

610105

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

This Document contains information affecting the National Defense of the United States, within the meaning of Title 18, Sections 793 and 794, of the U.S. Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law. The reproduction of this form is prohibited.

25X1

SECRET

COUNTRY	Poland	REPORT	[REDACTED]
SUBJECT	Polytechnic Institute in Lodz	DATE DISTR.	26 July 1954
DATE OF INFO.	[REDACTED]	NO. OF PAGES	10
PLACE ACQUIRED	[REDACTED]	REQUIREMENT NO.	RD 25X1
		REFERENCES	25X1

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
THE APPRAISAL OF CONTENT IS TENTATIVE.
(FOR KEY SEE REVERSE)

25X1

- The Polytechnic Institute at Lodz is located on ul. Gdanska 155 and ul. Zwirki 37. The institute had been established by the Polish authorities in 1945. It is located in old, prewar factory buildings reconstructed for this purpose. The professors were transferred from the polytechnical institutes at Warsaw and Lwow.
- In 1945 the three main subjects taught at the institute were electrical engineering, mechanics, and chemistry. In 1948 textile engineering and in 1951 food analyzing were added. The latter was formerly a subject of the Chief School of Agricultural Economy in Lodz. However, following the transfer of the agricultural school from Lodz to Olsztyn the subject was added to the curriculum of the Lodz Polytechnic Institute.
- [REDACTED] Mechanical Section. Prior to being admitted to this section the applicant had to pass a special examination, the so-called "egzamin konkursowy", in which he was examined in mathematics, physics and politics. Students who pass this examination satisfactorily, with particular attention paid to political matters, are permitted to commence their studies.
- The year is divided into two semesters. To obtain a degree a study of eight semesters (four years) is required. At that time the student has to pass the final examination (praca dyplomowa) and submit some sort of proof that he has completed the required amount of practical work.
- Lectures are held every day (Sundays excepted) from 0800 to 1400 hours. The afternoons are reserved for laboratory work and exercises; sometimes the institute stays open as late as 2100 hours.
- The following is a breakdown of the subjects taught in the first and second year:

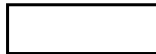
SECRET

25X1

STATE	<input checked="" type="checkbox"/> ARMY	<input checked="" type="checkbox"/> NAVY	<input checked="" type="checkbox"/> AIR	<input checked="" type="checkbox"/> FBI	<input checked="" type="checkbox"/> AEC	<input type="checkbox"/> OSI	<input type="checkbox"/> Ev	[REDACTED]
-------	--	--	---	---	---	------------------------------	-----------------------------	------------

(Note: Washington Distribution Indicated By "X"; Field Distribution By "#")

SECRET



- 2 -

a. First year (1st and 2nd semesters)

mathematics	10	hours	per	week
geometry	9	"	"	"
machines	5	"	"	"
physics (w/laboratory work)	7	"	"	"
technical drawing	8	"	"	"
work in metals (laboratory)	7	"	"	"
Casting of metals (laboratory)	3	"	"	"
Metallurgy	4	"	"	"

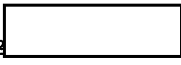
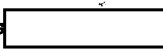
b. Second year (3rd and 4th semesters)

mechanics	10	hours	per	week,	semester	3
	8	"	"	"	"	4
testing of metals (strength)	7	"	"	"	"	3
(laboratory)	10	"	"	"	"	4
mathematics	6	"	"	"	"	3
	4	"	"	"	"	4
machine parts	12	"	"	"	"	3 and 4
work in metals (laboratory)	7	"	"	"	"	3 and 4
thermodynamics (laboratory)	7	"	"	"	"	3 and 4
chemistry	4	"	"	"	"	3
metals (general)	3	"	"	"	"	4
electrotechnics	5	"	"	"	"	4

7. After the successful completion of two years of studies the students are free to choose the field they wish to specialize in. The institute provides facilities for the following branches of engineering:

- a. construction of machines (maszynowa)
- b. " " turbines (turbinowo)
- c. " " cranes (dzwignie)
- d. work in metals (obrobka metali)
- e. technology (technologiczna)
- f. automobiles (samochodowa)
- g. boilers (kityl parowe)
- h. steam engines and carriages for rail transport (maszyny i pojazdy szynowe)
- i. paper industry.

