

2015 WORK PLANS OF THE PROJECT GROUP ON CARBONIFEROUS MAGNETOSTRATIGRAPHY

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During the last several years there was considerable progress in refining and integrating the magnetostratigraphy previously obtained from the Maritime Provinces in Canada and the Mauch Chunk Formation in the Appalachian Basin of the eastern USA by integrating magnetostratigraphy with palynostratigraphy through the work of Opdyke *et al.* (2014). The project group's main efforts will be to extend the pattern established in Canada and the USA, to fill the data gap occupied by the Mississippian-Pennsylvanian disconformable boundary in North American sections, and to extend the polarity pattern down into the Viséan and Tournaisian. The project group is planning for a United Kingdom-based project that will include Andy Biggin of Liverpool and Mark Hounslow of Lancaster to undertake some of this task as part of a bigger geodynamo modelling project. The group plans to start the project in early 2016. Kate Ziegler [ZGC, New Mexico] is planning on some re-evaluation of the Pennsylvanian –Permian boundary strata in central New Mexico by searching for an original hematite magnetization.

References

OPDYKE, N.D. GILES, P.S. & J. UTTING (2014): Magnetic polarity stratigraphy and palynostratigraphy of the Mississippian-Pennsylvanian boundary interval in eastern North America and the age of the beginning of the Kiaman. - *Geological Society of America Bulletin*, **126**: 1068-1083.