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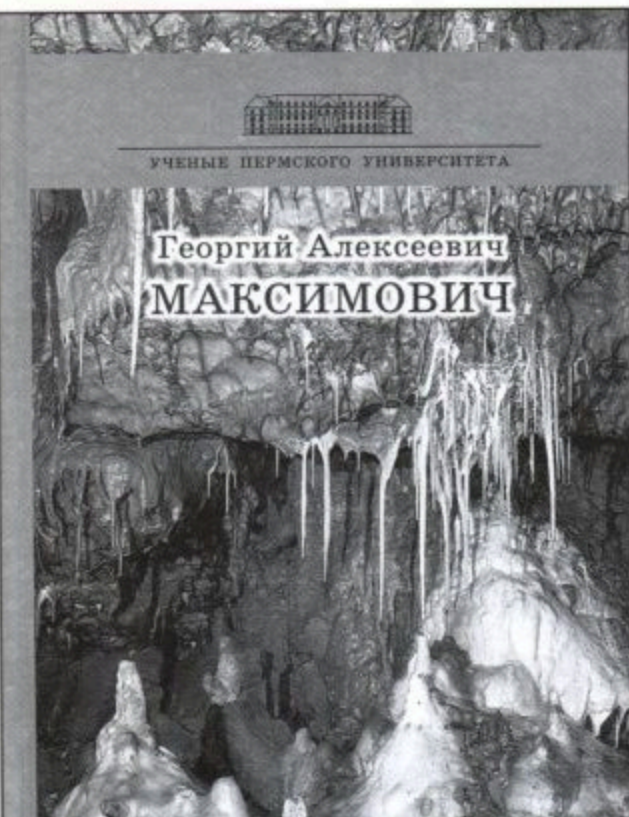


Subaerial tufa stalactites: biota and biological processes
Invertebrate fauna of Ogof Ffynnon Ddu, South Wales
Pseudoparonella doveri in the Dark Cave, Malaysia
Algal studies in the Shulgan-Tash Cave, Russia
U-series date, Keld Head, Kingsdale, UK
IGU Glasgow Congress abstracts
Forum

PUBLICATIONS

The following information about the subject matter of two recent historical publications was kindly supplied by Elena Larionova, of the Institute of Natural Sciences at Perm State University. The reports are presented virtually verbatim as provided, with only minor grammatical editing.

Maximovich, E G, Maximovich, N G and Kataev, V N, 2004. *George Alekseevich Maximovich*. [Perm: "Cursive" Press.] (in Russian with English summary), 512 pages; photos 32 pages.



This book is devoted to the outstanding Russian geologist and karst researcher, Professor, Doctor of geological-mineralogical sciences, and honorary member of the Geographical Society of the USSR, George Alekseevich Maximovich (1904–1979). It contains his biography, sketches of scientific, pedagogical, international and public activities, as well as a list of his publications. The book also includes memoirs of his colleagues and his correspondence with outstanding Russian geologists and geographers of the Twentieth century, academicians V A Obruchev, V I Vernadsky, A E Fersman and others. It contains many photos reflecting his life and career. On the cover of the book are views of the Maximovich Hall from the Geologists-2 Cave in the Perm Region (Russia).

G A Maximovich's creative heritage is surprisingly varied. These are works on oil geology and hydrogeology, hydrogeochemistry and geomorphology, karst and speleology, seismology and the history of science.

During 53 years of scientific activity he published 544 scientific, popular science and other works, including several monographs. His works are published in Romania, France, Austria, Yugoslavia, Bulgaria, Germany, Czechoslovakia, England and Hungary. His popular science books were published in huge circulations.

The majority of his works were devoted to questions of karstology and scientific speleology. He was the founder of the Soviet scientific school of geological karstology. In his two-volume



Dr George A Maximovich with students in 1936. During preparations for the XVII Session of the International Geological Congress he was the leader of a complex geological expedition from Perm State University.

monograph, *Basics of Karstology*, which became the encyclopaedia for karst researchers, an enormous number of generalizations and new concepts are concentrated. The book was awarded a gold medal at the VI International Speleological Congress. Many classifications, concepts and terms developed by G A Maximovich in the field of karstology have become classical and are found in encyclopedias and dictionaries.

The second scientific direction developed by him was hydrogeochemistry and the chemical geography of waters. His concept of hydrochemical facies is used by experts worldwide. His monograph *Chemical Geography of Land Waters* was awarded a gold medal by the Geographical Society of the USSR.



Dr George A Maximovich in 1960.

The third direction, oil geology and hydrogeology, he developed in 1926–1934 during his work in Chechnya. Later, in the 1960s and 1970s, he devoted himself to this direction again, and developed theoretical bases of oil-and-gas karstology.

George A. Maximovich was born in 1904 in Warsaw, graduated in 1926 from Dnepropetrovsk Mining College, and worked as a geologist in Chechnya in 1926–1934. In 1934 he founded the Chair of Dynamic Geology and Hydrogeology at Perm State University and for 45 years was its Head. He defended his doctor's thesis in 1944, receiving the highest praise from academicians V I Vernadsky and F P Savarensky.

In 1947 he founded the first USSR periodical on karst and speleology, *Speleological Bulletin*, which became *The Caves* in 1961. For 30 years it was the only regular periodical on karst topics in the USSR. G A Maximovich was its editor-in-chief for 17 years, and for 15 years he was also the editor-in-chief of another periodical founded by him, *Hydrogeology and Karstology*.

