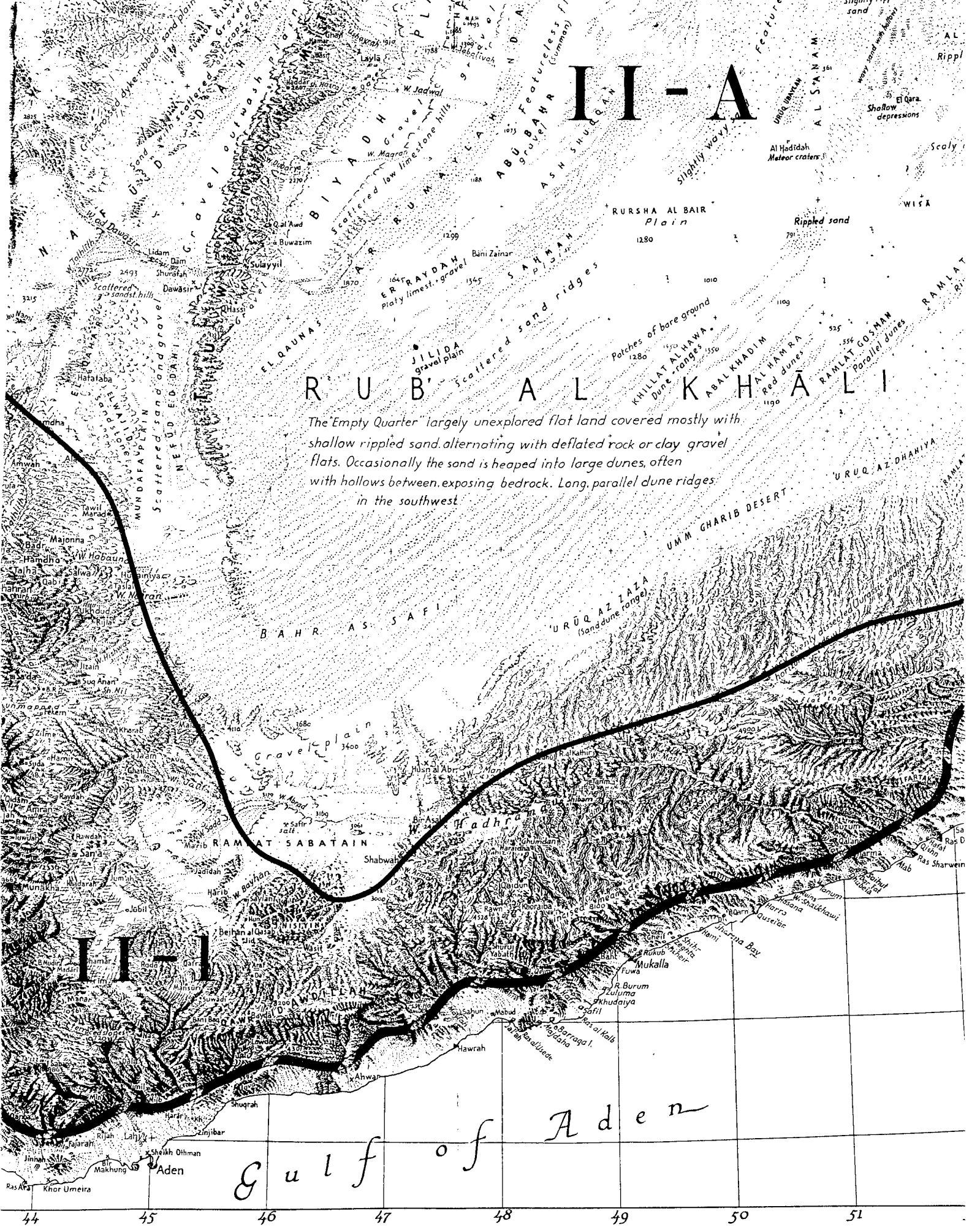
Roman



II-A

RUB' AL KHALI

The "Empty Quarter" largely unexplored flat land covered mostly with shallow rippled sand alternating with deflated rock or clay gravel flats. Occasionally the sand is heaped into large dunes, often with hollows between, exposing bedrock. Long, parallel dune ridges in the southwest.



CLOTHING ALMANAC NO.5, SOUTHWEST ASIA

ARABIA




CLOTHING REQUIREMENT AREAS

Roman numerals refer to T/A-21 Clothing Allowance Zones.

