

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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COUNTRY	USSR	REPORT	
SUBJECT	Soviet Technical Books on Electricity	DATE DISTR.	12 May 1954
		NO. OF PAGES	1
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PLACE ACQUIRED		REFERENCES	

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

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1. technical books on electricity, in Russian

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- a. Electrical Condensers by V.T. Renne.
- b. The Physics of Dielectrics by G.I. Skanavi.

2. the book entitled Electrical Condensers is based primarily on foreign literature rather than on work in the USSR. There are 203 American, British, German, and Soviet publications listed in the bibliography. A later, more up-to-date edition was published. The book Electrical Condensers, which was used as the source on condenser manufacture, has the following chapters:

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- a. General Characteristics of Condensers.
- b. Condensers with a Gaseous and Liquid Dielectric.
- c. Condensers with a Solid Inorganic Dielectric.
- d. Electrolytic Condensers.

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3. The book entitled The Physics of Dielectrics is written by G. I. Skanavi, who is considered the foremost Soviet expert in the field of dielectric materials. This book includes a long bibliography of 201 publications. It is divided into the following four chapters:

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- a. Electric Field in Heterogeneous Dielectrics.
- b. Polarization of Dielectrics.
- c. Ionic Electrical Conductivity of Dielectrics.
- d. Dielectrical Losses.

4. The Physics of Dielectrics was published in 1949, the book Electrical Condensers in 1947.

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