

In memory of the outstanding scientist S.S. Ellern - to the 95th anniversary of his birth

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Semyon Samuilovich Ellern was born in June 29, 1922 in Kazan in the family of clerical worker. In 1939 he graduated from Kazan Secondary School No. 2 and entered the Faculty of Geology and Soil of the Kazan University. In April 1942, like many peers, S.S. Ellern was drafted to the Soviet Army and was trained until June 1942 in the 123rd training tank regiment in Kazan (as cadet). From November 1943 to February 1944, he served on the 1st Ukrainian Front with as radio-gunner of the tank-T-34 of the 233rd tank brigade of the 5th Mechanized Corps. In February 1944, he was wounded and, until June 1944, was treated in evacuation hospitals (Belaya Tserkov, Nezhin, Telavi). For military service he was awarded the medal "For victory over Germany".

In September 1944, S.S. Ellern was restored to the 4th year of Kazan University, which he graduated with honors in 1946 and the same summer began his labor path in the expeditions of the Kazan branch of the Academy of Sciences. In August 1946 Semyon Samuilovich was invited to work at the Department of Geology in Kazan University as a senior laboratory assistant. On June 26, 1952 S.S. Ellern successfully defended his dissertation on "Zhivetsky deposits of southeastern Tataria".

In the late fifties, the Department of Oil and Gas Geology concludes a number of large economic contracts with the "Tatneftegazrazvedka" trust, in which Semyon Samuilovich is a responsible performer as a well-known expert in petroleum geology. He begins to work on the most important topic "Studying regularities of oil and gas accumulation in the Aksubaev-Melekess depression". In the early sixties, the Department of Oil and Gas Geology was the initiator of the assessment prospects of oil content in the new, unexplored region at the time - the Melekess depression. This big and serious topic was entrusted to S.S. Ellern as a responsible performer. In December 1965, the Council of Kazan State University awarded the scientist a first-degree prize for the best scientific work in the university for 1964, including for his monograph "Geological structure and oil content in the Aksubaev-Melekess depression", written together with V.I. Troepolsky.

The rector of the University awarded him with the gratitude for the profound study of geological and geophysical materials as the basis for scientific forecasting of oil-bearing prospects and the development of rational methodology for conducting oil exploration.

In the sixties, the Middle Volzhsky Geological Administration began to work on the fundamental encyclopedic multivolume edition of "Geology of THE USSR". Ellern was invited to participate in the compilation of the section "Devonian deposits" (vol. 11, Volga region) from the Department of Oil and Gas Geology of the Kazan State University.

In December 1978, S.S. Ellern was awarded the University Prize for the best scientific works published in 1977, in particular for the work "The Laws of placement and

accumulation of oil and bitumen in the east of the Russian Platform".

During more than thirty years of teaching work S.S. Ellern gave lectures and conducted practical classes in many, including leading, courses.

These are "Oil and gas bearing provinces" (later "Oil and gas bearing basins"), "Oil fields of the Second Baku", "Fundamentals of oil and gas geology", "Oilfield geology", "Methods of prospecting and exploration of oil and gas fields", "Geology of combustible minerals (for prospect generators)". Semyon Samuilovich also developed and read a new course "Structural-facial (formational) analysis".

Area of scientific interests of S.S. Ellern was characterized by a very wide variety. Along with active participation in general subjects such as the study of the Melekess basin or the study of the Kama-Kinel system of deflections, he was always interested in global issues of petroleum geology. In the 1970s he pays much attention to the study of the formation conditions of uncompensated deflections of platforms and their role in the distribution of oil and gas content. Studies on this topic were largely summarized by him in the monograph "Location of hydrocarbon deposits on platforms". The result of these studies was the monograph "Uncompensated deflections of platforms and their oil and gas potential" (1976).

In subsequent years, the research interest of S.S. Ellern was focused on studying the formation conditions of natural bitumen accumulations. Semyon Samuilovich analyzed and summarized geological materials on the evaluation of prospecting for natural bitumen within Tatarstan; he is a scientific leader and a responsible executor of state budget and economic contracts: "Geology and bitumen content of Permian deposits in the east of the Russian plate", "Bitumen" (1980), "Sheshma" (1982), "Basis" (1985), "BIN" (1985). In 1974 he took part in the preparation and editing of the departmental monograph on Permian bitumen of Tataria - the results of generalization of many years of research and applied subjects. In the summer of 1982, the scientist organized and conducted a scientific expedition to the Kaliningrad region to study the formation conditions of natural bitumen in the Baltic syncline. S.S. Ellern leded personally the staff of the department for bitumen expedition. He had participated in the commission of the research and production association Tatneft to study bitumen of Tatarstan.

Under the leadership of S.S. Ellern, the department successfully implemented the paleogeomorphological methods of mapping the non-anticlinal traps of natural bitumen in the Permian deposits of the Melekess depression and the slopes of the South Tatar arch.

In July 1982, he was awarded the badge "For Excellent Progress in Work" in the field of higher education of the USSR. For many years of fruitful activity S.S. Ellern was repeatedly awarded with diplomas, as well as three commemorative medals. The scientist passed away on July 26, 1986.