

75 years of the Atomic industry. Contribution of the Academy of Sciences (Scientific session of the General meeting of the Physical Sciences Division of the Russian Academy of Sciences, 7 December 2020)

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A scientific session of the General Meeting of Members of the Physical Sciences Division (PSD) of the Russian Academy of Sciences on the topic “75 years of the Atomic industry. Contribution of the Academy of Sciences” was held in the building of the Presidium of the Russian Academy of Sciences (RAS) at the address Leninsky prospekt 32A, on December 7, 2020. The session was broadcast remotely for members and guests of the General meeting of the Physical Sciences Division of the Russian Academy of Sciences.

The following reports were heard:

(1) **Il'kaev R I** (Russian Federal Nuclear Center–All-Russian Research Institute of Experimental Physics, Sarov, Nizhny Novgorod region). “Academy of Sciences and implementation of the Atomic Project in the USSR (on the occasion of the 75th anniversary of the Atomic industry)”.

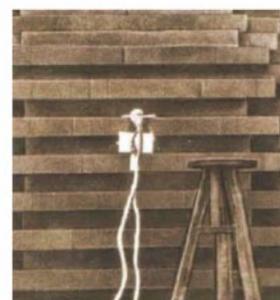
(2) **Altshuler B L, Ritus V I** (Lebedev Physical Institute, Russian Academy of Sciences, Moscow). “Soviet Atomic Project and FIAN.”

(3) **Rykovanov G N** (Russian Federal Nuclear Center–All-Russian Scientific Research Institute of Technical Physics named after E N Zababakhin, Snezhinsk, Chelyabinsk region). “Results of work on few-projection X-ray tomography of fast processes.”

(4) **Denisov G G, Litvak A G** (Federal Research Center Institute of Applied Physics RAS, Nizhny Novgorod). “Cyclotron resonance masers. Achievements and trends.”

(5) **Zavyalov N V** (Russian Federal Nuclear Center–All-Russian Research Institute of Experimental Physics, Sarov, Nizhny Novgorod region). “RFNC–VNIIEF research facilities aimed at experimental acquisition of basic and applied knowledge in the fields of nuclear, radiation, and fast-process physics.”

Published further in this issue are articles written on the basis of reports 1, 2, and 5.



Memorial emblem in honor of the 75th anniversary of the domestic nuclear industry and a piece of masonry from the first F-1 reactor in Eurasia.



Memorial plaque on the building which houses the F-1 reactor. On December 25, 1946, I V Kurchatov and his staff carried out a chain reaction of uranium fission for the first time on the continent of Eurasia.



World's first nuclear power plant in Obninsk and world's first nuclear icebreaker, *Lenin*.