

## Middle Archean volcano-hydrothermal sequence with early life. -32 Ga Dixon Island Formation, Western Pilbara, Australia-

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The 32 Ga black chert in the Dixon Island Formation has been found the well-preserved bacterial shape and dendritic fossil material. The Dixon Island Formation is one of best sequence to see the Archean hydrothermal sequence (immature island arc) in the West Pilbara (Kiyokawa and Taira, 1998). It is part of the bimodal cyclic sequence of the 32 Ga Cleaverville Group in the West Pilbara. Here we will detailed described as an example of the relationship between well preserved hydrothermal system and its related bacterial material.