

Project on the topic : “M. V. Lomonosov, our first university”

Student: Doldanov M.
Teacher: Grigorieva V.A.

Kuloy, 2011





Mikhail Vasilievich Lomonosov

(8 (19) November 1711 - 4 (15) April 1765)



was born in the village of Mishaninskaya, Arkhangelogorodskaya province, in a fairly wealthy family near the White Sea. Vasiliy Dorofeevich Lomonosov (his father) married Elena Sivkova (Lomonosov's mother). Vasiliy Dorofeevich was a good man by nature, but his up-bringing was not perfect. Lomonosov's mother died very early, when he was nine years old. In 1721, the father married Feodora Uskova, the daughter of a neighbouring farmer. In summer of 1724 she died. A few months later his father returned from the sea fishing and married for the third time. The widow Irina Semyonovna Korelskaya became his wife. For Lomonosov, who was thirteen years old, the third father's wife was "an evil and jealous stepmother".



Childhood of M.V. Lomonosov



The best moments of the Lomonosov's childhood were his trips to the sea with his father, which were very impressive for the young man. Lomonosov began helping his father at the age of ten. They went fishing in the early spring and returned in the late autumn. Together with his father, the future scientist went fishing to the White Sea and to the Solovki Islands. Those dangerous voyages hardened the boy's physical strength and enriched his mind by a variety of observations. The nature of the Russian North is easily seen not only in the language of M.V. Lomonosov, but also in his research interests, such as "the questions of the Aurora Borealis, sea trips, sea ice, the reflection of marine life on the land".

Lomonosov was impressed by great deeds of Peter the Great, which even now are known in the north. Mikhail Lomonosov was taught by the clerk of the local church S.N. Sabelnikov. He helped the villagers to write papers and petitions and also letters. Lomonosov understood the necessity of science and knowledge very early. "Grammar", "Arithmetics", "Psalm verses" opened the "gates of learning" for the young Pomor. At fourteen he could write correctly and neatly. Life at home became miserable, full of constant quarrels with his stepmother.



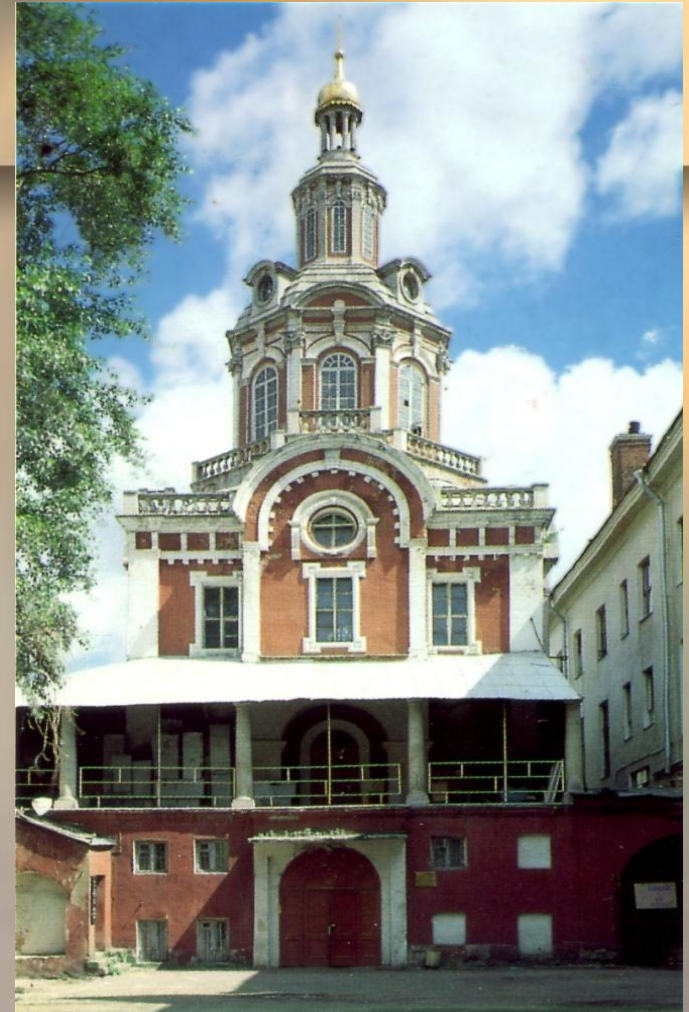
Travel to Moscow. Slavonic-Greek-Latin Academy



In December, 1730, wagons with fish were going to Moscow. At night, when everyone was asleep in the house, Lomonosov put on two shirts, a sheepskin coat and went after the wagons. The young man asked the fishermen to go with them. Lomonosov carefully thought out the plan of his escape. He heard that only in three Russian cities - Moscow, Kiev and St. Petersburg - he could learn the higher sciences. He chose Moscow. A long and difficult winter way was a sort of a trial for him. Overcoming all the difficulties of that way during three weeks with fish wagons, Lomonosov arrived at Moscow in January, 1731, where he did not know anybody.



