ANNIVERSARIES

NIKON DANILOVICH TOMASHOV

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Professor N. D. Tomashov, an outstanding scientist in the field of the corrosion and protection of metals, Doctor of Chemical Sciences, and Honored Scientist and Technologist of the RSFSR, has celebrated his 70th birthday.

For more than 35 years Nikon Danilovich has headed the Laboratory of Corrosion of Alloys of the Institute of Physical Chemistry, Academy of Sciences of the USSR. He has published more than 300 articles and written eight monographs.

The development of the Soviet science of corrosion of metals has been linked with the name of N. D. Tomashov. His studies in the field of the theory of multielectrode systems, electrochemical protection, corrosion with oxygen depolarization and oxiding have been of great significance in the development and creation of modern methods and means of anticorrosion protection of metallic constructions.

N. D. Tomashov has made a significant contribution to the creation of the theory of corrosion-resistant alloying. On the basis of fundamental investigations of the corrosion and electrochemical behavior of stainless steels, titanium, and its alloys, the phenomenon of their self-passivation after the introduction of cathodic alloying additives has been established (recorded as a scientific discovery), and new effective means for producing alloys with high corrosion resistance have been proposed.

The studies of N. D. Tomashov on the influence of alternating current on corrosion processes, the investigation of the electrochemical characteristics of certain rare metals, the development of methods of accelerated tests of the tendency of stainless steels for intercrystallite corrosion, the study of the kinetics and mechanism of the hydrogenation of titanium and its alloys in corrosion and etching, as well as the investigation of the electrochemical behavior of a freshly protected metal surface, are widely known.

We should also mention the studies of N. D. Tomashov in the field of the investigation of the electrochemical properties of compact oxides and surface oxide layers on metals and alloys.

N. D. Tomashov has paid great attention to the preparation of staffs of corrosion specialists. For a number of years he has headed the chair of Corrosion of Metals at the Moscow Institute of Steel and Alloys, and he has trained more than 30 Candidates and Doctors of Sciences.

The studies of N. D. Tomashov have received wide recognition in our country; he has been awarded the title of Honored Scientist and Technologist of the RSFSR, and has been awarded the Order of the Red Banner of Labor and three times the Order of the Sign of Honor, as well as medals. Articles and books by N. D. Tomashov have been repeatedly translated abroad: "The Theory of Corrosion and Protection of Metals," has been translated into English, Polish, and Chinese; "Passivity and Protection of Metals" has been published in the United States; "The Corrosion of Metals with Oxygen Depolarization" has been published in the Korean People's Republic.

N. D. Tomashov places a high priority on participation in scientific and technical conferences, where he has presented reports on the most urgent problems. He has been a participant in all six International Congresses on Corrosion, and at two of them was Honorary Vice President.

We wish Nikon Danilovich good health and the realization of all his scientific ideas.

Translated from Élektrokhimiya, Vol. 12, No. 5, p. 837, May, 1976.