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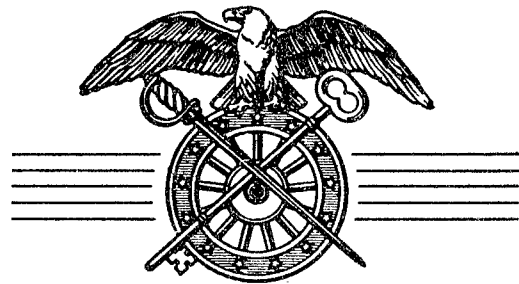
CLOTHING ALMANAC NO. 1

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JAPAN

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Research and Development Division
Office of The Quartermaster General
December 1951

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

Environmental Protection Branch

Clothing Almanac No. 1

JAPAN
(Revised)

Washington, D. C.

December 1951

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INTRODUCTION

1. PURPOSE

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

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

2. DESCRIPTION

Clothing Almanacs supplement T/A 21, which specifies total yearly clothing allowances for each of seven world-wide zones. Each T/A 21 Clothing Allowance Zone is based on the average temperatures of the coldest and warmest months, as shown in Table 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>	Average Temperature (°F) of	
	<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 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. Map. Clothing Requirement Areas of the Region are shown on a map 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 publication.

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.



Figure 1: Approximately 75 to 80 percent of Japan is rough hills and mountains. Vertical temperature gradients are great enough to warrant a change to warmer clothing at the higher elevations.

Figure 2: Wet rice terraces present special footgear problems during the period of inundation, and also provide habitats for disease-carrying insects.



CLOTHING ALMANAC FOR JAPAN

1. GENERAL

The key characteristic of clothing requirements for Japan is diversity. Clothing needs differ profoundly from place to place and from season to season. Differences in requirements between north and south, lowland and upland, winter and summer, are as great as contrasts between native Japanese and western apparel. Within the region, at some time of the year, all four basic uniforms (Tables 5, 6, 7, 8, and 9) are recommended for wear -- from the Arctic ensemble in the upper mountain levels of Area V-3 in the north to the Warm Weather ensemble in Area II-A in the south. In clothing requirements the Japanese region, from Okinawa to northern Hokkaido, compares approximately with eastern North America from southern Florida to Nova Scotia.

The Japan Clothing Almanac region extends east to 147°E. longitude, south to 20°N. latitude, and north to 46°N. It includes the four main islands of Japan and adjacent smaller islands, principally the Ryuku retto and the Ogasawara gunto. The boundary is shown on the map at the end of the Almanac. The four main islands of Japan (Hokkaido, Honshu, Shikoku, and Kyushu) total about the same in area as the states of North Carolina, South Carolina, and Georgia. They extend in a broad arc concave to the mainland of Asia, and lie at the eastern edge of the Sea of Japan across from Korea and the U. S. S. R. Altogether Japan falls into three Clothing Allowance Zones (II, III, and V).

2. CLIMATE

Although Japan lies within the seasonally reversing winds of the monsoon system of Asia, it lacks sharp seasonal contrasts in moisture. Seasonal temperature contrasts, however, are sharpened by these winds. Summer winds normally blow from the south and southeast, while winter winds from the north and northwest bring cold air from the mainland. On the basis of climate, the region can be bisected roughly along the 38th parallel. The southern half of the island group (Areas II-A, II-B, and III-1) is distinctly sub-tropical, with smaller seasonal differences and higher temperature at all seasons than the northern half (Areas V-1, V-2, and V-3).

a. Temperature. The temperature difference between northern Hokkaido and Kyushu is much less in summer than in winter. In August, usually the warmest month, monthly means vary from 80°F in southern Kyushu to 77° in central Honshu, and 65° in northern Hokkaido. Combined with these average temperatures is a high relative humidity -- making most of the summer sultry and oppressively warm in the lowland regions south of the 38th parallel.

Corresponding average cold-month temperatures (January or February) for Kyushu, Central Honshu and northern Hokkaido are 45°F, 35°F, and 20°F, respectively. Compared to areas of similar latitude and marine location, the Japanese Zone V Areas are colder in winter than might be expected -- primarily because of their location just east of the great Eurasian land mass and their consequent subjection to the outbursts of extremely cold continental air from eastern Siberia.

In winter, diurnal temperature ranges are great in the northern half of the island chain and in the mountains of the south. Troops operating in the highlands of Honshu and Hokkaido may need additional clothing for night duty to compensate for the rapid nocturnal cooling at high elevations. In the summer months, temperatures are not affected by importation of dry, continental air, and the diurnal range is small.

Fully as important as the horizontal differences in temperature are the vertical ones. With increasing elevation there is usually a drop in temperature and a need for additional clothing as critical levels are reached. The needs at different levels are shown in the Clothing Requirements tables.

b. Precipitation. At no time of the year can any part of Japan be considered dry. Most of the region has a summer maximum of precipitation, but even the drier winter months receive two to three inches of rainfall. During most of July, the sky is overcast and the weather generally sultry over the region south of Tokyo. This is the period of the "Bai-u" (Plum or rainy season) rains which last for about thirty days. The eastern coast of Honshu does not fit the general rainfall pattern since it has a winter maximum in the form of heavy snowfall.

