

## **Memorable Interactions with Professor Roman Teisseyre**

Teruo YAMASHITA

Emeritus Professor, the University of Tokyo

I first heard of Prof. Roman Teisseyre in the early 1970s, shortly after I began my research in seismology as a graduate student at the University of Tokyo. In the early 1970s, it had just been mathematically proven that earthquake rupture could be represented by a double couple using the elastic theory of dislocations, and there was a flurry of research attempting to understand various aspects of earthquake rupture using the elasticity theory of dislocations. It was one such study that brought me to know the name of Prof. Teisseyre. Namely, a paper about the mechanism of earthquake swarms based on the elasticity theory of dislocations, co-authored by him and Keichi Kasahara, who was then a professor at Earthquake Research Institute (ERI) of the University of Tokyo. I remember being inspired by this paper, but it was nearly 30 years later that I could write my own paper on the mechanism of earthquake swarms. At the time of writing the above paper, Prof. Teisseyre was teaching at the then International Institute of Seismology and Earthquake Engineering (IISEE) in Tokyo (now relocated to Tsukuba City) as a United Nations educational expert.

However, it is not clear how we came to know each other. Since he had maintained strong ties with Japan after his stay at IISEE, it is likely that we met in Japan. Anyway, we had some interesting academic discussions at ERI. Those discussions resulted in joint papers. Research exchanges with him continued, and his young colleagues (Profs. Z. Czechowski and P. Senatorski) also visited ERI and stayed there for a while. Although I am a seismologist myself, the collaboration with the group of Prof. Teisseyre allowed me to learn different perspectives on deformation phenomena. I have also visited the Institute of Geophysics PAS twice, the second time with my wife, and the kindness of Prof. Teisseyre and other people at the Institute made our visits memorable. All in short, thanks to Prof. Teisseyre, I was able to have a broad exchange with people at the Institute of Geophysics PAS. This was not only an academic exchange, but I also learned a lot about the history and culture of Poland. I would like to express my deepest gratitude to Prof. Teisseyre. I could see him for the first time in many years during the 2015 IUGG meeting in Prague and renew old friendships. Unfortunately, that was the last time I saw him.

Received 19 July 2023

Received in revised form 26 October 2023

Accepted 22 November 2023