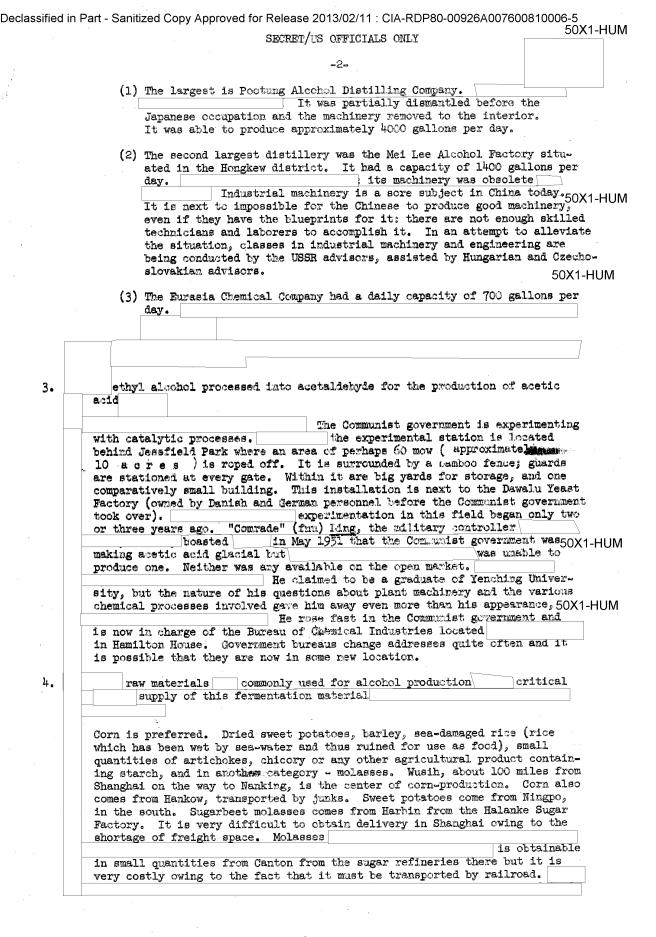
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CENTRAL INTELLIGENCE AGENCY

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	All of these materials are needed for food and are in short supply.  However, they are requisitioned by the government inasmuch as alcohol is needed for "medicinal" and chemical use.	
	alcohol used as a motor fuel motor benzol	
	Enough gasoline is available. It is not of very good quality and is bad- smelling (of sulphur fumes). But the supply is sufficient to make the use of alcohol unnecessary. A small quantity of motor benzol is available, pro- duced by the Shanghai Gas Company.	
	uses for fusel oil? available in China	
	The Farimem Company is the only Shanghai company which produces fusel cil. It produces 40 gallons a month. The other firms have continuous refining stills (wherein there is no separation of fusel cil). Its primary use is for producing amyl acetate for technical use (ie solvent for lacquer paints). A small quantity is used for flavoring (such as artificial banama cil), and is also converted into valeric acid and its esters. The price of flavorings is high, and there is a ready market for it. It is bought mainly by candy manufacturers, mineral water manufacturers, and makers of cigarettes and cigars. (The sugar used with it comes from Poland and is available in large quantities.) "Comrade" Ling told that the government was importing large quantities of fusel cil from Manchuria. He mentioned a particular shipment of 2000 gallons transported by rail. The Farimem Company formerly collected its fusel cil for two years, waiting until there was a sufficient quantity for dehydration and refinement. The usual process consisted of dehydration by calcium chloride and rectification into the fractions of isopropyl alcohol, isobutyl alcohol and active amyl and isoamyl alcohol. The residue was not usually used. (There are still some higher alcohols to be isolated but since no use existed for them they were not processed. In order to obtain them it would have been necessary to install a complicated vacuum type machine which would have been impossible to construct in China.)	50X1-HUM
	Shanghai's requirements for caustic soda, soda ash, bleaching powder and hydrochloric acid?	
	the dyeing factories use the greatest portion of these products for dyeing the regulation Communist workmen's uniform. (Only the military officials wear clive drab.) Caustic soda is currently manufactured in Shanghai by the Yung Lee Soda Factory. It is produced in a very primitive way and sold in liquid, rather than the usual solid form. The same factory also produces bleaching powder of about 50% chlorine content. In addition to its use in the dyeing industry bleaching powder is used in quantity for disinfecting water and treating swimming pools (there are still several public and private pools in use in Shanghai). Sulphuric acid, used by distilleries, is produced in Shanghai by the Kiangsu Chemical Works in large quantities. It has a technical quality of 98% (66° Be).	
	the major industries consuming the chemicals listed above	
	Government dyeing works, textile industries, state-operated pharmaceutical and medical centers and hospitals. Fusel oils are purchased by small private firms.	
	chemicals made in Shanghai imported	` .
	No statistics are available to the general public: if they are ever tabulated at all they are never published and inasmuch as it is impossible to make inspection trips under the Communist government this question must be answered	