TABLE 2: AVERAGE TEMPERATURES (°F) OF COLDEST AND WARMEST MONTHS

STATION	NORTH		EAST		AREA	ELEVATION (Ft)	WARMEST	COLDEST
	LATITUDE	LONGITUDE	LATITUDE	LONGITUDE				
Naha	26°	12'	127°	39'	II-B	98	82	61
Naze	28	23	129	30	II-B	14	81	57
Kagoshima	31	34	130	33	III-1	16	80	45
Tokyo	35	41	139	46	III-1	16	77	37
Niigata	37	56	139	30	V-1	26	77	34
Oiwake	36	20	138	33	V-1	3,281	68	23
Sendai	38	16	140	54	V-2	128	75	30
Sapporo	43	04	141	21	V-3	55	69	21
Nemuro	43	20	145	35	V-3	85	62	21

To meet the problems of wet surface conditions during the warm season, Boots, knee wader are recommended as special issue to some troops for wear over Boots, service, combat, russet. When the average monthly temperature is above 68°F, Boots, combat, tropical are suitable (Fig. 3).

Except for limited parts of Areas V-3 (eastern Hokkaido) and III-1 (around the Inland Sea), the entire region has more than forty inches of precipitation per year. Most of Area III-1 and the western coasts of Areas V-1 and V-2 receive from sixty to eighty inches per year. There are three districts of heavy rainfall (more than eighty inches): the western coast of Honshu between parallels 35 and 38, the Pacific coast from the 35th parallel to the southern tip of Kyushu, and the highlands of Central Honshu directly west of Tokyo. In these districts, the Parka and Trousers, wet weather are recommended as special issue for certain specialized troops when average monthly temperatures are between 23°F and 50°F.

c. Typhoons. Although numerous typhoons occur in the southern part of this region between July and October, only one or two strike the main islands each year. The occurrence rate is greatest in late summer and early fall. These storms with their well-known high-velocity winds and accompanying torrential rains strike only the southern and southwestern coasts of Japan. Occasionally, however, a storm will pass over the Sea of Japan and travel as far north as southern Hokkaido. Damage from violent winds and flooded streams is severe.

d. Winds. The winter monsoon is better developed than its summer counterpart, and from November through March winds are strongest and most consistent in their direction of flow. Excepting typhoons, wind speeds are highest along the western coasts of Honshu and Hokkaido (Areas V-1, V-2, and V-3). The winds, moving out from the Siberian high pressure area, sweep unimpeded across the Sea of Japan and strike these coasts, sometimes in gale force (over 32 mph.) Near Niigata the winds are strong enough to warrant weighting the shingled roofs with stones and shells to prevent their blowing away. These winds, coupled with the low temperatures, create a need for additional protection against wind-chill. The Parka-liner, pile & Parka-shell, cotton, od or Overcoat, parka-type, w/pile liner are desirable items of wear under these conditions. The eastern coasts at the same latitude are sheltered and have markedly lower velocities than the western coast. (See Sendai and Niigata in Table 3.)

TABLE 3: MEAN MONTHLY WIND VELOCITIES (mph)

<u>STATION</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>
Naha	9.5	9.7	8.3	6.8	6.4	5.9	6.2	7.0	7.7	8.3	9.5	9.5
Naze	9.0	9.2	8.3	7.0	5.7	5.5	5.5	6.2	6.4	7.3	8.1	8.8
Kagoshima	7.0	7.5	7.5	6.8	6.6	5.9	6.2	6.6	6.6	6.8	6.8	6.8
Tokyo	5.9	6.6	6.8	6.6	6.4	5.7	5.7	5.7	5.7	5.3	5.3	5.5
Niigata	11.0	9.9	9.0	9.5	6.8	5.7	5.5	5.5	5.9	6.6	8.6	10.8
Sendai	3.7	4.6	4.4	4.0	3.3	2.6	2.2	3.1	2.6	2.4	3.3	3.7
Sapporo	7.3	7.0	8.1	9.2	9.7	8.1	7.3	6.6	6.2	6.2	7.0	7.0
Nemuro	11.9	10.6	10.8	11.2	11.2	9.5	8.6	8.3	9.2	11.2	12.3	12.5

e. Wet-Cold. Wet-cold conditions are here defined as a combination of average temperatures between 23°F and 50°F, moist terrain surfaces, and frequent, although not necessarily heavy, precipitation. When clothing is wet, the entire body can be chilled rapidly, and the problem of keeping the extremities warm and dry is intensified. Certain clothing combinations are recommended to provide adequate protection under wet-cold conditions. Shoepacs are designed specifically for use on moist or water-logged surfaces; however, they are not meant to replace Boots, service, combat, russet on dry surfaces. Ordinarily, the Jacket, field and Trousers, field, cotton, od give sufficient protection from moisture and wind when worn as outer garments. Either the Poncho, lightweight, od or the Raincoat is needed for a rain-proof outer covering. Of the jackets listed in the Cold Weather Summary (Table 8), the Jacket, field, pile, od is designed to be worn under the Jacket, field when temperatures are below 32°F.

3. TERRAIN

The chief characteristic of the terrain is its ruggedness. The Japanese Islands are basically crests of a series of submarine mountain arcs joined in central Honshu. As is common in the mountainous areas rimming the Pacific, volcanic activity has been, and is yet, an important agent in shaping the topographic features of the islands. Several hundred volcanoes (the majority of them inactive) are found throughout the chain and constitute the highest peaks to be climbed or bypassed. Generally, level areas are peripheral and small.

a. Mountains and Hills. Of the four broad classifications of topography (mountains, hills, plains, and plateaus) the latter two are areally dwarfed by the mountains and hills. Consequently, with the exception of Zone II, the entire region is classified mountainous. Despite the humid climatic conditions, the sharp, angular form (rather than the expected rounded, well-weathered outline) prevails in the natural landscape.

