

Lahar disaster caused by the latest eruption of Towada volcano, Japan -finding of buried house and its tree ring dating-

Kazuyuki Akaishi[1], Takumi Mitsutani[2], Noriyoshi Itahashi[3]

[1] Natural Science, Osaka Kyouiku Univ., [2] Nara National Cultural Properties Research Institute, [3] Odate Museum

<http://www.sci.osaka-kyoiku.ac.jp/nssystem/akaishi/>

We found and excavated ancient house buried in lahar deposits caused by the latest eruption of Towada volcano, northeastern Japan. The house, built on black soil, was covered by Towada-a ash and buried in lahar deposits generated by the Kemanai pyroclastic flow. Accurately dating of building materials, dendrochronology revealed that the house built after A.D. 912. Based on this result and record of historical document, we can show that the latest eruption of Towada volcano, caused falling Towada-a ash, occurred in A.D. 915. From the study of varve counting of lake deposit and record of historical document, we suggest that the eruption of Baegdusan, caused falling Baegdusan-Tomakomai ash, occurred in A.D. 939.