Until 1949 matters pertaining to aviation were included in the above list of branches of engineering, but now it is only taught at the Polytechnic Institute in Warsaw. 25X1

8. From the above listed branches of engineering  turbines  25X1 curriculum for the third year was as follows:

steam turbines	6	hours	per	week,	semester	5 and 6
cranes	4	"	"	"	"	5 and 6
internal combustion engines	5	"	"	"	"	5
regulators for steam turbines	3	"	"	"	"	5 and 6
steam boilers	6	"	"	"	"	5 and 6
machine tools	4	"	"	"	"	5
technical measuring (laboratory)	5	"	"	"	"	5
metals (laboratory)	3	times	"	"	"	5
electrical machines (laboratory)	5	"	"	"	"	5
pumps (laboratory)	5	"	"	"	"	6

In addition the students are required to design boilers, cranes, internal combustion engines, etc. During the sixth semester the students have to visit a number of factories to familiarize themselves with work procedure and installations.

9. The following were the courses for the fourth year:

steam turbines	2	hours	per	week,	semesters	7 and 8
----------------	---	-------	-----	-------	-----------	---------

SECRET

25X1

SECRET

- 3 -

gas turbines	4	hours	per	week,	semesters	7 and 8
water turbines	4	"	"	"	"	7 and 8
	2	"	"	"	"	8
compressors & ventilators	4	"	"	"	"	7
	2	"	"	"	"	8
organization & management	2	"	"	"	"	7 and 8
economic science	2	"	"	"	"	7 and 8
Marxism & Leninism	2	"	"	"	"	7 and 8
lectures on the New Poland and the world	2	"	"	"	"	7

10. Every year lectures start on 1 October and cease at the end of June, with a recess from 1 to 15 February. During the summer holidays the students are required to perform practical work for one month in a factory chosen by the faculty board of the institute. During the last semester the students have to select a subject for their final examination (praca dyplomowa). Prior to the final examination and subsequent to the end of the eighth semester the students again have to perform four months of practical work in a plant chosen by the faculty board. Then they are admitted to the final examinations. In any event the examination must be passed by 1 February of the next year. The date of the final examination may be postponed only in case of sickness or for other special reasons. If a student has not completed his laboratory work by the end of the eighth semester, he has to extend his studies for practically another year.

11. Every year approximately 620 students matriculate at the institute. This number is broken down as follows:

a. mechanics	200	students
b. electrical engineering	120	"
c. chemistry	100	"
d. textile engineering	120	"
e. food analyzing	80	"

However, 30% to 40% of the students discontinue their studies prior to the final examinations. The total number of students attending the institute amounts to approximately 2000.

12. The following are members of the faculty 25X1

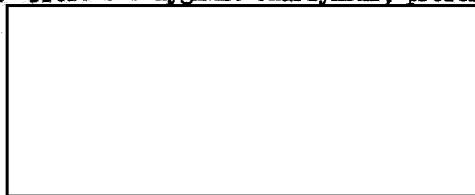
a. Prof. Dr. Osman Achmatowicz, rector of the institute till 1952. 25X1



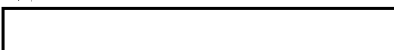
b. Prof. Dr. Konorski, rector since 1952. 25X1



c. Prof. Dr. Zygmunt Charzynski, professor of mathematics 25X1



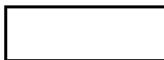
d. Prof. Dr. Slowikowski, professor of mechanics. 25X1



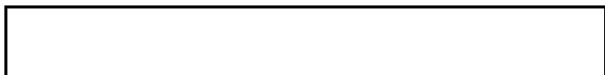
SECRET

25X1

SECRET

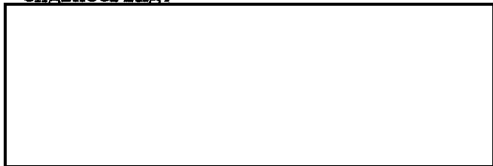


- 4 -



25X1

f. Master (magister) Siewierski, assistant to the professor for textile engineering.