The entire island chain has a hill-and-mountain backbone (Fig. 1) of hard and complex rocks, interspersed with volcanic peaks. This

U.S. ARMY COMBAT FOOTGEAR

ITEM	WEIGHT PER PAIR	SOCKGEAR	FUNCTION	SURFACE	RANGE OF ACTUAL AIR TEMPERATURES FOR SATISFACTORY USE (Ground Surface Temperatures May Be as Much as 40°F. Warmer or Colder.)	T/A 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	11-22	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	13-22	I II III IV V VI VII
BOOT, COMBAT, RUBBER, INSULATED	5.50 lbs 	<i>THIS ITEM STANDARDIZED 27 JUNE 1951 TO REPLACE SHOE PAC, 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	13-22	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>	13-22	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	13-22	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	13-22	I II III IV V VI VII

Figure 3

rugged core reaches the seacoast in many places in Honshu, Kyushu, and Shikoku. Approximately 75 to 80 percent of the region can be considered rough hills and mountains. The highest elevations are found in the district 150 miles northeast of Tokyo, where the peaks exceed 10,000 feet. Although clothing requirements are shown in the tables for all levels, the lowest belt is the most significant, since it contains the principal centers of population and the main transportation routes. Even most of the passes through the mountains are below 2,000 feet.



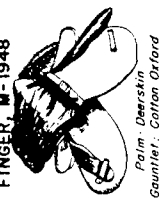

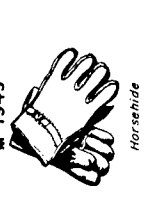


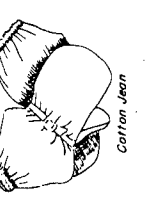
b. Plains. The total amount of plains area in Japan is small, probably less than twenty percent, and is widely scattered. Without exception the larger plains are coastal, generally at the heads of bays, and the smaller ones are isolated in mountain basins (Fig. 1). The largest plain (Kwanto) lies around and to the north of Tokyo, and has an area of less than 5,000 square miles. Other important plains are found adjacent to Nagoya, Osaka-Kobe, and Sapporo. The plains are separated from one another by mountains that reach the coast. Features of many of the plains are the rivers which flow on them, and, especially south of the 38th parallel, furnish water for the crops of paddy-grown rice.

4. GROUND CONDITIONS

Of special significance for the issue of footgear is the type of ground conditions existing in an area. These conditions are neither uniform throughout Japan nor throughout the year. The types vary from the essentially year-round warm and humid conditions found on the islands south of Kyushu to the humid-summer and frozen-dry and snowy winter surfaces of the north (Area V-3).

a. Snow. Snow falls over the entire region but remains on the ground through the winter only in Hokkaido, the Pacific side of Honshu as far south as the 38th parallel and the western side of the same island as far south as the 35th parallel. The amount of snowfall decreases from west to east and the length of the period of snow-cover decreases from north to south (Table 4). The snows of western Honshu (north of Niigata) can be unusually heavy. The snowfall of a single 24-hour period has been known to exceed 39 inches. Under such conditions, trains are stopped and roads closed for several days at a time. Along this same coast houses have been specially constructed to meet the snow problem. The eaves of each house along the street are extended beyond the outer wall and a wind-break is dropped from the ends to form a covered passage-way (gangi) for use when the streets have been drifted full. The snowfall of Hokkaido is usually heavy and moist. In both areas, the Parka and Trousers, field, overwhite, Mittens, overwhite, (Figure 4) and Glasses, sun or Goggles are recommended for issue during the period of snow-cover.

1951 COLD WEATHER FIELD - COMBAT HANDGEAR 1951

ITEMS		FUNCTION	TEMPERATURE RANGE FOR SATISFACTORY USE	T/A 21 ZONES						
				I	II	III	IV	V	VI	VII
OUTER  MITTENS, ARCTIC, M-1949 Palm: Deerskin Gauntlet: Cotton Oxford Back: Wool Fleece	INNER  MITTEN-INSERTS, TRIGGER FINGER, M-1948 75% Wool 25% Nylon	PROVIDES INSULATION UNDER DRY COLD (ARCTIC) CONDITIONS	-65°F to +14°F							
		SMALL MEDIUM LARGE								
OUTER  MITTEN-SHELLS, TRIGGER FINGER, M-1948 Palm: Deerskin Gauntlet: Cotton Oxford	INNER  MITTEN-INSERTS, TRIGGER FINGER, M-1948 75% Wool 25% Nylon	PROVIDES INSULATION UNDER WET COLD AND MOUNTAINOUS CONDITIONS	-15°F to +41°F							
		MEDIUM LARGE								
OUTER  GLOVE-SHELLS, LEATHER, M-1949 Horsehide	INNER  GLOVE-INSERTS, WOOL, M-1949 75% Wool 25% Nylon	PERMITS MANUAL DEXTERITY UNDER WET COLD CONDITIONS	+5°F to +41°F							
		SMALL MEDIUM LARGE								
OUTER  GLOVES, ANTI-CONTACT, M-1950 Cotton Simplex Fabric with Deerskin Reinforced Palm & Fingers	INNER MAY BE WORN INSIDE OTHER GLOVES OR MITTENS	PREVENTS COLD-BURN PERMITS GREATEST AMOUNT OF MANUAL DEXTERITY UNDER ARCTIC CONDITIONS FOR SHORT PERIODS OF TIME	NOT DESIGNED FOR WARMTH							
		SMALL MEDIUM LARGE								
OUTER  MITTENS, OVER, WHITE, M-1950 Cotton Jean	INNER WORN OVER OTHER HANDGEAR COMBINATIONS	WORN WITH PARKA & TROUSERS, FIELD, OVERWHITE, WHEN GROUND IS SNOW-COVERED	NOT DESIGNED FOR INSULATION							
		ONE SIZE ONLY								

