

Frantsevich L.I., Gaychenko V.A., Kryzhanovsky V.I. Animals in the radioactive zone. - Kiev: Nauk. Dumka, 1991 .-- 128 p.

The book was written by the participants in the liquidation of the consequences of the accident at the Chernobyl nuclear power plant and contains impressions of the authors about the nature of the Zone and the working conditions in it. The direct effects of radiation damage of animals in the environment near Chernobyl nuclear power plant are described and extensive secondary environmental changes caused not only by radiation damage to individual elements of the biocenosis, but also by large-scale changes in the mode of human activity in the 30-kilometer zone (evacuation, termination of agricultural work, protective hydraulic engineering measures). The basic concepts of radiometry, radioecology, radiobiology and genetics are explained. The accumulation of radionuclides by wild animals and the role of animals in the cycle of radionuclides are analyzed. Animals are seen as a model of the worst human condition in a contaminated area. The 30-kilometer zone has become a kind of “reserve”, attracting animals, including rare ones, with apparently favorable living conditions and at the same time dangerous for them in the central site.