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**ABSTRACT BOOK**

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# **PHENOMENON OF ASTRONOMICAL DYNASTIES STRUVE-KNORRE FROM DORPAT UNIVERSITY AND LONG-LASTING COOPERATION BETWEEN PULKOVO AND NIKOLAEV**

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The state of astronomy and some peculiarities of 18-19 centuries, when Struve and Knorre dynasties appeared in Dorpat (Tartu) University, are shown. For the first time, authors try to explain the phenomenon of cooperation between two astronomical dynasties - from personal relationships between V. Struve and K. Knorre to a long-term cooperation between Pulkovo and Nikolaev observatories their foundation to the present days. The information about Struve dynasty (Wilhelm Struve, Otto Struve, Hermann Struve) and Knorre dynasty (Ernst Knorre, Karl Knorre, Victor Knorre) and brief summaries of joint scientific achievements and research collaboration between Pulkovo and Nikolaev observatories during nearly 200 years are presented.

## **THE RUSSIAN-UKRAINIAN OBSERVATORIES NETWORK FOR THE EUROPEAN ASTRONOMICAL OBSERVATORY ROUTE PROJECT**

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In 2004, the Center of UNESCO World Heritage has announced a new initiative “Astronomy & World Heritage” directed for search and preserving of objects, referred to astronomy, its history in a global value, historical and cultural properties. There

were defined a strategy of thematic programme “Initiative” and general criteria for selecting of ancient astronomical objects and observatories. In particular, properties that are situated or have significance in relation to celestial objects or astronomical events; representations of sky and/or celestial bodies and astronomical events; observatories and instruments; properties closely connected with the history of astronomy. In 2005-2006, in accordance with the program “Initiative”, information about outstanding properties connected with astronomy have been collected. In Ukraine such work was organized by astronomical expert group in Nikolaev Astronomical Observatory. In 2007, Nikolaev observatory was included to the Tentative List of UNESCO under # 5116. Later, in 2008, the network of four astronomical observatories of Ukraine in Kiev, Crimea, Nikolaev and Odessa, considering their high authenticities and integrities, was included to the Tentative List of UNESCO under # 5267 “Astronomical Observatories of Ukraine”. In 2008-2009, a new project “Thematic Study” was opened as a successor of “Initiative”. It includes all fields of astronomical heritage from earlier prehistory to the Space astronomy (14 themes in total).

We present the Ukraine-Russian Observatories network for the “European astronomical observatory Route project”. From Russia two observatories are presented: Kazan Observatory and Pulkovo Observatory in the theme “Astronomy from the Renaissance to the mid-twentieth century”. The description of astronomical observatories of Ukraine is given in accordance with the project “Thematic study”; the theme “Astronomy from the Renaissance to the mid-twentieth century” - astronomical observatories in Kiev, Nikolaev and Odessa; the theme “Contemporary Astronomy” - Crimean Astrophysical Observatory. Also on the basis of collaboration between Ukraine and Russia the Russian-Ukrainian network of astronomical observatories was organized.

The participation in Paris conference, on September 20-22, will be a good opportunity to present and to discuss some questions of selection, protection and preparation of Russian-Ukrainian- network to the List of UNESCO within the topic of the Project “Route of European astronomical observatories ”.