Mandatory
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3 3 1 2 3 4

Figure 4

TABLE 4: MEAN MAXIMUM DEPTH OF SNOW COVER (in inches)

<u>STATION</u>	<u>LATITUDE</u>		<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>
HOKKAIDO								
Wakkana	45°	24'	14.1	26.3	35.0	48.0	48.8	31.4
Haboro	14	23	7.8	16.9	19.6	30.7	26.7	11.8
Abashiri	44	1	3.5	7.8	19.2	26.3	23.2	6.6
Sapporo	43	04	5.1	23.2	38.5	43.2	39.3	10.6
Kushiro	42	58	1.1	9.0	11.4	12.6	8.6	1.9
Obhiro	42	56	2.3	15.7	16.5	19.6	21.2	4.3
HONSHU								
Aomori	40	51	6.7	18.1	36.2	42.0	35.0	4.7
Towarda	40	26	1.5	42.0	66.9	84.2	103.9	66.9
Akita	39	42	0.7	11.8	25.1	16.1	---	---
Moroika	39	41	2.3	9.0	10.6	9.8	6.3	---
Miyako	39	38	---	9.0	5.9	7.8	4.7	0.7
Kamaishi	39	30	---	2.3	2.7	5.1	2.3	1.5
Tsuruoka	38	42	9.0	19.6	35.0	41.7	40.0	16.5
Yamagata	38	15	---	15.7	17.7	15.3	9.0	0.7
Fukushima	37	45	---	6.3	6.3	7.0	3.9	3.1
Nagaoka	37	26	---	22.0	42.9	39.3	32.6	2.3
Takada	37	06	---	25.9	52.9	67.8	52.7	14.5
Onahama	36	55	---	0.4	0.4	1.2	1.2	---
Kanazawa	36	32	---	8.2	29.1	32.6	8.2	---
Fukui	36	3	---	14.5	29.1	33.0	14.9	---

b. Paddy Land. The flooded rice paddy is a characteristic type of surface condition. In the period of inundation (usually June through October) crossing these rice fields involves wading through ankle-to-knee-deep water or following the winding dikes. In the fall the paddies may be drained and resown to dry crops, or they may be allowed to lie fallow through the winter; in the latter case they may remain wet.

c. Insects and other Pests. Protective measures should be taken against insects throughout Japan during the warm months. The period of insect activity varies from twelve months in Zone II to four months in the northern part of Zone V. Common disease-carrying insects present in the area include: mosquitoes (both Anopheles and Aedes), the common house fly, sandflies (not usually found north of southern Honshu), horse flies, gad-flies (especially in northern Honshu and Hokkaido), and black gnats (chiefly in Hokkaido). For the most part, these insects are found in the lowland areas and adjacent hills. Flooded rice paddies and quiet pools of water are the natural habitat of many and should be avoided as much as possible. Personal anti-insect items should be available for use according to individual preference.

Aside from the foregoing insects, there are present in the region pests of military significance against which the regular anti-insect items are not adequate. Body lice, fleas, ticks and mites are found here, and

TABLE 5: CLOTHING REQUIREMENTS SUMMARY FOR JAPAN

(Clothing items composing Warm, Cool, Cold and Very Cold groups are listed in following tables)

AREA	(feet)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
II-A	-----		COOL					WARM					COOL
II-B	-----		COOL					WARM				COOL	
III-1	below 2,000		COLD		COOL			WARM			COOL		COLD
	2,000-4,500		COLD					COOL					COLD
	above 4,500			COLD				COOL				COLD	
V-1	below 2,000		COLD			COOL			WARM		COOL		COLD
	2,000-4,500			COLD					COOL				COLD
	above 4,500	V. COLD				COLD			COOL				COLD
V-2	below 2,500		COLD			COOL			WARM		COOL		COLD
	2,500-5,000			COLD					COOL				COLD
V-3	below 2,500			COLD					COOL				COLD
	2,500-5,000	V. COLD				COLD			COOL				COLD

sanitary and medical safeguards may be needed.

5. CLOTHING SUMMARY

Clothing needs for Japan are shown in detail in the Clothing Requirements tables at the end of this Almanac. For convenience, they are here summarized in four groups, each suitable for wear in areas where average temperatures are generally between certain values:

- WARM Weather Clothing, Above 68°F
- COOL Weather Clothing, 50 to 68°F
- COLD Weather Clothing, 14 to 50°F
- VERY COLD Weather Clothing, below 14°F

For each Clothing Requirement Area, as shown on the Almanac map, the months during which each of these groups of clothing items is suitable for wear are indicated in Table 5. The clothing items making up each group (Tables 6, 7, 8, and 9) 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, where housing usually is not provided, and their troops must have clothing suitable for 24-hour living outdoors. In addition, these tables indicate possible deletions or substitutions of items for use by troops of Class D and E units, whose normal working and living conditions, at airfields and other permanent or semi-permanent installations, where housing is provided, are not as rigorous.

