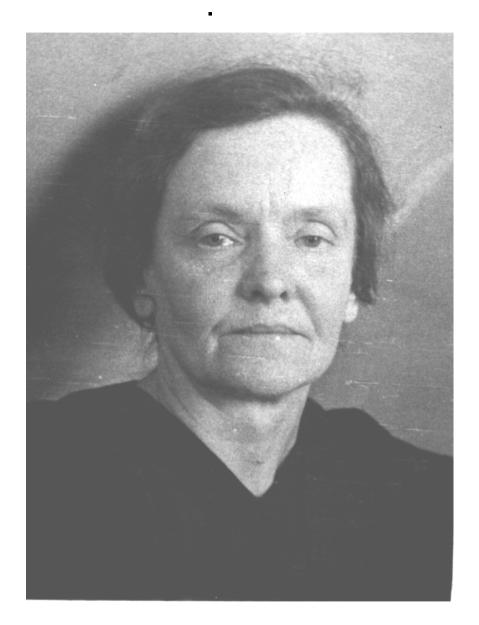
ACADEMICIAN SERGEI NIKOLAEVICH VERNOV AND FOUNDATIONS AND DEVELOPMENT OF COSMIC RAY VARIATIONS RESEARCH IN USSR

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 Israel Cosmic Ray & Space Weather Center, Tel Aviv University and Israel Space Agency, Israel
Cosmic Ray Department, N.V. Pushkov IZMIRAN, Russian Ac. of Sci., Russia On my long way in science (about 60) years) I was happy to met and cooperate with many brilliant scientists. One of them was Academician Sergei Nikolaevich Vernov. In 1949-1951 he together with Nikolai Vasil'evich Pushkov and Yurii Georgievich Shafer organized the first soviet net of cosmic ray stations equipped by automatically worked big ionization chambers shielded by 10 cm Pb (of Compton type).





 In December of 1950 I graduated Moscow State University, Physical Department, Section of Nuclear Physics, and became out of any work together with some other students from Moscow and Leningrad. Only thanks to the Vernov - Pushkov Project on foundation of CR variations research in USSR we soon start to work in this field of science.

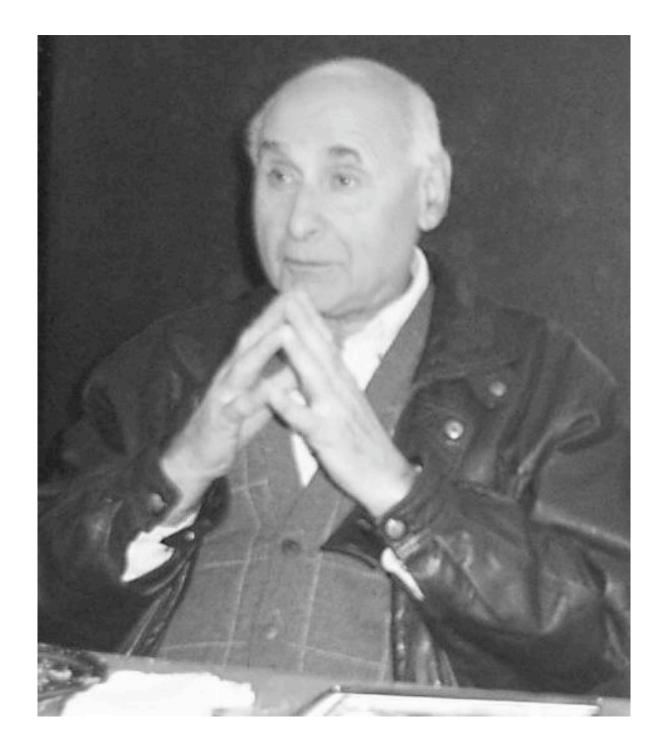
 In 1955 in connection with preparing Soviet net of CR stations to take active part in the International Geophysical Year (1957-1958), S. N. Vernov founded and headed special Section in Academy of Science of USSR and asked me to be his deputy. This Section organized production for Soviet net of CR stations neutron monitors of Simpson's type.



- In 1955 USSR in the first time take part in ICRC. It was in Mexico. S. N. Vernov presented papers from USSR, including our paper on CR variations (meteorological effects, method of coupling functions, different types of CR variations).
- In 1955 I had PhD in FIAN, where was recommended to publish my dissertation as a book, and then present it as doctor dissertation.
- In February 1956 the biggest observed GLE

 In 1959-1960 Sergei Nikolaevich Vernov together with Nikolai Vasil'evich Pushkov prepared special Declaration of Soviet Government and Central Committee of Communist Party on taking USSR an active part in International Quiet Sun Year (1964-1965). This Declaration was accepted by Soviet Government and signed by Prime-Minister at beginning of 1961, after money reform 1:10, and thanks to mistake of Government's bureaucrats the total financiering was increased about 10 times.





• It gives a great support for sufficient increasing of experimental basis of CR variations research as well as in other fields in Sun-Solar physics in USSR. I would like to show in my report that the science on CR variations in Soviet Union was mainly founded and developed thanks to special properties of Sergei Nikolaevich Vernov as a great Scientist and as a great Organizer of Science.