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in the most general terms of rumor and guess. In these terms	
all top quality chemicals, and medical and pharmaceutical supplies are	
imported. In many cases they are repackaged and sold under Chinese labels.	
The supply is entirely inadequate. As a conservative estimate more than five	
times as much as is available could be put to immediate use.	
several truckloads of acetic acid arriving in Shanghai,	
was packed in wooden barrels painted	
red (an internationally recognized way of packing this product). Each bar-	
rel contains 400 pounds. Other top quality chemicals are smuggled in	
chemical imports most important with respect to Shanghai's chemi-	
Caustic soda is one of the most important, for the textile and dyeing industries. Sulphuric acid, bleaching powder and large quantities of fertilizers	
are priority imports. There was a rumor in June 1954 that the government	
was beginning to manufacture ammonium sulphate in a plant located near Nan-	
king. its capacity was nearly 10 tons a day (but	
they are happy if they obtain one ton per day).	
textile processing chemicals imported into Shanghai	
bleaching powder, caustic	
soda, acetic acid and dyestuffs. Domestic production is insufficient and	*
because the supply is inadequate, the prices are out of sight.	2
because the supply is instequate, the piles are the out of signs.	
important dyestuffs produced domestically in Shanghai	
Some carbon black is being made, but in small quantities only. Some mineral pigments, such as chrome yellow are being produced, but on an experimental	
scale only. one was experimenting in this line and	50X1-HI
is still there is a former flyer, half Chinese and half	30X1-110
Japanese. He is called Wu Hsiao-chieh	50X1-HL
Before his experimentation with chrome yellow Wu spent some	
time in jail being questioned in connection with an explosion in a cellulose	
nitrating plant he had worked in. Because of the bad safety precautions,	
explosions of this nature are common in China, and since the Commonists	
always need a scapegoat, some employee is picked out for the bearing of	
the blame. Wu's friend (fnu) Liang, a former newspaperman and teacher of	
journation. Aside from these small	
efforts, there is no important activity in this field.	
errorog, onere up no important accitated in ours rient.	
the Tien Lee Nitrogen Works	
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(1) Through domination by the labor union. All workmen are obliged to belong to the union, whose elected spokesman then requires the owner to provide office space and meals for one or more high level union officials (actually they are labor bureaucrats). The officials then post a schedule for required indoctrination. In most factories classes meet for two hours before the working day begins and for two hours afterwards. To miss one of these classes involves severe punishment; the laborer can be dismissed for non-attendance and will be automatically blacklisted for employment elsewhere. There have been some exceptions, when low communist officials have been related to workmen and have closed their eyes to absences, but these seem to occur on a low level only; the higher echelons of officialdom are stricter. Wages, working hours and social provisions are dictated by the union bosses. No appeal is allowed the private owner.

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If there is any question or resistance on the part of an owner he is likely to be forcibly detained in his offices or in the offices of				
the labor bureau for as long as 10 days. This has happened to several				
One Maria Hangi, Shanghai representative of				
the medical supply firm was detained in 50X1-HUM				
home agest and the state of the				
her offices for two days and argues white negotiations were taking				
place for the closing of the branch. The workmen asked an enormous				
amount of severance pay. The government regulation requires that				
the owner pay three months' salary as severance, but it is rare				
that the unions' members are satisfied with only three months salary.				
firm had to pay one month's salary for each year the				
laborer had worked, in addition to eight months' salary per man. 50X1-HIIM				

(2) Another means of control is through the assignment of a military controller to the premises. This official is usually accompanied by a technical expert. The controller takes over the financial end of the business and the technician supervises machinery and labor. Bank records, books and safes are immediately sealed by the controller. The 'technician' brings in his own men and assigns them to strategic factory positions.