TABLE 6: WARM WEATHER CLOTHING FOR JAPAN
(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, complete	1	-
Socks, wool, cushion sole	1	2
Insoles, ventilating (with Boots, combat, tropical)	1	-
Boots, combat, tropical (except Zone V)	1	1
Boots, service, combat, russet (in Zone V only)	1	1
Blanket, wool, od or Blanket, lightweight	1	-
Anti-insect	1	-

CLASS D & E TROOPS

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

Raincoat . . . (in lieu of Poncho)	1	-
Shirt & Trousers, cotton, khaki	1	2

TABLE 7: COOL WEATHER CLOTHING FOR JAPAN

(Average Monthly Temperatures
50°F 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, wool, od	1	1
Trousers, field, cotton, od	1	-
Suspenders, trousers	1	-
Sweater, high neck	1	-
Jacket, field	1	-
Poncho, lightweight, od	1	-
Cap, field, cotton, od, w/visor	1	-
Hood, jacket & overcoat	1	-
Helmet, steel, complete	1	-
Glove-inserts, wool	1	1
Glove-shells, leather	1	-
Socks, wool, cushion sole	1	2
Boots, service, combat, russet	1	-
Bag, sleeping, wool	1	-
Case, water repellent, bag, sleeping	1	-
Anti-insect items	1	-

CLASS D & E TROOPS

Essentially the same as for A, B, and 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	--
Jacket & Trousers, herringbone twill	1	1
Cap, herringbone twill	1	--
Belt, waist, web (with Trousers, herringbone twill)	1	--
Blankets, wool, od (in lieu of Bag, sleeping, w/case)	2	--

TABLE 8: COLD WEATHER CLOTHING FOR JAPAN
(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	1
Shirt, flannel, od	1	1
Trousers, field, wool, od	1	1
Trousers, field, cotton, od	1	1
Suspenders, trousers	1	-
Sweater, high neck	1	-
Jacket, field	1	-
Jacket, field, pile, od (at temperatures below 32°F)	1	-
Poncho, lightweight, od	1	-
Parka & Trousers, field, overwhite (in snowy areas only)	1	-
Cap, field, cotton, od, w/visor	1	-
Helmet, steel, complete	1	-
Hood, jacket & overcoat	1	-
Muffler, wool, od	1	-
Glove-inserts, wool	1	1
Glove-shells, leather	1	-
Glasses, sun, w/case	1	-
Mittens, overwhite (in snowy areas only)	1	-
Socks, wool, ski	2	4
Insoles, felt	1	1
Shoepacs, 12-inch	1	-
Bag, sleeping, mountain	1	-
Case, water repellent, bag, sleeping	1	-

CLASS D & E TROOPS

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

Jacket, wool, od	1	-
Overcoat, wool, od (in lieu of Jacket, field, pile)	1	-
Cap, field, pile, od (drivers, etc., only)	1	-
Boots, service, combat, russet (in lieu of Shoepacs)	1	1
Overshoes, Arctic (with Boots, service, combat, russet)	1	-
Socks, wool, cushion sole (with Boots only)	1	2
Blankets, wool, od (in lieu of Bag, sleeping, w/case)	2	-
Jacket & Trousers, herringbone twill	1	1
Parka & Trousers, wet weather	1	-
Raincoat (in lieu of Poncho)	1	-

TABLE 9: VERY COLD WEATHER CLOTHING FOR JAPAN
(Average Monthly Temperatures
Below 14°F)

<u>CLASS A, B, & C TROOPS</u>	<u>WEAR</u>	<u>SPARE</u>
Undershirt & Drawers, cotton, od	1	2
Undershirt & Drawers, winter	1	1
Shirt, flannel, od	1	1
Trousers, field, wool, od	1	1
Trousers, field, cotton, od	1	1
Suspenders, trousers	1	-
Sweater, high neck	1	-
Jacket, field, pile	1	-
Parka-liner, pile & Parka-shell, cotton	1	-
Parka & Trousers, field, overwhite (snowy areas only)	1	-
Cap, field, cotton, od, w/visor	1	-
Helmet, steel, complete	1	-
Mask, cheek protector, Arctic	1	-
Muffler, wool, od	1	-
Glasses, sun, w/case	1	-
Mitten-inserts, trigger-finger	1	1
Mittens, Arctic	1	-
Mittens, overwhite (snowy areas only)	1	-
Socks, wool, cushion sole	1	2
Socks, wool, ski	2	4
Boots, Arctic, felt	1	-
Insoles, felt	1	1
Bag, sleeping, Arctic	1	-
Case, water repellent, bag, sleeping	1	-

CLASS D & E TROOPS

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

Jacket, wool, od (in lieu of Sweater, high neck)	1	-
Cap, field, pile, od (drivers, etc., only)	1	-
Shoepacs, 12-inch (in lieu of Boots, Arctic, felt)	1	-

6. SUPPLEMENTARY ARMY PUBLICATIONS

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

- a. FM 21-15: Individual Clothing and Equipment. (April 1945). Emphasis is placed on the care of clothing and equipment and the methods of assembling and packing.
- b. FM 70-10: Mountain Operations. (December 1944). Chapter 1, General Considerations; Chapter 4, Conditioning and Acclimatization; Chapter 6, Weather; and Chapter 7, Winter Characteristics, discuss the relationship between the soldier and the mountain environment.
- c. FM 70-15: Operations in Snow and Extreme Cold. (November 1944). Chapter 3, Clothing, is a generalization of TM 10-275; Chapter 5, Snowshoes; Chapter 6, Skiing; and Chapter 9, Equipment, are of special interest.
- d. TM 10-228: Fitting of Shoes and Socks. (February 1946). The importance of proper shoe fitting methods, foot measuring equipment and procedure, sock fitting and size correlation, and sizes for boots and shoes including approved sock combinations, are the more important sections of this manual.
- e. TM 10-275: Principles of Cold Weather Clothing and Equipment. The proper use, care, and maintenance of cold weather clothing and equipment are discussed for the principal items protecting the body, the feet, the hands, and the head. The principles of insulation on the layer basis, proper fitting and sizing of clothing, the importance of clean, dry clothing, and the relationships between body activity and clothing amounts are emphasized. Specifications are furnished as to the actual temperature when certain outer protective items of clothing and equipment are to be worn.
- f. TB 10-275-1: Wet-Cold and Dry-Cold Uniforms: Standard Components and Authorized Substitutions. (September 1951).