25X1

g. Prof. Tytus Chomosiowicz, professor of geometry.



25X1

h. Mieczyslaw Czerwinski, first assistant to the professor of geometry.



25X1

i. Engineer Kazimierz Rutenberg, second assistant to the professor of geometry.

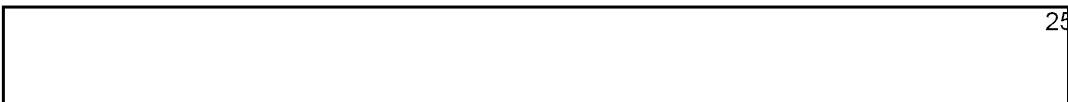


25X1

j. Prof. Dr. Soltan, professor of physics.



25X1



25X1

k. Dmochowski, assistant professor of physics.

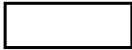


25X1

SECRET

25X1

SECRET



- 5 -

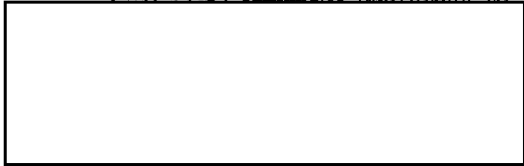
l. Magister Cieslik, assistant to Professor Dmochowski.

25X1



m. Master (Magister) Mankowa, assistant to the professor of physics .

25X1



n. Prof. Dr. Buchholtz, professor of mechanics.

25X1



o. Engineer Rakowiecki, first assistant to the professor of mechanics.

25X1



p. Engineer Golebiowski, second assistant to the professor of mechanics.

25X1



q. Prof. Kordeba, lectures on boilers.

25X1



r. Prof. Dr. Sobolewski, lectures on steam engines.

25X1



s. Engineer Belka, first assistant to the professor (engines)

25X1

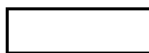


SECRET

25X1

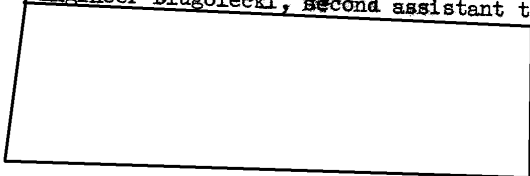
SECRET

- 6 -



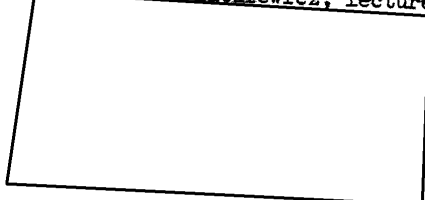
t. Engineer Dlugolecki, second assistant to the professor (engines)

25X1



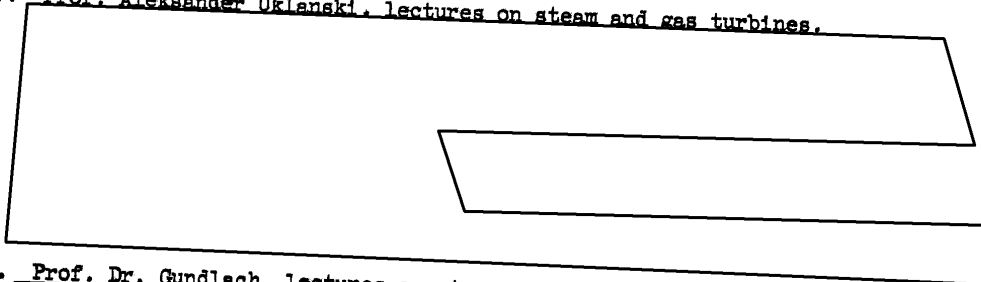
u. Prof. Dr. Platkiewicz, lectures on cranes.