In 1964 he founded in Perm the first USSR association of karst researchers and speleologists, the Institute of Karstology and Speleology, which coordinated research on karst in the USSR and united experts from 12 Soviet republics.

During 49 years of pedagogical activity G A Maximovich took part in the education and training of thousands of experts in the field of oil geology, hydrogeology, engineering geology, geophysics and other disciplines.

Several caves, as well as notable features within caves, in Russia, in the Ukraine, in Kazakhstan and in the USA are named after him.

Professor G A Maximovich – a scientist with a global name, whose theoretical research has received international recognition.

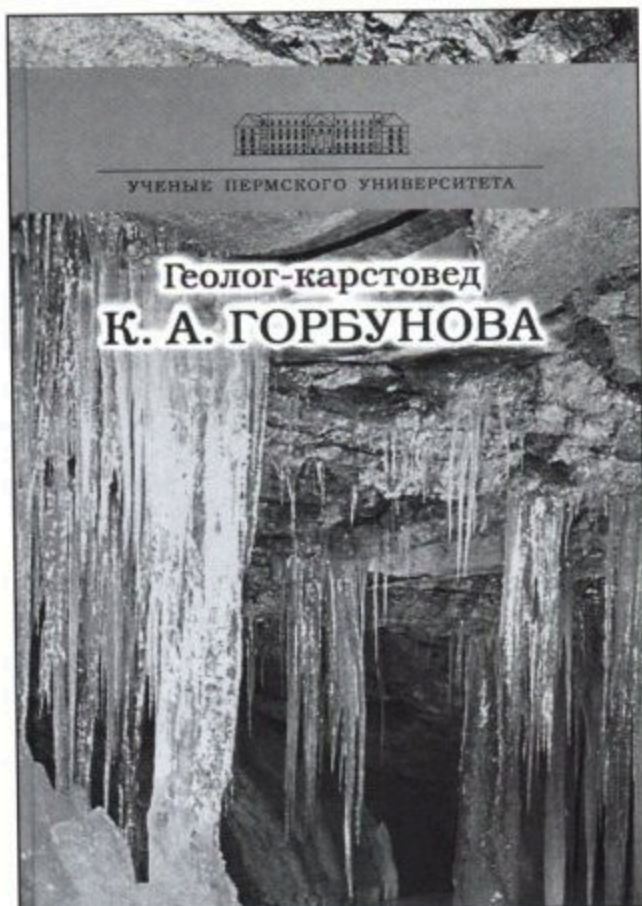
Maximovich, E G and Maximovich N G, 2002. *Geologist – Karst Researcher K. A. Gorbunova*. [Perm: Kursiv.](in Russian with English summary), 240 pages, 36 photos.

This book is devoted to distinguished Russian karst researcher Klara A Gorbunova (1925–1996). It contains a brief biography, sketches of scientific, pedagogical, international and public activities, as well as a list of her publications. The book includes recollections by her colleagues, as well as K A Gorbunova's memoirs regarding her studies at the Perm University and a history of the origin and development of karst science in Russia during the period 1947–1996.

K A Gorbunova made essential contributions to the research of karst regionalization, typology, morphology, hydrogeology, hydrology, geochemistry as well as the history of karstology. Her contribution to the research of gypsum karst is especially noteworthy. Many works are devoted to other areas of geology, some of which include speleology, geomorphology, geocology, as well as engineering geology. She is the author of 334 scientific works, including 8 monographs and a number of popular scientific works. Her last publications are devoted to the history of speleology in Russia and Kungur Ice Cave (Perm Region). Between 1993 and 1996 she was the scientific supervisor of complex studies of Kungur Ice Cave.

Career, scientific and pedagogical activities of K A Gorbunova are connected with the Perm University (1943–1996). She studied in the geological-geographical department between 1943–1948, continued her postgraduate studies at the University between 1948–1951, and successfully defended her PhD. thesis in 1956. K A Gorbunova worked at the Chair of Dynamic Geology and Hydrogeology between 1951–1993, and at the research division between 1993–1996. During 45 years of pedagogical activity, K A Gorbunova took part in the education and training of many experts in the field of hydrogeology, engineering geology, geophysics and several other specialties.

The Institute of Karstology and Speleology – the first association of karst researchers and speleologists in the former USSR – was founded in the city of Perm in 1964 by Professor G A Maximovich.



K A Gorbunova was the Deputy Director of the Institute between 1979–1992, and the Director of the Institute between 1992–1996. She was the editor of 66 editions on karst and other geological topics in 1958–1995, including the famous Russian periodical, "The Caves," which has been published in the city of Perm since 1961.



Dr Klara A Gorbunova.



The participants of the All-union conference on "Karst of Middle Asia and mountains countries", Tashkent City, 1979. From left to right: V.I Martin, K A Gorbunova, V N Kozevnikova, N A Gvozdeckij.

K A Gorbunova was a participant in the IV, VI and X International Speleological Congresses and several additional international forums on karst, speleology and other geological concerns. She was a member of a number of commissions of the International Union of Speleology, and was a participant of the international projects on karst topics. She was in contact with many outstanding foreign karst researchers, and hosted several scientists in the city of Perm between 1990–1995.

K A Gorbunova's scientific works are widely used and cited, not only in Russia but also worldwide. Her publications are included in international bibliographic editions; certain monographs became classical works during her lifetime.

The book was exhibited at the International Cave Expo in Sancheok, Korea in 2002.

You can make a request for this book to meg@permonline.ru or the Chair of Dynamic Geology and Hydrogeology of Perm University.