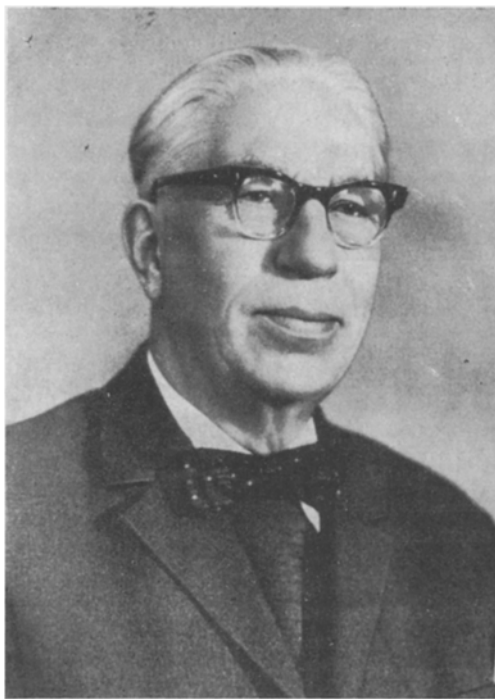


V. N. CHERNIGOVSKII (ON HIS 70th BIRTHDAY)

The Editorial Board



Academician Vladimir Nikolaevich Chernigovskii, outstanding scientist, leading physiologist of the USSR, has celebrated his 70th birthday. He began his scientific, teaching, and public activities half a century ago. His brilliant technical skill, his talent as an experimenter, his passion for science, and the depth and originality of his thinking led to the discovery of chemoreceptors in the tissues of the abdominal organs and of mechanoreceptors in their vessels by Vladimir Nikolaevich before the end of the 1930s. In 1943 he published his first monograph "Afferent systems of internal organs," for which he was awarded a medal and the I. P. Pavlov Prize; in it he showed the existence of hitherto unknown types of interoceptors and their role in the regulation of the circulation. In the subsequent years V. N. Chernigovskii has continued to develop his studies into all aspects of the interoceptors and their representation in the various parts of the central nervous system. As a result of the numerous investigations of Vladimir Nikolaevich and his pupils and followers, a new chapter has been written in physiology – the universal distribution of tissue and vascular receptors, their role in the regulation of the circulation, the blood system, water and mineral metabolism, and other functions, the whole structure of the interoceptive analyzer and its role in the behavior of the integral organism. His suggested classification of interoceptive reflexes into primary and associated has been generally accepted and has facilitated the discovery of the principles of control of physiological functions. A vast factual material and original movements in the development of physiological science arising on its basis were described in V. N. Chernigovskii's monumental work "Interoceptors," published in 1960.

Translated from Byulleten' Éksperimental'noi Biologii i Meditsiny, Vol. 83, No. 6, p. 765, June, 1977.

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Vladimir Nikolaevich's scientific activity is many-sided. He is not only a leading experimenter but also the author and director of many important studies of topical problems in clinical and space physiology. The ideas of I. M. Sechenov and I. P. Pavlov have undergone further development through V. N. Chernigovskii's creative genius.

A brilliant teacher and lecturer, V. N. Chernigovskii has established a wide following and his pupils have included many leading physiologists and directors of major laboratories. He has always combined a demand for high standards in himself and others with benevolence and unstinting and generous help. He has been a very active organizer and administrator in science, striving for the development of all branches of physiology. Everything new, important, and valuable has always received his support, even if it did not concern his personal scientific interests.

In 1950 V. N. Chernigovskii was elected Academician of the Academy of Medical Sciences of the USSR and in 1960 Academician of the Academy of Sciences of the USSR; he is also a member of many foreign academies and scientific societies.

In 1952-1959 V. N. Chernigovskii was Head of the Institute of Physiology, Academy of Medical Sciences of the USSR in Moscow, and Member of the Presidium and Vice-President of the Academy of Medical Sciences of the USSR. During that period he was Editor-in-Chief of the journal "Bulletin of Experimental Biology and Medicine," and with his characteristic high-principledness, benevolence, and unflagging energy, he devoted much attention to his work on the editorial board. Vladimir Nikolaevich is now Director of the I. P. Pavlov Institute of Physiology, Academy of Sciences of the USSR; Chairman of the Scientific Council for Problems in Human and Animal Physiology, Academy of Sciences of the USSR; and Editor-in-Chief of the "I. M. Sechenov Physiological Journal of the USSR."

Recalling with gratitude the great contribution that this remarkable man, scientist, and public servant V. N. Chernigovskii has made to the success of our journal, the editorial board cordially congratulates him on this important jubilee and wishes him health, happiness, and every success in his work.