g. Clothing Almanacs

- No. 7 Eastern U. S. S. R.
- No. 10 China and Korea
- No. 18 Southeast Asia
- No. 19 Indonesia and the Philippines

TABLE 10: CLOTHING REPLACEMENTS FOR JAPAN

(S means Standard; L, Limited Standard; B, Substitute Standard)

ITEMS IN CLOTHING ALMANAC	REPLACEMENT ITEMS
Shirt, flannel, od (B) . . .) Sweater, high neck (B) . . .) . . .	Shirt, field, wool, og 108 (S)
Jacket, field (L) w/hood, jacket & overcoat (L) . . .	Jacket Shell, field, M-1951 (S) w/hood, jacket, M-1951 (S)
Jacket, field, pile, od (L)	Liner, jacket, field, M-1951 (S)
Trousers, field, cotton, od (L) . . .	Trouser Shell, field, M-1951 (S)
Trousers, field, wool, od (S)	Liner, trouser, field, M-1951 (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, cotton, od (L)	(Parka-shell, M-1951 (S) (Parka-liner, M-1951 (S) (Hood, parka, M-1951 (S)
-----	Trouser Shell, Arctic, M-1951 (S)*
-----	Liner, trouser, Arctic, M-1951 (S)*
Shoepacs, 12-in. (B) w/2 pr. socks, wool, ski; 1 pr. insoles, felt . . .	Boots, combat, rubber, insulated (S) w/1 pr. socks, wool, cushion sole

* Trouser Shell, Arctic, M-1951 and Liner, trouser, Arctic, M-1951 are items developed to provide additional lower body insulation under Very Cold Weather conditions; no comparable items are listed in the Clothing Requirements tables. These items are meant to be worn over the Trouser Shell, field, M-1951 and the Liner, trouser, field, M-1951 at the same time need is indicated for the Parka-shell and Parka-liner. The Liner, trouser, field, M-1951 replaces Trousers, field, wool, od as lower body insulation only when worn under Very Cold Weather conditions in conjunction with Arctic trouser shell and liner.

7. CLOTHING REQUIREMENTS TABLES

Although the listings of Tables 5, 6, 7, 8, and 9 are convenient for preliminary planning, the more precise listings of the Clothing Requirements tables should be used for detailed estimates of clothing needs. In establishing the requirements as shown in these tables, the normal variations from year to year have been considered. Nevertheless, the lengths of the seasons may vary so much in certain unusual years that some items may be required for longer or shorter periods than indicated. Since an attempt is made to show clothing needs for troops engaged in most types of activities, the Clothing Requirements tables sometimes indicate need at the same time for items that are not meant to be worn simultaneously. Duplicate items may also be indicated where conditions vary so much locally that no single item will be entirely satisfactory throughout the area.

The 12 tables of Clothing Requirements for the 6 Areas of Japan are arranged according to Clothing Allowance Zones; those for Zone II are followed by those for Zones III and V. Within each Zone, the tables for nonmountainous areas come first, in alphabetical order; the mountain area tables follow in numerical order, with the tables for the lowest elevation of each area coming first, then for upper levels in ascending order. Areas to which the tables apply are shown on the folding map in the back.

All listings in the Clothing Requirements tables, as well as those throughout the Almanac, 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. Table 10 indicates some replacements applicable to Japan.

CLOTHING REQUIREMENTS

JAPAN 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

JAPAN 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)												

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

JAPAN III-1 (below 2000 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 5/25/80

CLOTHING REQUIREMENTS

JAPAN III-1 (2000 to 4500 ft.)

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

VI 5/25/50

————— Item usually required in this month

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

CLOTHING REQUIREMENTS

JAPAN V-1 (below 2000 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/lpr. socks, wool, cushion sole; 2pr. socks, wool, ski; lpr. insoles, felt, OR Boots, mukluk, w/lpr. socks, wool, cushion sole; 2pr. socks, wool, ski; lpr. socks, felt; 2pr. insoles, felt												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service; w/lpr. socks, wool, cushion sole												
* Shoe-pacs, 12 in., w/2pr. socks, wool, ski; lpr. 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

JAPAN V-1 (above 4500 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/lpr. socks, wool, cushion sole; 2 pr. socks, wool, ski; lpr. insoles, felt, OR Boots, mukluk, w/lpr. socks, wool, cushion sole; 2 pr. socks, wool, ski; lpr. socks, felt; 2 pr. insoles, felt.												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service; w/lpr. socks, wool, cushion sole												
Shoepacs, 12 in. w/2pr. socks, wool, ski; l pr. insoles, felt.												
HANDGEAR												
Glove-shells, leather, w/2 pr. inserts, wool.												
* Mitten-shells, w/2pr. inserts, trigger-finger.												
* Mittens, Arctic, w/2 pr. inserts, trigger-finger.												
* Mittens, overwhite.												
HEADGEAR												
Cap, field, cotton, od, w/visor.												
Cap, field, pile, od, MQ-1												
* Mask, cheek protector, Arctic.												
Muffler, wool, od.												
SLEEPING EQUIPMENT												
* Bag, sleeping, Arctic												
* Bag, sleeping, mountain.												
* Bag, sleeping, wool												
* Blanket, wool, od.												
* Case, water repellent, bag, sleeping												
OTHER ITEMS												
* Anti-insect (See Introduction).												