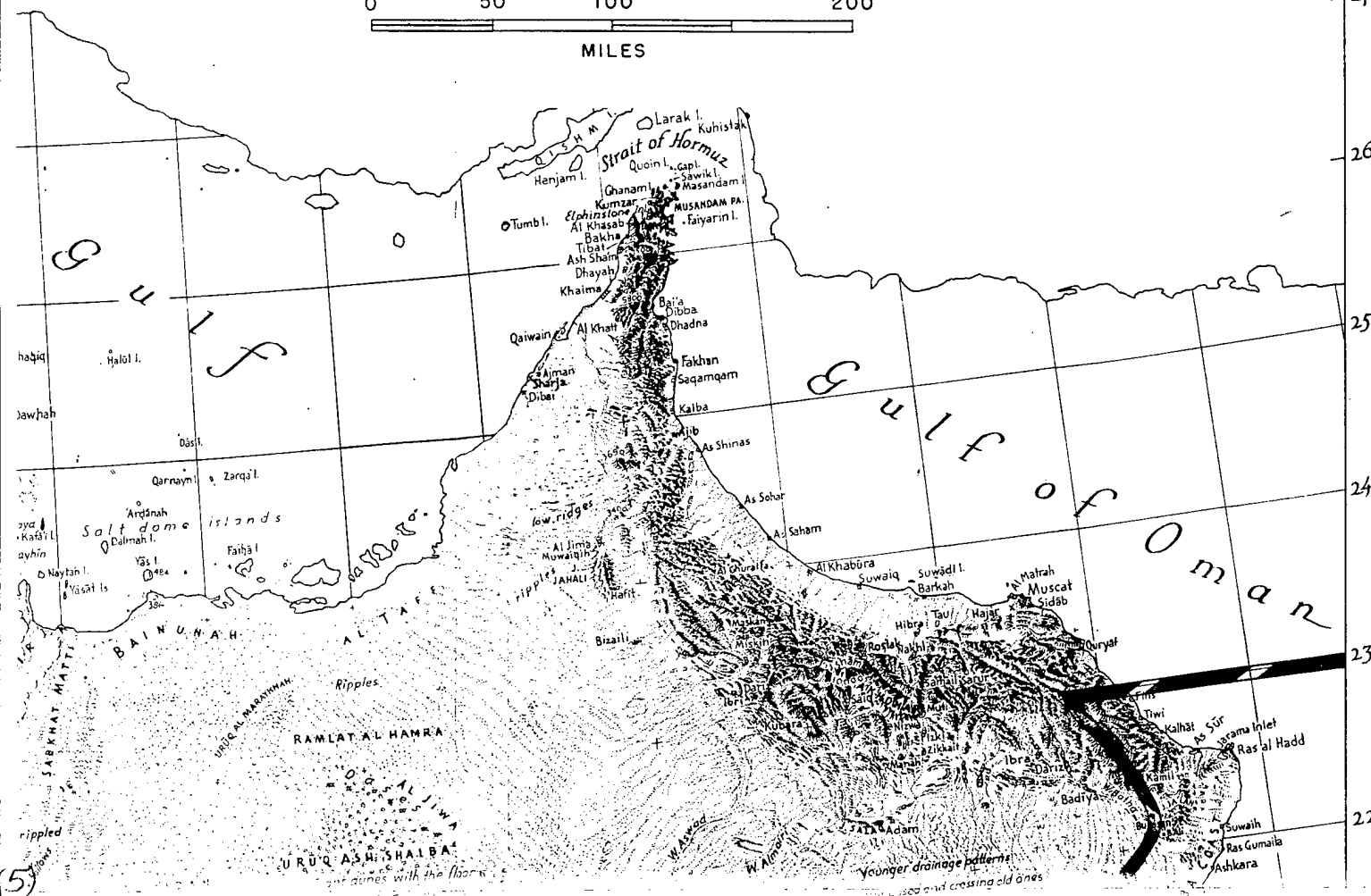
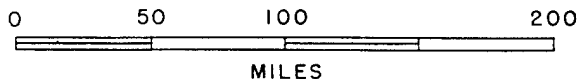
Arabic numbers refer to mountain areas