25X1



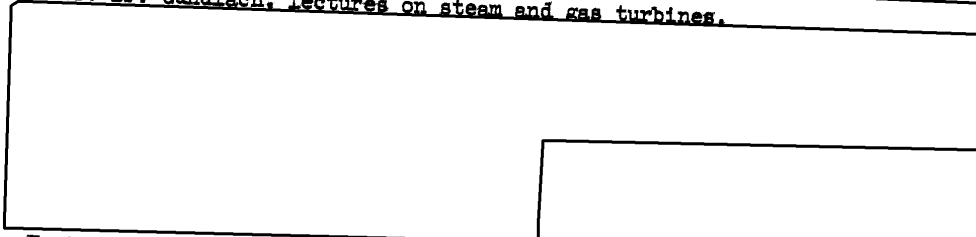
v. Prof. Aleksander Uklanski, lectures on steam and gas turbines.

25X1



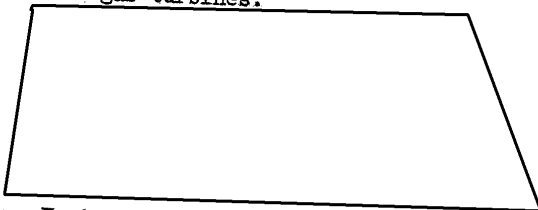
w. Prof. Dr. Gundlach, lectures on steam and gas turbines.

25X1



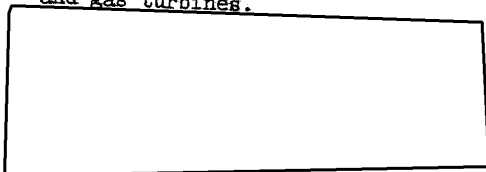
x. Engineer Tadeusz Slusarski, first assistant to the professors on steam and gas turbines.

25X1



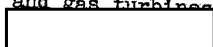
y. Engineer Zygmunt Gemel, second assistant to the professors on steam and gas turbines.

25X1



z. Engineer Tysiak, third assistant to the professors on steam and gas turbines.

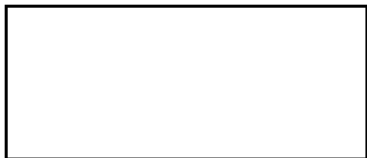
25X1



SECRET

SECRET

- 7 -



25X1

25X1

aa. Prof. Dr. Stefanowski, professor of thermodynamics.



25X1



bb. Prof. Dr. Mostowski, professor of thermodynamics.



25X1

cc. Engineer Morozowska, first assistant to the professors of thermodynamics.



25X1

dd. Engineer Kotlewski, second assistant to the professors of thermodynamics.



25X1

ee. Engineer Mieszkowski, third assistant to the professors of thermodynamics.



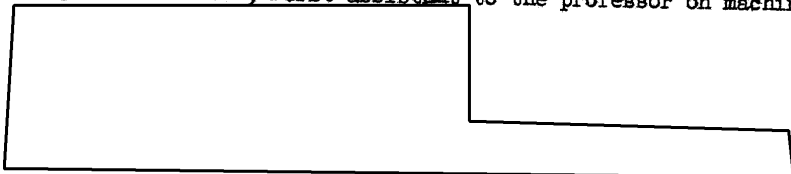
25X1

ff. Prof. Witold Korewo, lectures on machine parts.



25X1

gg. Engineer Borowicz, first assistant to the professor on machine parts

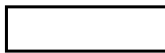


25X1

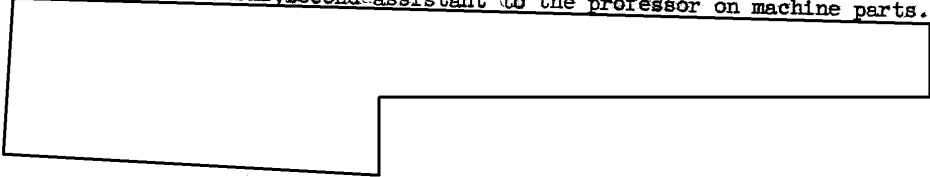
SECRET

SECRET

- 8 -

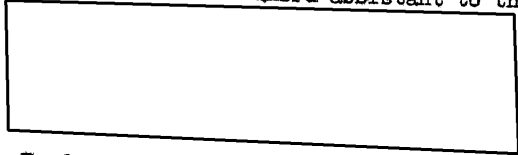


hh. Engineer Morozowski, second assistant to the professor on machine parts.



