



Józef Edward MOJSKI

On the stratigraphy of the Last Glaciation on the Dolne Powiśle and the Elbląg Elevation area (Northern Poland)

REPLY

I am very indebted both to A. Makowska for her comments to my hypotheses and to the Editorial Board of the Geological Quarterly for publishing them (J. E. Mojski, 1992). The discussion by A. Makowska (this volume) is very extensive and comprehensive. My actual notice is however very short.

My opinions on geological structure of the Younger Pleistocene from the Elbląg Elevation could be really defined as hypothesis. But the peculiarity of hypothesis is a possibility that it could be, at least in part, false. Its role in the science development is completely other than A. Makowska suggests and I am sure that she is fully aware of it. It is worse if the results of the studies of many years are interpreted in such way that they involve variable doubts among readers and listeners. The participants of conference in September 1991 have expressed such doubts several times, not neglecting the immense field investigations and cartographic successes of A. Makowska. It is possible that I do not understand some interpretations of results of her studies and I would like it will be my blame. But in my remarks I have not made, as was suggested by A. Makowska, any assumptions. My opinions on structure of the Elbląg Elevation are based both on knowledge of outcrops mainly obtained aside from scientific excursions and above all — on detail studies of works of A. Makowska. And these works but not „assumptions“ have caused my reaction.

I understand the discussion by A. Makowska for my remarks wholly but I could not agree with its sense except of such parts where she writes, „... the studies being

carried on...". A general satisfaction that such investigations are continued should be enhanced and a hope that they could definitely precise the real situations.

I would like to add also only two of many possible detail remarks:

1. I have noticed an occurrence of three glacial horizons of post-Eemian age on the western margin of Żuławy Wiślane independently to studies of A. Makowska carried on other areas. But I do not deny usefulness and necessity of comments of A. Makowska to opinions of other scientists related to other areas also in such situation when she does not know them in details. On the contrary, I find it as a one of necessary condition of progress in science.

2. The relation between the first, counting from bottom, glacial horizon of the Last Glaciation and the Brörup Interstadial has been never evident wholly for me earlier and is still not now. In last period of fifteen years the age of the Brörup has been removed always downward in time scale. But a position of glacial horizon in local sequence of Late Pleistocene was evident since a long time. It should be regarded in commenting of various, not only my own, earlier opinions.

I am sure that authors of serious scientific syntheses are obliged to apply always a proper evaluation of their own achievements. There are various methods to acquire such self-criticism but it is other theme for discussion.

Translated by Grzegorz Czapowski

REFERENCES

- MOJSKI Józef Edward (1992) — On the stratigraphy of the Last Glaciation in the Dolne Powiśle. *Kwart. Geol.*, 36, p.221–232, nr 2.