VII 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

JAPAN V-2 (below 2500ft.)

	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

JAPAN V-3 (below 2500 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; 2 pr. 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.

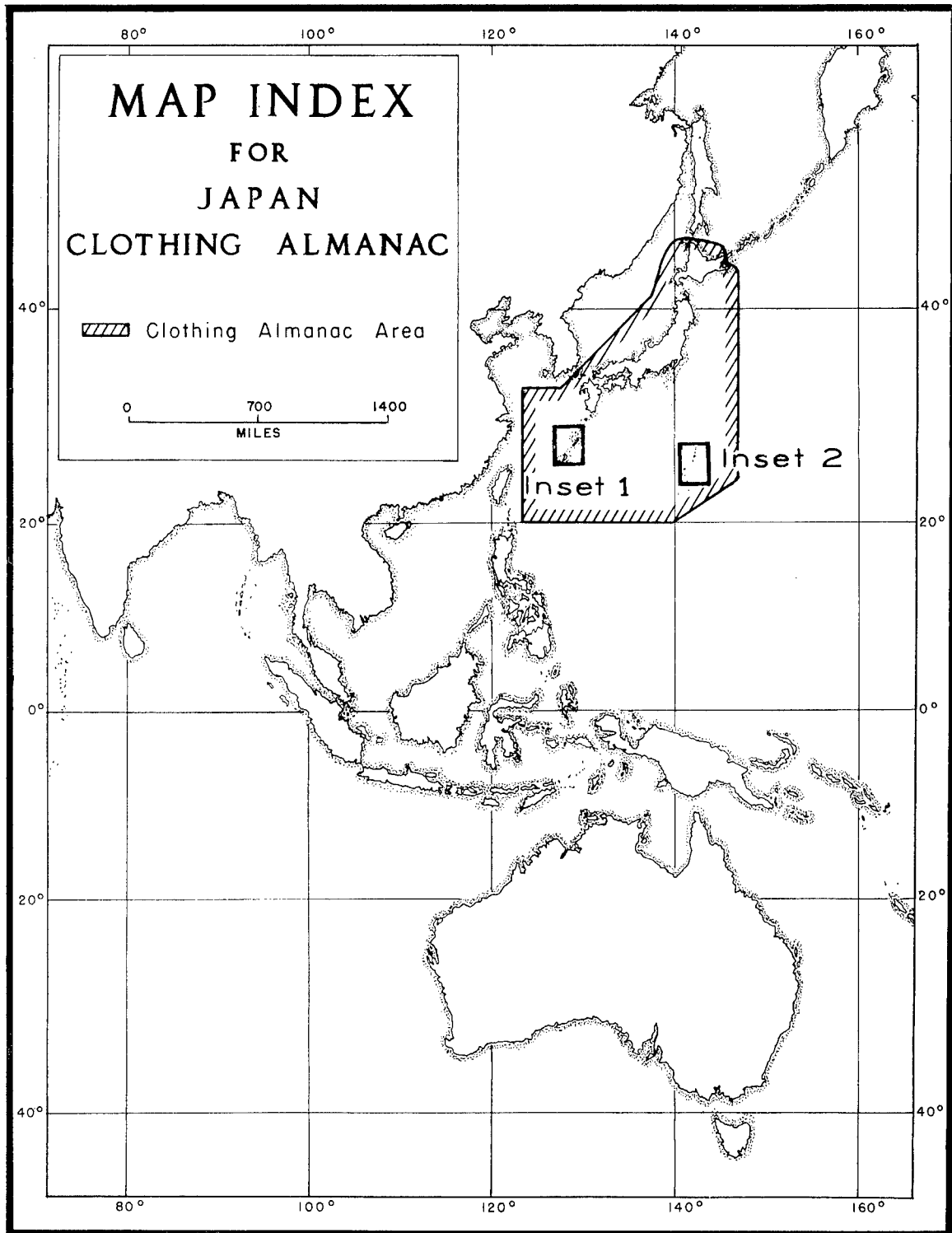
CLOTHING REQUIREMENTS

JAPAN V-3 (2500 to 5000 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/lpr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. insoles, felt, OR Boots, mukluk, w/lpr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. socks, felt; 2 pr. insoles, felt.												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service; w/lpr. socks, wool, cushion sole												
Shoepacs, 12 in., w/2 pr. socks, wool, ski; 1 pr. insoles, felt												
HANDGEAR												
Glove-shells, leather, w/2 pr. inserts, wool.												
* Mitten-shells, w/2 pr. inserts, trigger-finger.												
* Mittens, Arctic, w/2 pr. inserts, trigger-finger.												
* Mittens, overwhite.												
HEADGEAR												
Cap, field, cotton, od, w/visor												
Cap, field, pile, od, MQ-1												
* Mask, cheek protector, Arctic.												
Muffler, wool, od.												
SLEEPING EQUIPMENT												
* Bag, sleeping, Arctic												
* Bag, sleeping, mountain.												
* Bag, sleeping, wool												
* Blanket, wool, od.												
* Case, water repellent, bag, sleeping												
OTHER ITEMS												
* Anti-insect (See Introduction).												