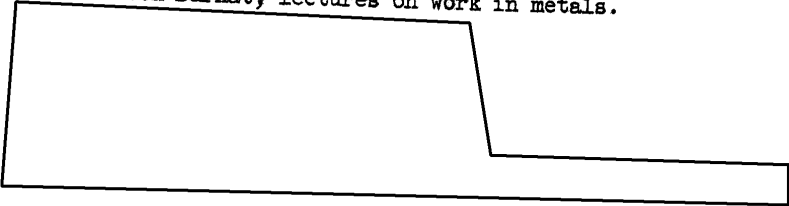
25X1

ii. Engineer Horwat, third assistant to the professor on machine parts.



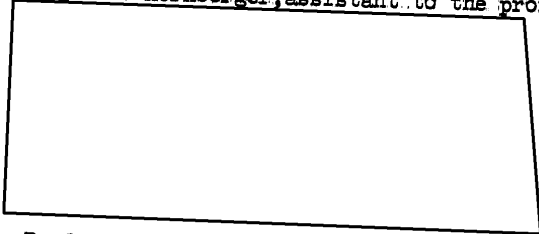
25X1

jj. Prof. Leon Barnat, lectures on work in metals.



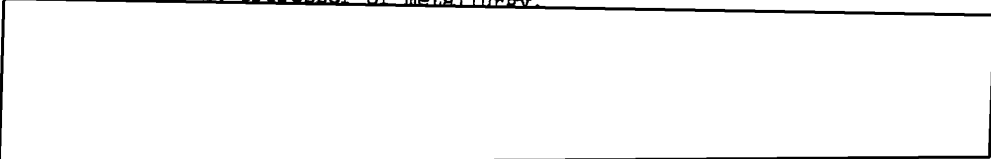
25X1

kk. Engineer Kornberger, assistant to the professor on work in metals.



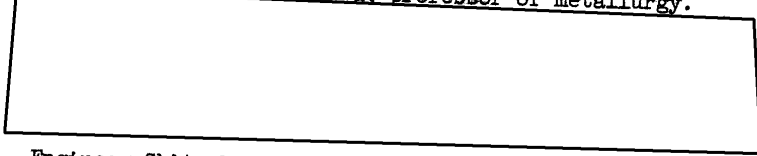
25X1

ll. Prof. Zarnowski, professor of metallurgy.



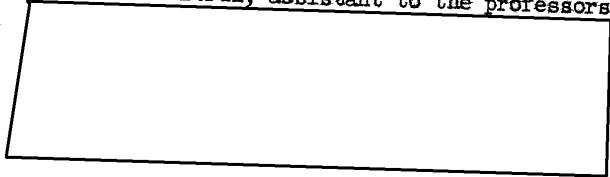
25X1

mm. Prof. Dr. Zofia Wendorfowa, professor of metallurgy.



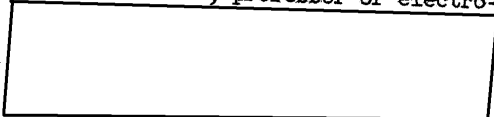
25X1

nn. Engineer Chitruk, assistant to the professors on metallurgy.



25X1

oo. Prof. Jaworski, professor of electro-technics.



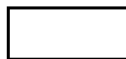
25X1

SECRET

25X1

SECRET

- 9 -



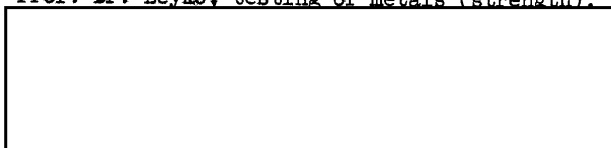
25X1

pp. Linde, first assistant to the professor on electron technics.



