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Trace of the Ryokami-yama thrust in the eastern part of the Ryokami-yama area in the Kanto Mountains

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The Ryokami-yama Formation (corresponding to the Ryokami-yama chert unit of Hisada et al., 1992), a constituent of the Chichibu composite Terrane, is distributed in the Ryokami-yama area in the Kanto Mountains, central Japan. Hisada et al. (1992) estimated that the Ryokami-yama Formation is almost composed entirely of chert, and overlies the Ryokami Formation (corresponding to the Ryokami unit of Hisada et al., 1992) and the Nogurizawa unit as a nappe on the Ryokami-yama thrust (Ueno et al., 2001). Yoshida and Matsuoka (2003) recognized terrigenous clastic rocks within the Ryokami-yama Formation, and pointed out that the Ryokami-yama Formation is characterized by a pile-nappe structure of chert-clastics sequences. We studied the eastern part of the Ryokami-yama area, and determined the trace of the Ryokami-yama thrust. The lowermost part of the Ryokami-yama Formation is composed of thick bedded red chert and greenstone. The red chert is tuffaceous and is intercalated with dolomite layer. Permian radiolarians (such as *Pseudoalbaillellasp.* and *Entactiniasp.*) were obtained from red chert. The red chert and greenstone dip gently. The Ryokami Formation is characterized by thin bedded chert and melange. The melange contains chert, greenstone, sandstone, siliceous mudstone and siliceous claystone. Most of bedding-plane and cleavage-surface of these rocks strike NW-SE and dip 40 to 70-degree northeast. Triassic radiolarians (such as *Annulotriassocampesp.*, *Capnodocep.* and *Muelleritortisp.* and conodonts were yielded from thin bedded chert. Melange contains chert, greenstone, sandstone, siliceous mudstone and siliceous claystone. Early Jurassic radiolarian fossils (such as *Canoptumsp.*, *Parahsuomsp.* and *Pantanelliumsp.*) were obtained from a chert block in melange.

Keywords: accretionary complex, Chichibu composite terrane, Ryokami-yama Formation, Ryokami Formation, Kanto Mountains, Ryokami-yama thrust