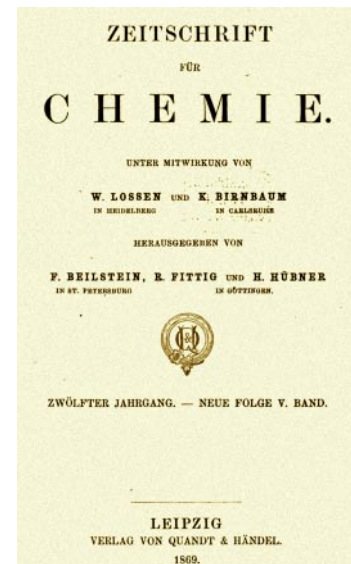
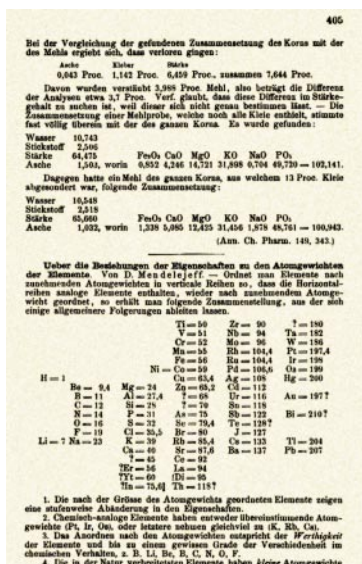
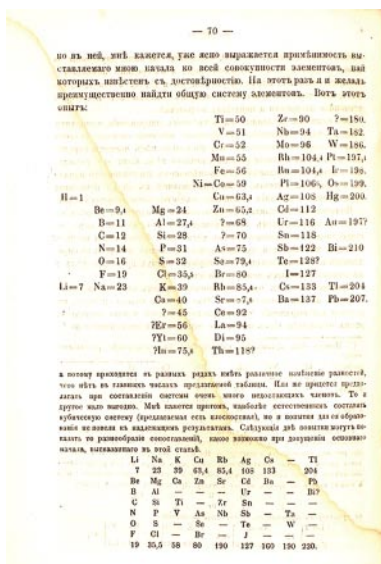
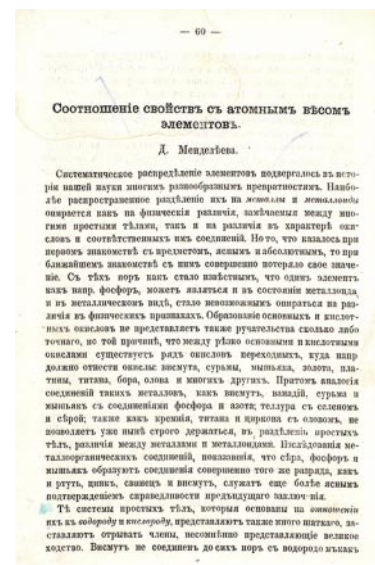
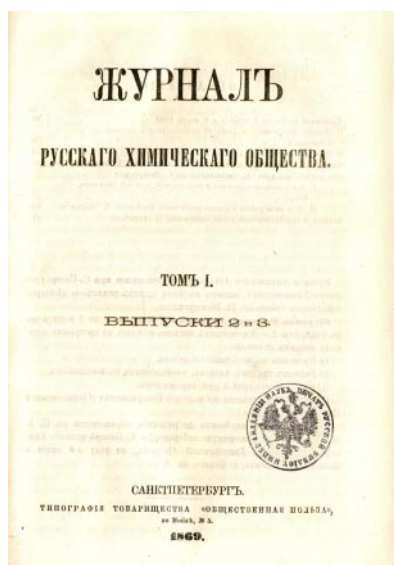
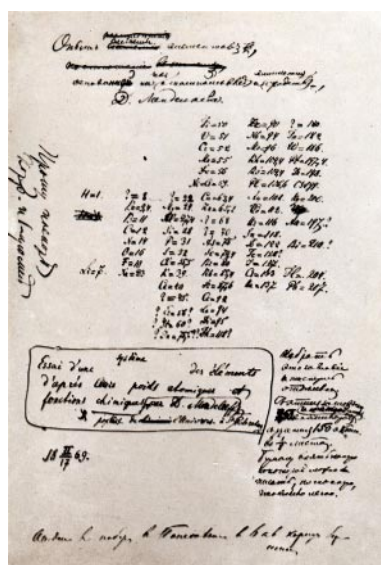


150th anniversary of the Periodic system of chemical elements (Mendeleev's Table)

On February 17, 1869 (March 1 according to the new calendar) the great Russian scientist Dmitry Ivanovich Mendeleev compiled for the first time the manuscript version of his Periodic Table of Elements, published the same month in the paper “Correlation between the properties and the atomic number of elements” in the first volume of the *Zhurnal Russkogo Khimicheskogo Obshchestva* (*ZhRKhO*) (*Journal of the Russian Chemical Society*) (issue 2–3, pp. 60–77), then edited by N A Menshutkin. A brief version of this paper containing Mendeleev's Table was published the same year of 1869 in German in *Zeitschrift für Chemie* (zwölfter Jahrgang, neue Folge V Band, pp. 405–406) with reference to the publication in *ZhRKhO* — the predecessor of today's *Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki* (*ZhETF*) (*Journal of Experimental and Theoretical Physics* (*JETP*)).



Dmitry Ivanovich Mendeleev
(08.02.1834–02.02.1907)



**On the occasion of this jubilee,
on December 20, 2017, during its 72nd Session,
the United Nations General Assembly proclaimed 2019 year
as the International Year of the Periodic Table
of Chemical Elements**

The celebration in 2019 of the International Year of the Periodic Table of Chemical Elements pays homage to the recent progressive discoveries made at the Joint Institute for Nuclear Research (JINR) as a result of close international scientific collaboration. Four superheavy elements in Mendeleev's periodic table with atomic numbers 113 (Nihonium),

115 (Moscovium), 117 (Tennessine), and 118 (Oganesson) were discovered and given names. Element 118 was named after the head of the G N Flerov Laboratory of Nuclear Reactions of JINR, academician Yu Ts Oganessian, who made a decisive contribution to the discovery of the 'island of stability' of superheavy elements.



Yuri Tsolakovich Oganessian

Press conference devoted to giving names to new elements in D I Mendeleev's Periodic Table of Elements at the G N Flerov Laboratory of Nuclear Reactions (JINR, December 12, 2016).