Sossinsky, Alexy
Mathematicians and mathematics education: a tradition of involvement. (English)

From the introduction: One of the most remarkable characteristics of Russian school-level mathematics education is the fact that research mathematicians have participated in it in a variety of different ways. World-famous mathematicians such as A. N. Kolmogorov and A. D. Alexandrov have written school textbooks. Hundreds of research mathematicians (including the two just mentioned) have spent many hours teaching or observing classes in schools. Many Russian research mathematicians have become passionately involved in organizing mathematics clubs (or “mathematics circles”, as they are known in Russia) or in writing problems for all kinds of mathematics olympiads.

The aim of this chapter is to describe several examples of such service to mathematics education. Such a description, naturally, will be limited – the history of the involvement of Russian mathematicians in the problems of school-level education might begin with Euler, and certainly with Chebyshev, but I will focus mainly on what happened after 1955.

For the entire collection see [Zbl 1192.00023].

MSC:
00A35 Methodology of mathematics
01A60 History of mathematics in the 20th century
97A30 History in mathematics education