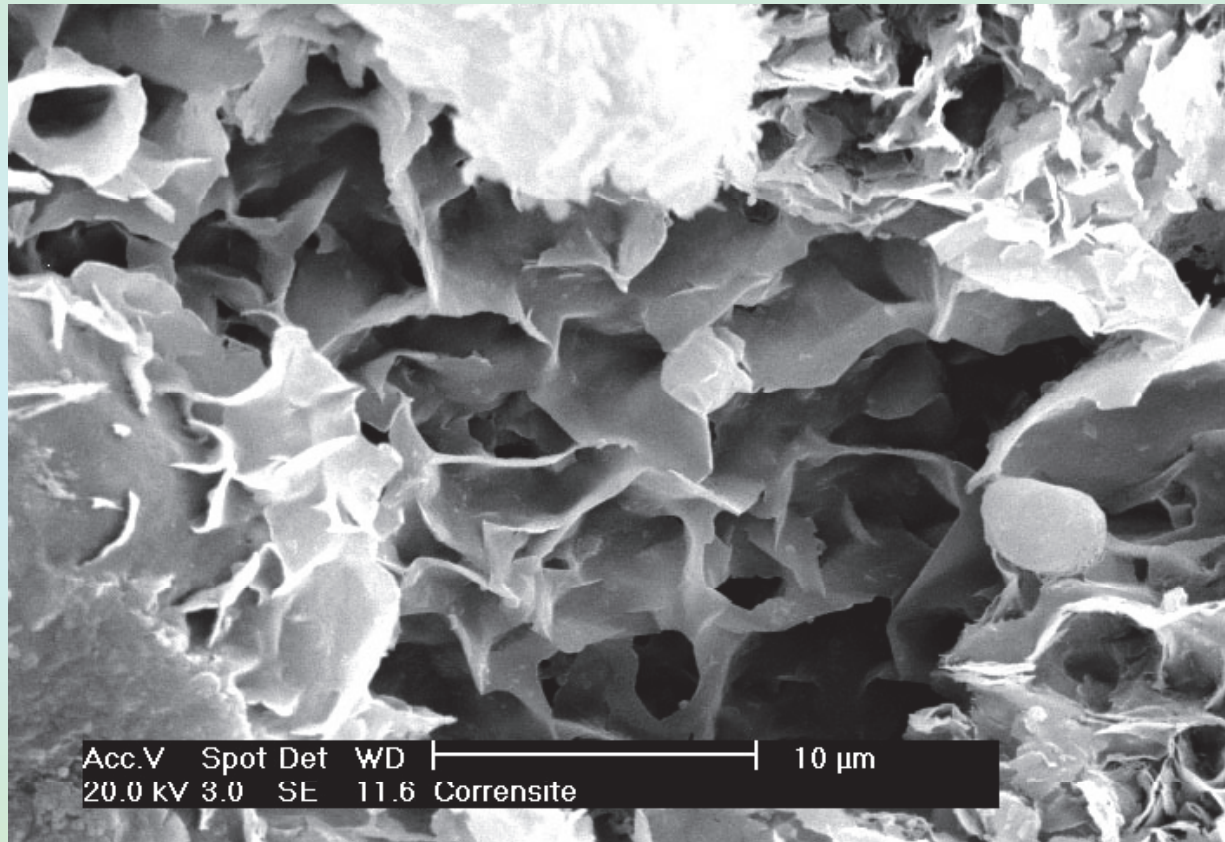
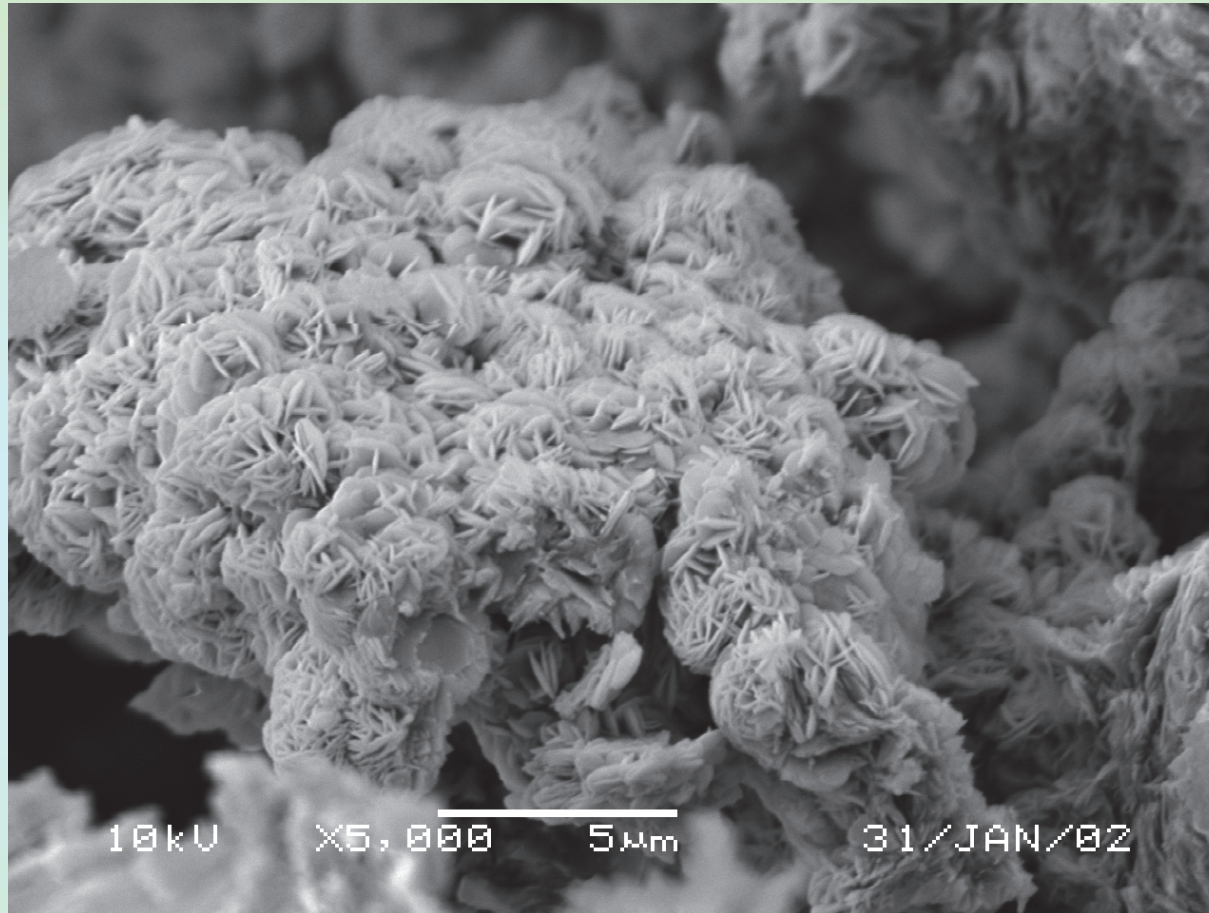


