

OBITUARY

MAMED RAGIMOVICH ALIEV

On March 4, 1988 Ragimovich Aliev passed away unexpectedly, in his forty-eighth year. He was an eminent Soviet theoretical physicist, assistant chairman of the Scientific Soviet of the Academy of Sciences of the USSR for atomic and molecular spectroscopy, head of the laboratory of the Spectroscopy Institute of the Academy of Sciences of the USSR, doctor of physicomathematical sciences.

We have lost a scholar who in his brief life created a new direction in sciences related to the theory of oscillatory and rotatory molecular spectra. His works were well known by the scientific community and have entered into practical applications involving study of molecular processes.

In 1966 Aliev proposed a simple method for calculating the centrifugal expansion constant of multiatomic molecules, which is now widely used for calculating spectroscopic constants of a large number of simple molecules. He offered a correct interpretation of dynamic effects in the superfine structure of the quadrupole spectrum of methane halides, caused by non-rigidity of the matrix, and performed a series of studies on calculating higher order parameters in effective rotatory Hamiltonians for various types of molecules.

In 1982 together with D. Panoushek he published the monograph "Oscillatory-Rotatory Molecular Spectra," for which, as a member of an international group, he was awarded prizes by the Academies of Science of the USSR and Chechoslovakia.

Aliev was an active proponent of scientific studies, wrote several articles for encyclopedias, and participated many times in the work of Soviet and international conferences.

In his role as assistant chairman of the Scientific Soviet for atomic and molecular spectroscopy Aliev was deeply involved in scientific administrative work, being a member of the editorial board of the journal *Izvestiya Vysshikh Uchebnykh Zavedenii, Fizika*. He was directly involved in the organization and conduct of a number of All-Union meetings and conferences on spectroscopy.

The bright memory of Mamed Ragimovich, an eminent Soviet spectroscopist, scholar with a wide range of scientific interests and brilliant mind, an unassuming and charming person, will remain forever in the hearts of all who knew him.