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HEADQUARTERS  
U.S. STRATEGIC BOMBING SURVEY  
(PACIFIC)  
APO 234  
C/O POSTMASTER, SAN FRANCISCO

INTERROGATION NO: 394

PLACE: OSAKA, Japan  
DATE: 17 Nov 45

Division of Origin: Medical Division

Subject: Medical Supplies; Drug Imports for 1941; other statistics

Personnel interrogated and background of each:

Dr KIMATSU, I - Head of Pharmaceutical Affairs Section, OSAKA Fu.

Where Interviewed: Prefectural Office, OSAKA

Interrogator: Harold B Hilton, Lt Col, MAC

Interpreter: Mr Matsuno

Allied Officers Present: None

SUMMARY

Dr KIMATSU stated that since 1943, drugs had become so scarce that there was bad health all over Japan. After the bombings there were some stocks still remaining, and the people can use them, but according to the Doctor, vaccines and serums are not available. Asperin and phenacetin are very scarce.

In addition to the data given in the following charts, Dr KIMATSU submitted a list of the leading factories that were bombed, the location, date of bombing, principal products made in each factory, and percent of bomb damage.\* From the information he provided, it should be possible to analyze the extent of damage to drug manufacturing in Japan, providing these tables can be checked for accuracy of factual content.

\* This list is now being translated.

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Japanese Imports of Drugs in 1941

<u>From UNITED STATES</u>	<u>Quantity</u>	<u>Item</u>	<u>Quantity</u>
<u>Item</u>	<u>Kilograms</u>		<u>Kilograms</u>
Benzoic Acid	92,500	Pyridine (sulfapyridine)	16,777
Acetaceticester (Amidopyrin Vitamin B <sub>1</sub> )	132,330	Insulin	600 c.c.
Iso-amylalcohol (Bromisovalerianyl-urea)	11,000	Barbital	10,364
Emetin Hydrochloride (1940--40 kilograms)	10	Cacao Butter	40,000
Cascara Sagrada	37,730	Phenolphthalein	15,995
Senega (senega snakeroot)	30,055	Chloral Hydrate	3,400
Calcium Glycerophosphate	7,500	Milk Sugar (Lactose)	302,714
Ergot	4,000	Liquid Paraffin	25,000
Thymol (1940--7,500 kg)	1,000	Resorcin	4,000
		*Borax	1,800,000
		*Boric Acid	360,000
*These two figures include imports for industrial purposes			
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<u>From GERMANY</u>			
Atophanyl	2,100	Thebaine	200
Creosote	66,000	Narcotine	100
Germanin	400 Amp	Atebrin & Prasmochin	?
Theobromine	11,200		
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<u>From SWITZERLAND</u>			
Scopolamine Hydrochloride	4.5	Apomorphine Hydrochloride (1940)	3
Atropine Sulphate (1940--90 kg)	43	Homatropin Hydrochloride (1940)	2.5
Pilocarpine Hydrochloride	40	Homatropin Hydrobromide (1940)	8
Papaverin Hydrochloride	80	Eserin Sulphate (1940)	6
Nupercaine	170	Eserin Salicylate (1940)	1
		Chlorine Acetate (tt) (1940)	288
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<u>From NETHERLANDS</u>			
Quinine Sulphate	51,000	Cincona Bark	855,533
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<u>From SOUTH AMERICA</u>			
Ipecac	11,497	Jalap	10,007
Copaiva	21,600	Condurango Bark	99,841
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<u>From INDIA</u>			
Cubeb	19,700	Santal Wood (1940)	95,450
Senna Leaves	89,800		
Also other drugs from plant sauces:		e.i. Gatechu (Tannin), Homica (Strychnine)	
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<u>From SOVIET RUSSIA</u>			
		Santonin (1940--2,700 kg)	1,707
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<u>From SIAM</u>			
		Chaulmoogric Seeds	179,000
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<u>From FRANCE OR SPAIN</u>			
Uva Ursi Leaves	32,000	Gentian Roots (1940-118,00 kg)	26,000
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<u>From CHINA</u> Chinese drugs from plant sauces.			
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The following drugs were unavailable in Japan after June 1942:

Emetin Hydrochloride	Ergot	Vaselin
Sautonin	Scopolamine Hydrochloride	Pilocarpin
Thebaine	Anomorphin Hydrochloride	Hydrochloride
Ipec Roots	Theobromine	Homatropin
		Hydrochloride
		Cacao Butter
Quinine	) From Siam. During the war these three items came	
Cinchona Bark	) from the Dutch East Indies.	
Chaulmoogric Seeds (oil)	)	

In 1943, Japan was able to manufacture: \*

<u>Drug</u>	<u>Quantity</u>	<u>Name &amp; Location of Factory</u>
Thymol	6.201	HOKKAIDO Chemical Industry Co
Benzoic Acid		MITSUI Chemical
Calcium Glycerophosphate	13.904	TAKEDA; IWAKI
Milk Sugar	247.175	ARAKAWA
Casein	?	HOKKAIDO KONO-KOSHA
Barbital	5.623	TAKEDA; DAI ICHI; SHIONOGI
Phenolphthalein	6.365	MITSUI
Chloral Hydrata		DAI ICHI
Resorcin	6.562	NAIKOKU CHEMICAL Co.
Sautonin	275.	NIPPON SHINYAKU Co.

\*This list only includes former importations from other countries.

DRUG IMPORTS IN YEN VALUE FOR 1941

United States	Y	3,205,773
Germany		668,362
Switzerland		190,776
Netherlands		4,134,886
South America		216,177
India (English)		214,789
Other Countries		2,971,721
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TOTAL	Y	11,602,484