Remarkable purposefulness was typical of Lomonosov. While many of his fellows spent hours carelessly, Mikhail Lomonosov spent time in the library of the monastery, he read different theological books: publications and secular philosophies, and even physical and mathematical works. From the academic biography it is well known that after the first six months he was transferred from the lower form to the second, and then to the third. A year later, when Lomonosov mastered Latin and could write short poems in it, he began to learn Greek.



**Slavonic-Greek-Latin Academy
in Moscow**



Marburg University

The house where Lomonosov lived in Marburg.

Officially, Lomonosov and his friends were admitted to the University of Marburg on November 6, 1736. The Russian students at the University of Marburg were very successful in learning different disciplines. Knowing German well, in October 1738, he continued to master Latin, and besides, Mikhail Lomonosov began to study French and Italian. Lomonosov successfully combined the study of natural sciences with literary pursuits. In Marburg he learned more about the modern German literature. Lomonosov liked to study not only theoretical questions of western literature, but also the practical questions of poetical translation. In 1739 Lomonosov graduated from the university in Marburg. And soon he was going to Freiberg to study metallurgy and mining.



Freiberg

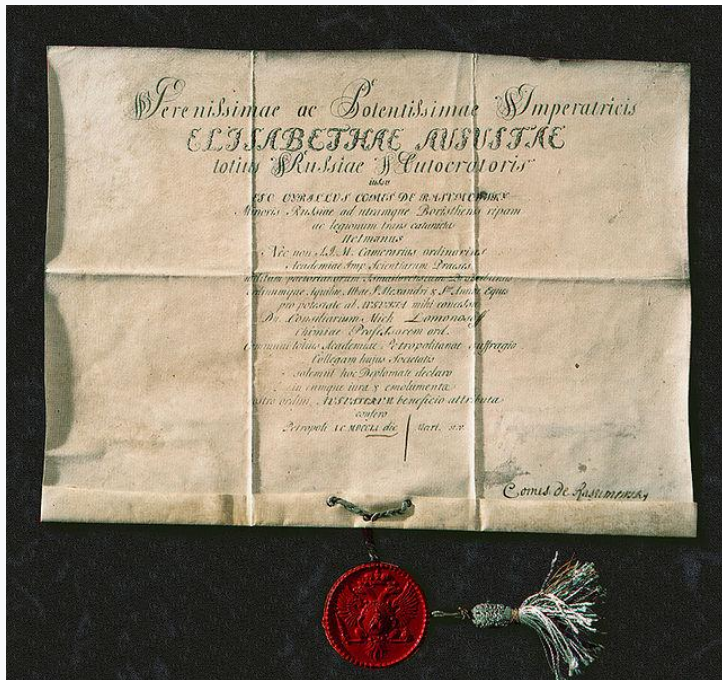


The Monument to Mikhail Lomonosov in Freiberg, Germany.

It took five days for the Russian students to get to Freiberg. On July 14, 1739 they arrived in the oldest metallurgical center. After their independent and free life in Marburg, Russian students got into total submission of the strict and pedantic J. F. Henkel. Henkel started his training course with the lessons on mineralogy and metallurgy. The teaching course was based on practical skills: the students visited mines and metallurgical plants and also they had to explain those production processes. Later, in his book "The Fundamentals of Metallurgy and Mining " Lomonosov used his knowledge and experience, gained in Freiberg. In May, 1740, Lomonosov left Freiberg and hoped to come back to Russia. But after arriving in Leipzig, he could not meet with the Russian envoy and then his life was so hard and all those roamings lasted more than a year.

The works at the Academy of Sciences

In June , 1741, Lomonosov was sent to the professor of botany and natural history I. Amman. That professor was only four years older than Lomonosov. In 1745 he wanted to give public lectures in Russian. At the same time Lomonosov worked and gave lessons in the sphere of mineralogy, physics and chemistry and printed several scientific treatises in Latin.



The Diploma of the professor of chemistry, 1745.



St. Petersburg, the Academy of Sciences.
Drawing by M.I. Makhayev, 1753.

Family and descendants



Since November, 1736, Mikhail Lomonosov lived in the house of the widow of a Marburg brewer. After two years, in February 1739, Mikhail Lomonosov married her daughter Elizabeth Christine Tsilh . On the 8th of November , 1739, they had a daughter and named her Catherine Elizabeth. The son of Lomonosov, who was born in Germany in December, 1741, died in Marburg in January, 1742. The first daughter of Lomonosov died in 1743. In February 21, 1749, in St. Petersburg, Lomonosov's daughter Elena was born. So, Mikhail Vasilievich had no sons. The only daughter Elena (1749-1772) was married to Alexei Konstantinov, the librarian of the Empress Catherine II. They had a son Alexei (1767-1814) and three daughters- Sophia (1769-1844), Catherine (1771-1846) and Anna (1772-1864).

