

## Micro to nano-scale minerals grains in Ohmi and Akiyosi limestones.

# sayaka hirai[1], Junji Akai[2], Yoshiyuki Hasegawa[3]

[1] Dept. Geology, Fac.Science, Niigata Univ, [2] Departm. Geol. Fac. Sci. Niigata Univ., [3] Fac.Sci.,Niigata Univ.

Dissolution residues of limestone specimens from Akiyoshi and Ohmi and other localities were examined by TEM. The mineral grains in the residues are micro to nano-scales. The minerals found are apatite, pyrite, cosmic spherules, magnetite, rutil and graphite. More graphite grains were found in BBSC (Blackish Brown Sparry Calcite) than the other horizons. They may be due to biogenic in origin.