25X1

qq. Prof. Dr. Leyko, testing of metals (strength).



25X1

rr. Prof. Dr. Szmertel, testing of metals (strength).



25X1

ss. Walczak, assistant to the professors on testing of metals.



25X1

tt. Prof. Duniewicz, lectures on water turbines.



25X1

uu. Adam Kowalski, assistant to the professor on water turbines.



25X1

vv. Prof. Dr. Skarbinski, lectures on work in metals (casting).

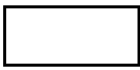


25X1

SECRET

25X1

SECRET



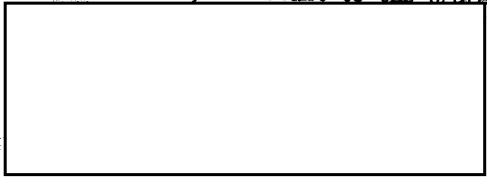
- 10 -



25X1

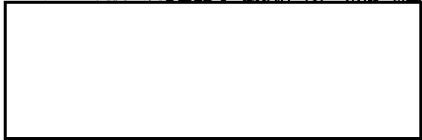
ww. Engineer Wolk, assistant to the professor on work in metals.

25X1



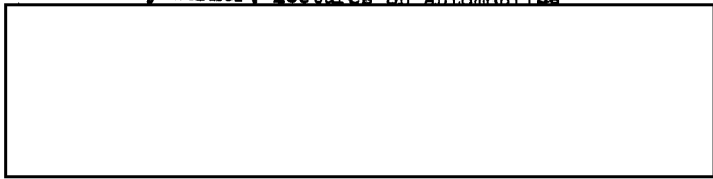
xx. Prof. Jan Werner, dean of the mechanical section.

25X1



yy. Prof. Jerzy Werner, lectures on automobiles

25X1



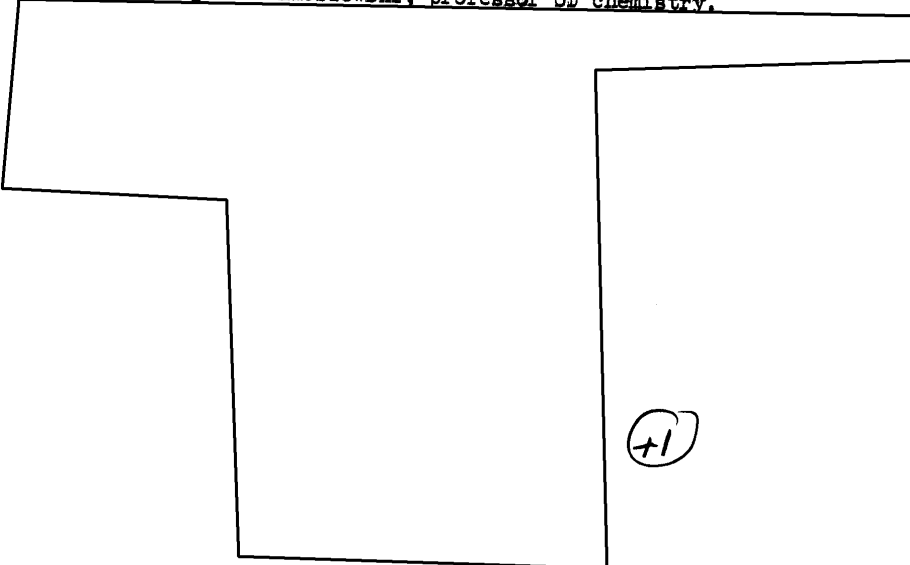
zz. Prof. Dr. Dowkant, lectures on automobiles.

25X1



aaa. Prof. Dr. Bogdan Wilkoszewski, professor of chemistry.

25X1



SECRET