Prototype of a helicopter



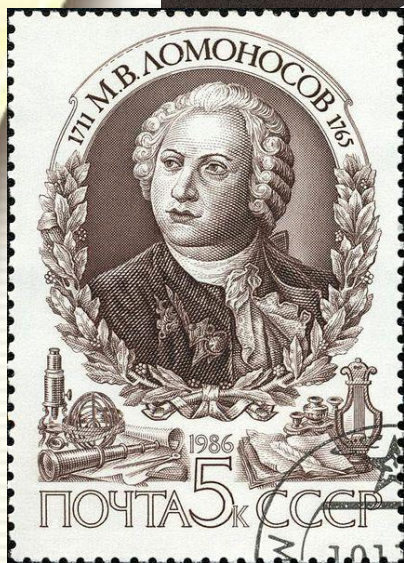
In meteorological researches, including measurements at different heights (temperature, pressure, etc.), Mikhail Lomonosov developed an aircraft of the vertical take-off. It was the first prototype of a helicopter, with two propellers on the parallel axes, equidistant from the center of gravity. However, the flights were not meant, just lifting the meteorological devices.

Mosaic, the fine art

The advancement of the main ideas, associated with glassmaking, with the development of the glass science and the production of glass, was more successful than the building of the first laboratory.



Postage stamps of the Soviet Union and Russia



Russian Coins



2005, 3 rubles, silver. The 250th anniversary of Moscow State University.



1992. The first commemorative coin, 100 rubles, gold.



2011, 2 rubles, silver. The 300th anniversary of Lomonosov's birth.

Architectural monuments



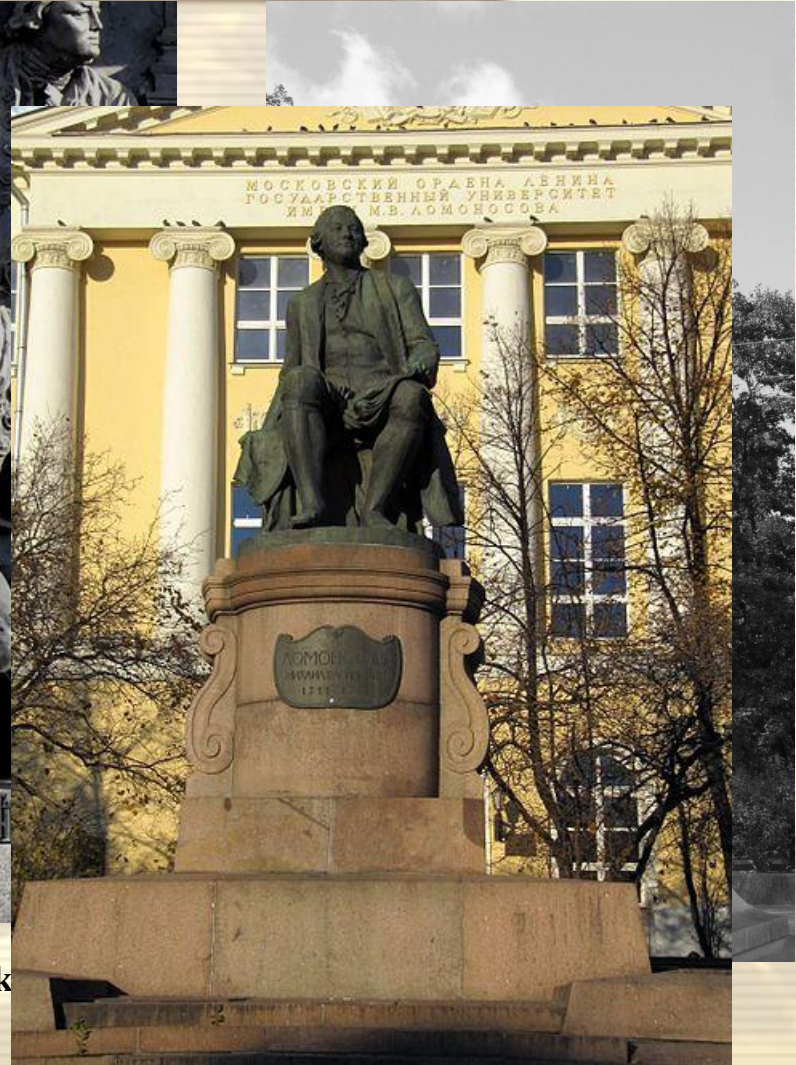
Freiberg



The village of Lomonosovo



The monument in Veliky Novgorod.



The Moscow State University

Lomonosov was a great man...
He founded the first Russian
University; or to express it more
correctly, he himself was our first
university.

(A.S.Pushkin)

Our literature begins with Lomonosov;
he was its mother and father, he was its
Peter the Great.

(V.G.Belinsky)

