

In memory of Igor Ekhiel'evich Dzyaloshinskii

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The outstanding theoretical physicist and corresponding member of the Russian Academy of Sciences (RAS), Igor Ekhiel'evich Dzyaloshinskii, passed away on July 14, 2021.

Thus has parted the last of the founders of the L D Landau Institute of Theoretical Physics (ITP) of RAS, a close colleague and disciple of Lev Davidovich Landau.

Quite recently (in February of 2021), many of us wished Igor Ekhiel'evich all the best on his 90th birthday in *Uspekhi Fizicheskikh Nauk* (*UFN*) [*Physics – Uspekhi*] journal and wished him health and the strength to continue his creative life.

Unfortunately, our well wishes were not fulfilled.

I E Dzyaloshinskii's great contribution to theoretical physics is well known and described in detail in the congratulatory note published in *UFN* (vol. 191 (2), p. 223, 2021) [*Physics – Uspekhi* vol. 64 (2), p. 214, 2021].

Here, we shall only recollect the main things.

To write about I E Dzyaloshinskii is a great honor for all of us, stained with sadness.

He was an example for us and for many other scientists. An example which his disciples and colleagues tried to live up to in both professional and personal respects. I E Dzyaloshinskii was an outstanding scientist, one of the leading theoretical physicists of his generation. He was famous for his profound knowledge of physics and mathematics, scientific experience, and imagination. It is for this reason that Dzyaloshinskii worked successfully in many fields of theoretical physics, providing deeper insight into magnetic phenomena, phase transitions, low-dimensional systems, liquid crystals, quantum crystals, and quantum liquids, as well as many other physical phenomena. Significant is I E Dzyaloshinskii's contribution to the development of methods of theoretical physics.

Striking for everyone who knew Dzyaloshinskii was the overwhelming intensity of his life, with a successful professional career in natural harmony with deep knowledge and keen interest in a wide range of problems.

He was head of the Sector of Magnetism Theory at the L D Landau ITP, and from 1991, professor at the University of California, Irvine (USA). His scientific advances were recognized by the Russian and interna-



Igor Ekhiel'evich Dzyaloshinskii
(01.02.1931 – 14.07.2021)

tional scientific community. Dzyaloshinskii was many times honored with awards, and he was an editor at the most prestigious Russian journals.

Dzyaloshinskii's advice and scientific consultations were always much in demand. His scientific ideas have always (to the present day) inspired researchers.

Along with scientific achievements, Dzyaloshinskii was distinguished by an encyclopedic knowledge of both physics and realms far beyond—history, psychology, and literature. Everyone who knew Dzyaloshinskii will remember him not only as a bright intellectual, but also as a man of exceptional human qualities: nobleness, fairness, and devotion to friendship.

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