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OVCHARENKO

Julia S.,

postgraduate student

National Technical University

“Kharkiv Polytechnic Institute” "

(NTU “KhPI”),

Department of History of Science and
Technology

(a city of Kharkov)

**COOPERATION THE PHYSICAL-TECHNOLOGICAL INSTITUTE OF
LOW TEMPERATURE NAMES AFTER B. VERKIN OF THE NATIONAL
ACADEMY OF SCIENCES OF UKRAINE WITH THE ENTERPRISES
IN THE 70S OF THE XX CENTURY**

Summary

The article "Cooperation Kharkov of PTILT with enterprises Ukraine in the 80s of XX century" has been tasked to investigate the development of the industry of low temperature physics in Ukraine in the 80s by the example of Kharkov of Physics-Technical Institute of Low Temperatures.

Based on a study of archival documents studied scientific and creative communication the institute with research and academic institutions in the country, an attempt was made to reveal the role of joint development with enterprises and effective use in the production. Particular attention is paid to the disclosure of the role of scientists at the Institute for the development of many areas of low-temperatures physics and its impact on raising the country's economy to a higher level.

Development of any science is not possible without the cooperation and support of interest from research centers, enterprises and research institutions. PTILT had a wide range of academic relationships with many institutions in the country. The analysis of documents of the archive of the research institute have shown that the most common and effective form of communication was to conduct joint research and development work on the basis of commercial agreements and the commonwealth. Also , mutual assistance in the solution of important and

complex scientific and technical problems ; monitoring and cooperation in the implementation of scientific developments and prototypes in the national economy. Based on the study of archival sources PTILT, contracts of the science institute reflects the problems of economic nature. They were working on superconducting electrical engineering, exploration, medicine, biology, cryogenics, materials, etc. In addition, the institute had extensive links with educational institutions, which were characterized by the implementation of joint research, development work and research and teaching activities universities in Kharkiv.

The analysis of documents during the study period, it is concluded that the implementation of development projects on the basis of economic agreements, cooperation with research centers, universities and other institutions in the country, had a great influence not only on the development of research in the field physics of low temperatures different directions, but also on the economic recovery of the country.