

U.D.C. 621.3 (09)+621.3 (477)



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**THE SOURCES OF THE STUDY OF DEVELOPMENT OF
ELECTROTECHNICAL BRANCH IN UKRAINE DURING THE SECOND
HALF OF THE XX CENTURY**

Summary

The electrotechnical industry is one of the leading and high technology fields of industrial complex that provides facilities to almost all fields of economy and social sphere. National electrotechnical industry of the second half of the twentieth century covered enterprises, where electric locomotives, electric motors of different capacities, turbo- and hydro-generators, high-voltage and low-voltage equipment, electric welding, electrical lighting and electrothermal equipment, transformers, converters, electroinsulating products, electrical household appliances and so on were manufactured. During this period electrotechnical industry obtained rapid development. Scientific support of industrial complex was carried out by the teams of academic scientific research institutions and scientists of higher technical school. In the early 1960's the branch of scientific research institutions that performed important research tasks at that time was established. The important part of the industry development is scientific potential. Studying of aspects of engineering and scientific staff provides an opportunity to reveal chosen theme exhaustively.

The analysis of the main sources containing information about the development of the electrotechnical industry of Ukraine in the second half of the twentieth century is conducted. The source array is classified by relevant characteristics; the groups are identified and described. The source base includes materials of scientific researches made by specialists - electricians, archival documents, laws and regulations, museum materials, scientific collections, memoirs and interviews materials. The study of these materials allowed establishing a number of new problems for the development of electrotechnical science, requiring separate scientific researches.

The purpose of the article is the analysis and classification of the main group sources that formed the source base study. The object of research is complex of materials storing in the collections of archival institutions of Ukraine, State Scientific Library named after Korolenko V.G., National Library of Ukraine named after Vernadsky V.I., Lviv Scientific Library named after Stefanyk V. and scientific library of NTU "KhPI". The subject of our study is relatively unknown sources, reflecting the trends and patterns of electrotechnical industry of Ukraine.

The overview of electrotechnical field of the second half of the twentieth century helped to reveal the representative source base, presented as a set of different by their origin, structure and content, the degree of reliability and complex of sources. Adhering to the typological-specific principle, the available sources could be classified into two main groups: published and unpublished.

In its turn, the sources in each group are divided into subgroups for intended purpose and origin. The first group is printed primary sources: monographs and scientific works of well-known experts-electricians, dissertations, theses, scientific collections, statistical documents, printed annual reports on the status and activities of scientific research and educational institutions, magazines and newspapers, laws and regulations and regulatory legislations. The second group of unpublished sources is archival documents, materials of science museums and educational institutions. Addition to the last group is complex of narrative documents and mediated information sources.

Therefore this is not an exhaustive list of sources from the history of electrotechnical science and education of Ukraine of the second half of the twentieth century. Each of the periods had its own unique features that definitely influenced on the selection of the sources. With the help of the study the representative source base that included professional scientific publications, dissertation researches, scientific collections, laws and regulations, archival documents, museum funds and epistolary heritage was established. Consequently the processed complex of sources allowed to reconstruct the history of formation and development of electrotechnical industry for 1950-1991 years; and to highlight scientific achievements of Ukrainian electricians objectively, in other words to humanize the history of Ukrainian electrotechnical science.

Keywords: *Electrical industry, scientific research, higher technical education, archival materials, a key base.*