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Palynomorphs from Metamorphic Rocks in Southern Anhui and Their Geological Significance

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Acta Geol. Sin. (Chinese Edition), 1996,70(4): 374–382.

The southern Anhui metamorphic terrane is traditionally regarded as a part of middle–late Proterozoic " Jiangnan Old Land" . Based on the occurrence of palynomorphs *Asperatopsophosphaera* sp., *Trachysphaeridium* sp. and *Nucellosphaeridium* sp. (late Proterozoic–early Palaeozoic) and *Lophosphaeridium* sp., *Leiosphaeridia* sp., *Baltisphaeridium* spp., *Micrhystridium* spp., scolecodonts and some other microfossils as well as *Lingulaces* (early Palaeozoic) reported by the present authors, a part of the metamorphosed strata should be of late Proterozoic–early Palaeozoic and early Palaeozoic age. In addition, some metamorphosed strata with the sporopollen *Crassispora* sp., *Kraeuselisporites* sp. and *Lueckisporites* cf.*Virkkiae* Potonie & Klaus, *Triquitrites* sp. etc. are inferred to be of late Palaeozoic age. Therefore, the present authors suggest that this metamorphic terrane is a collisional orogen formed from late Proterozoic–early Palaeozoic to Mesozoic, rathern than an old land, though some pre–middle Proterozoic strata might exist therein.