50X1-HUM after the Communists took over four political men were assigned to each 10 men employed, to watch and report on their actions and reactions. The controller and technician then take over the best office space and begin their reorganization of the factory on communist lines. The owner is relegated to some small closet somewhere and is usually most happy to accept whatever he

(3) If neither of the above controls is considered adequate, a tax bureau representative arrives and demands to see the company books. good Office space is requisitioned and all records are opened to him. He then proceeds to find taxable flaws in books and records until he has whittled down the cash surplus sufficiently to ruin the business. During the course of such machinations, no shipment can leave the factory until the tax representative has inspected, sealed and stamped it. Inasmuch as he is free to come and go as he likes, there have been many instances of work stoppage for considerable periods until such time as the tax official has decided to reappear in his office, or if there, to seal and release the shipment. Technical representatives who are often in utter ignorance of the machinery they supervise, have been known to put entire plants out of commission by speeding up the revolutions per minute of machines which are obviously not designed for higher speeds, and by making other easily avoidable blunders. Hard won efficiency in the chemical production field has hit a new low with communist supervision.

is offered by the Communists for his property. What was no wall on a

20. Market prices of chemicals

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Acetic Acid: In January 1951 imported acetic acid could be obtained for JMP\$9500 per pound. In March 1954 the same acid cost JMP\$38 thousand (equal to US\$1 on the black market). The locally made variety was market listed at JMP\$27 thousand but none was available. Even the imported variety at JMP\$38 thousand was scarce. One of the last remaining private chemical producing plants was buying at JMP\$50 thousand per pound from the local Utopia Chemical Laboratories, located in the Hongkew district. The quality was adequate (it was obviously repackaged, imported acid).

Sulphuric Acid: In 1950-51 sulphuric acid made by the Kiangsu Chemical Works cost JMP\$2500 per pound. In March 1954 it cost JMP\$3500.

Amyl Acetate: In January 1951 the chemically pure quality was obtainable at JMP\$40 thousand per pound. In March 1954 the same quality cost JMP\$80 thousand.

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Ethyl Acetate: In January 1951 the price per pound was JMP\$21 thousand. In 1954 it was doubled: JMP\$42 thousand. This price was for the technical quality (usually 40% cheaper than the chemically pure quality).

Orange Oil, Common: There was almost no cargo on the market in March 1954. Old cargo, which was sometimes spoiled, cost JMP\$70 thousand per pound. (Exchange rate was then JMP\$24 thousand to US\$1, the black market rate from JMP\$33 thousand to JMP\$40 thousand.)

Orange Oil, Good Quality: In March 1954 it cost JMP\$600 thousand per pound. Sellers paid 20% tax.

Orange Oil, Terpeneless: In March 1954 the price was JMP\$2,800,000, approximately US\$112. (The US current price is \$60.)

Lemon 011, Common: In March 1954 the price was JMP\$50 thousand per pound. (It was usually spoiled.)

Lemon Oil, Good Quality: March 1954, JMP\$500 thousand.

Lemon Oil, Terpeneless: March 1954, JMP\$4,800,000.

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(The above prices. are listed in the Pharmaceutical and Chemical Guild Price List published in December 1952. This list was still in use in March 1954. Since there are no characters in Chinese for the different oils, they are listed in English.)

Alcohol: In January 1951 96% alcohol was easily obtainable at JMP\$7 thousand per pound. Shortages began to develop in that year and at the end of 1952 the price had climbed to JMP\$28 thousand. In March 1954 the price dropped to JMP\$13 thousand.

Amyl Alcohol, Rectified: In March 1954 it was obtainable at JMP\$50 thousand per pound.

Fusel Oil, Hydrous: March 1954, JMP\$18 thousand per pound.

Liver Injection: The locally made government-produced

ampoules (1 cc containing one international unit of active Vitamin B Complex) sold for JMP\$10 thousand per 10 ampoules.

Gasoline: In March 1954 one liter cost JMP\$18 thousand.

Iridium Alloys: An alloy containing platinum and iridium made into ballpoints for pen manufacture sold at JMP\$6 million per ounce. (Each ounce contained approximately 6000 ballpoints. Great quantities of these pens are manufactured in government factories. The point is welded onto the nib of a cheap pen and the nib is split. The pen sells for approximately US\$.50 - they are of very poor quality.)

50X1-HUM

50X1-HUM

21. Imported medical supplies smuggled through are very expensive and their well-known superiority to the local products nettles the local health authorities. For example, between January and March 1953 many doctors in 50X1-HUM Shanghai prescribed Rimifon, a patent medicine made by a well-known firm for the treatment of certain types of tuberculosis. Results from use of the drug were so good that its fame spread rapidly and countless Chinese were getting it sent to them in Shanghai by friends and relatives

50X1-HUM In March 1953 the Department of Public Health in Kiangsu Road in

Shanghai issued a pronouncement that Rimifon had been found ineffective against tuberculosis and that importation was henceforth prohibited.

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