Letters refer to non-mountain areas

BOUNDARIES

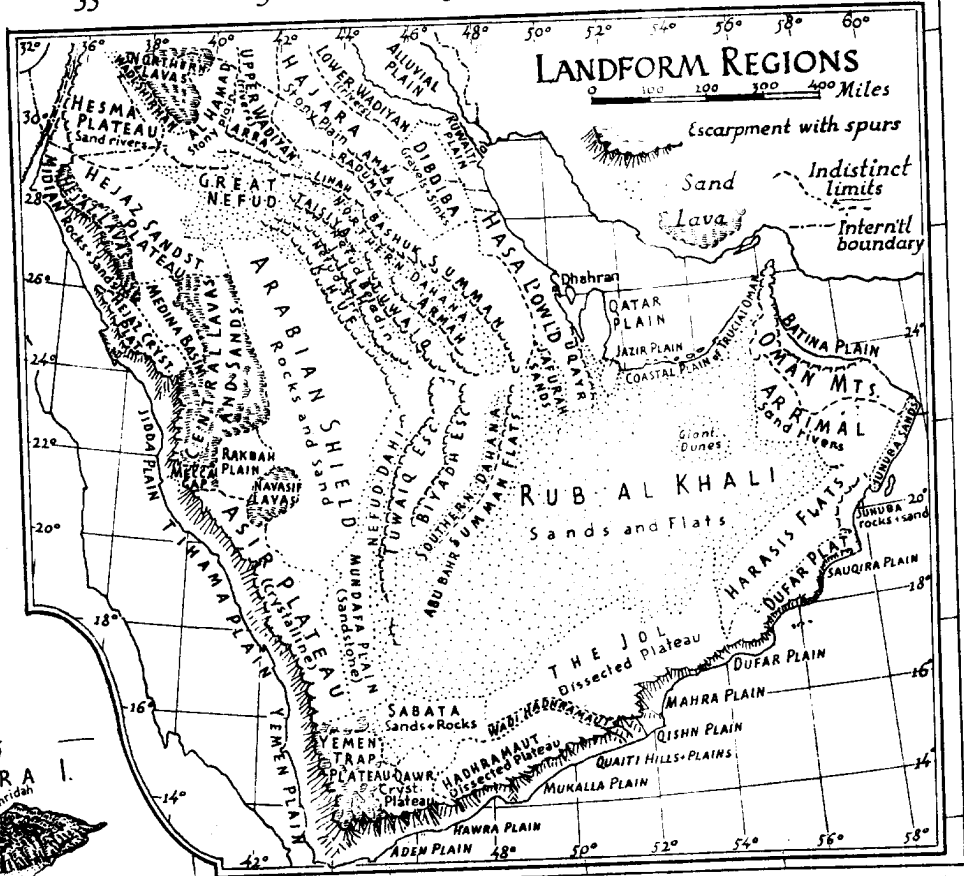
-  Clothing Allowance Zones
-  Clothing Requirement Areas
-  International

Clothing Requirements for each area are shown on the corresponding table in the Clothing Almanac.





I-A



GENERAL DISTRIBUTION LIST FOR CLOTHING ALMANACS
(In addition, each Almanac is given special
distribution in the Region which it covers)

ARMY

QUARTERMASTER CORPS

200 Office of The Quartermaster General, Military Planning
Div., Res. & Dev. Br., Research Information Section

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
QM Liaison Officer, TSXQM, QMC, Dayton, Wright AFB
1 Air Proving Ground
2 Senior U.S. Rep. in Canada, Lt. Col. Aldean A. Eakin, QMC
Tech. Rep., DID 224 Wellington St., Ottawa
2 Senior U.S. Rep. in United Kingdom, Lt. Col. Edwin G. Beggs,
QMC Tech. Rep., Off. of Mil. Attache, U.S. Navy 100, FPO, N.Y.
3 QM Liaison Officer, ONR, (Col. Harwood), Washington 25, D.C.

GENERAL STAFF, U.S. ARMY

2 Asst. Chief/Staff, G-2: Chief, 1D44, 2345 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

2 Tech. Command, Army Chemical Center, Md.
(Attn: Prot. Div. Lib: 1; Med. Div. Tech. Info. Sect: 1)
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, 1215 Washington Ave., Wilmette, Illinois
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. McClendon)
1 ORDNANCE DEPARTMENT, Res. & Dev. Div., The Pentagon

SIGNAL CORPS

2 Eng. & Tech. Div., The Pentagon
(SIGGE-H: 1; SIGGG-C4: 1)
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