VII 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 ALMANAC NO. 1 (REVISED)

JAPAN

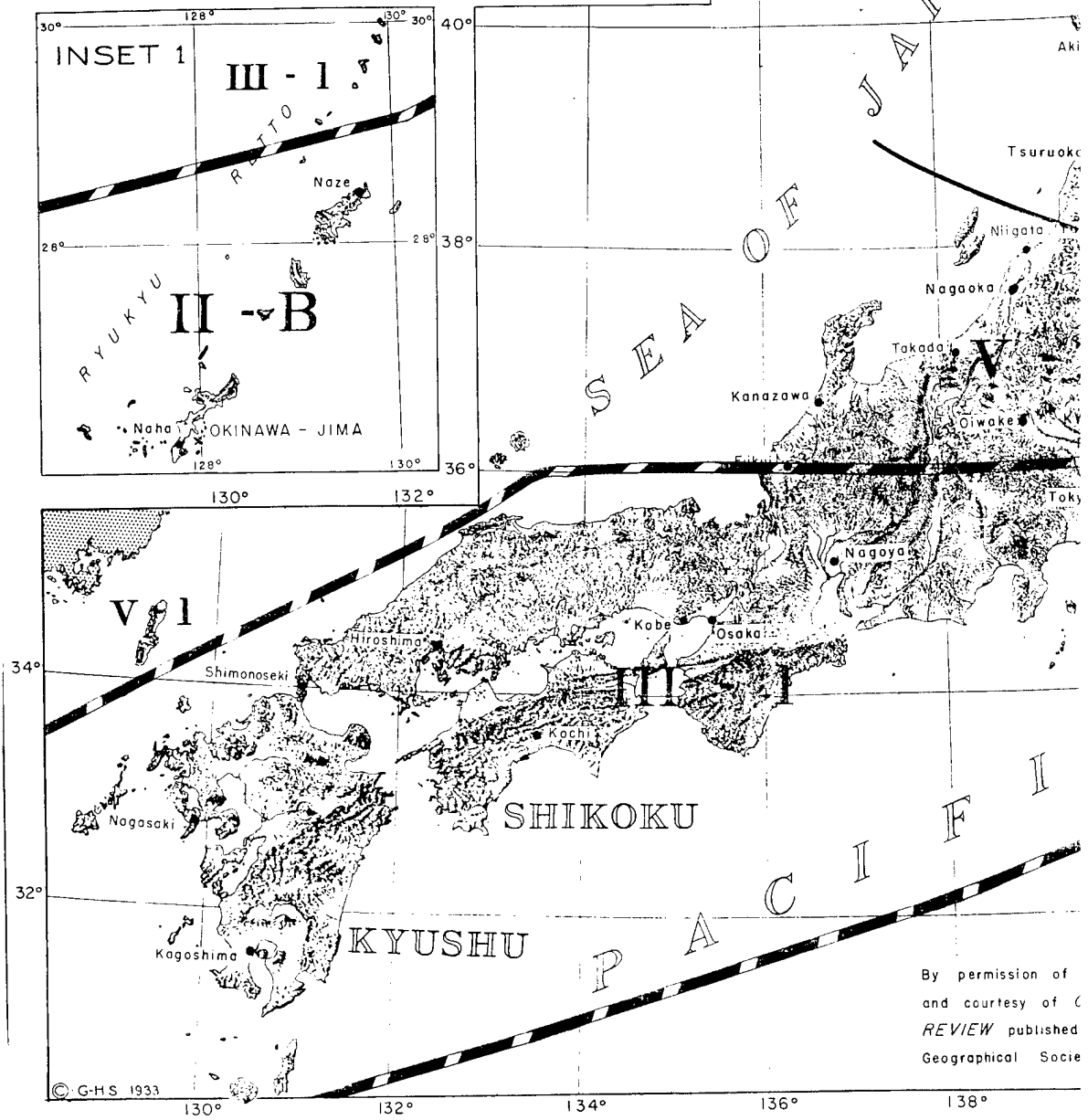
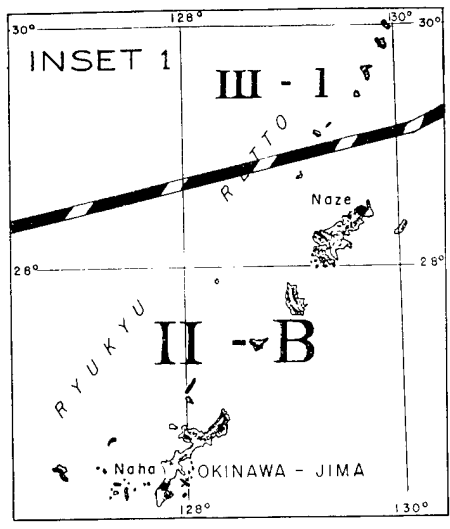
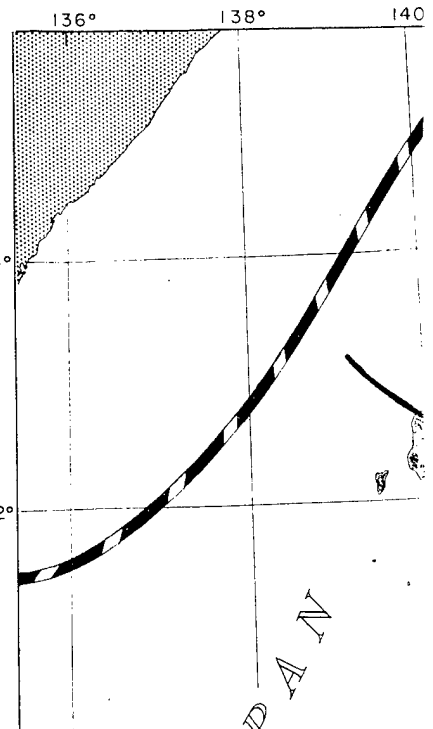
CLOTHING REQUIREMENT AREAS

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

 Clothing Allowance Zones
 Clothing Requirement Areas

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

0 100 200
MILES



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