JÍLOVÉ MINERÁLY



Zobrazení rastrovací elektronovou mikroskopií 1

Gibbsit

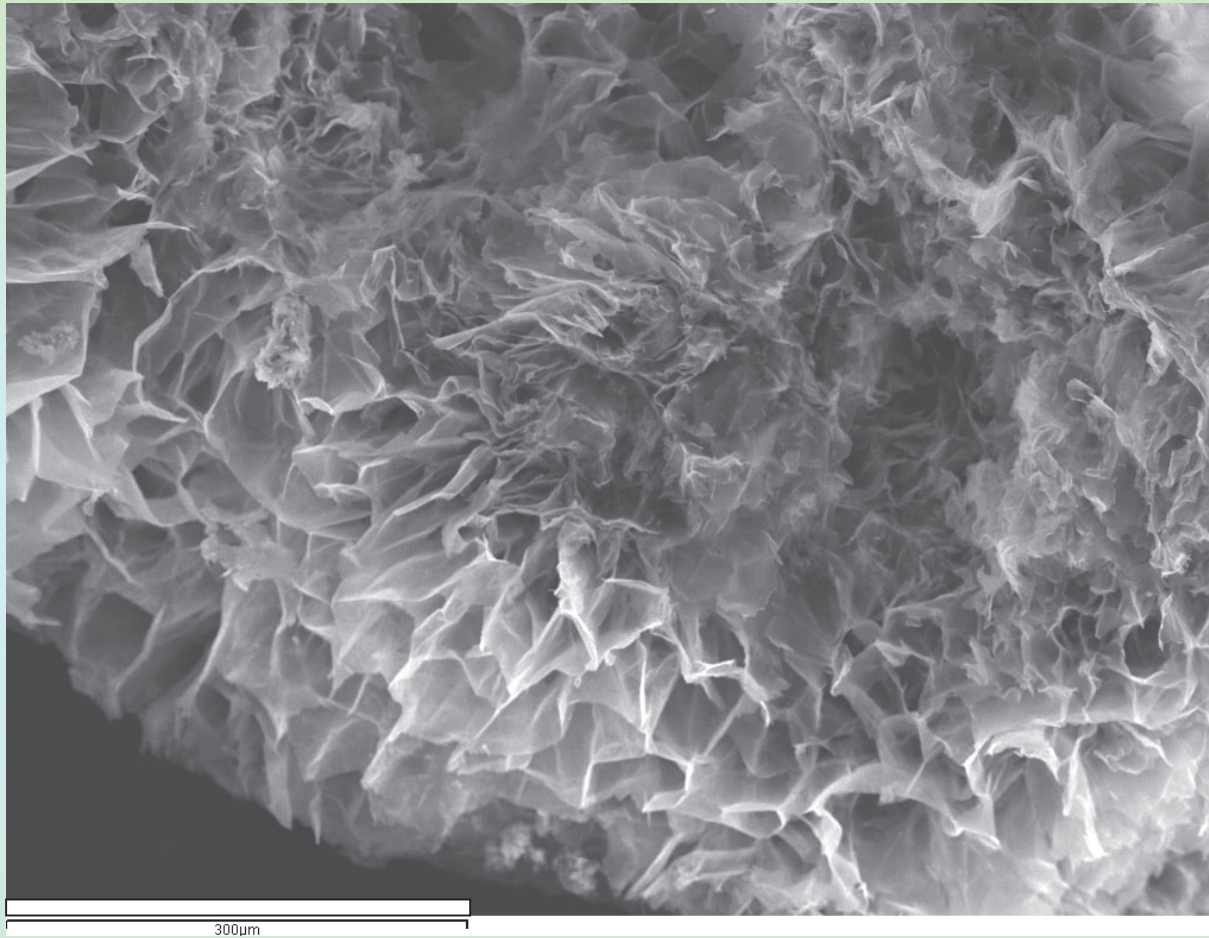


Gibbsite from a latosol, Amazonia

Photo courtesy of *Alexandre Pereira de Bakker*. Sample lato-13

<http://www.minersoc.org/pages/gallery/claypix/>

Fe-Mastek

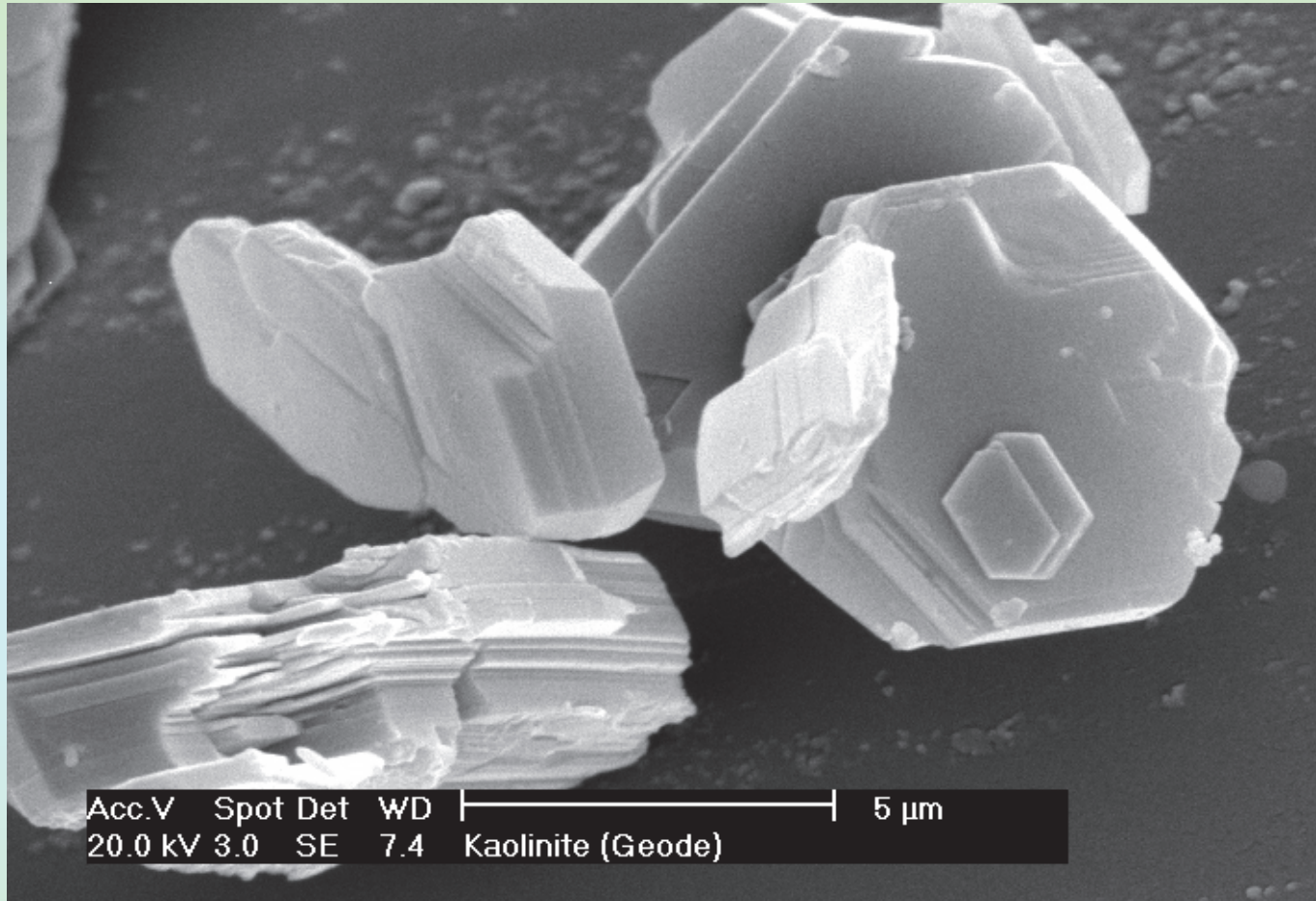


East Pacific Rise (East Seamount, latitude: 20°N, longitude: 109°W, depth 1700 m). Produced by hydrothermal alteration of basalt.

Photo courtesy of Javier Cuadros and Vesselin Dekov, Natural History Museum, London, UK

<http://www.minersoc.org/pages/gallery/claypix/>

Kaolinit 1

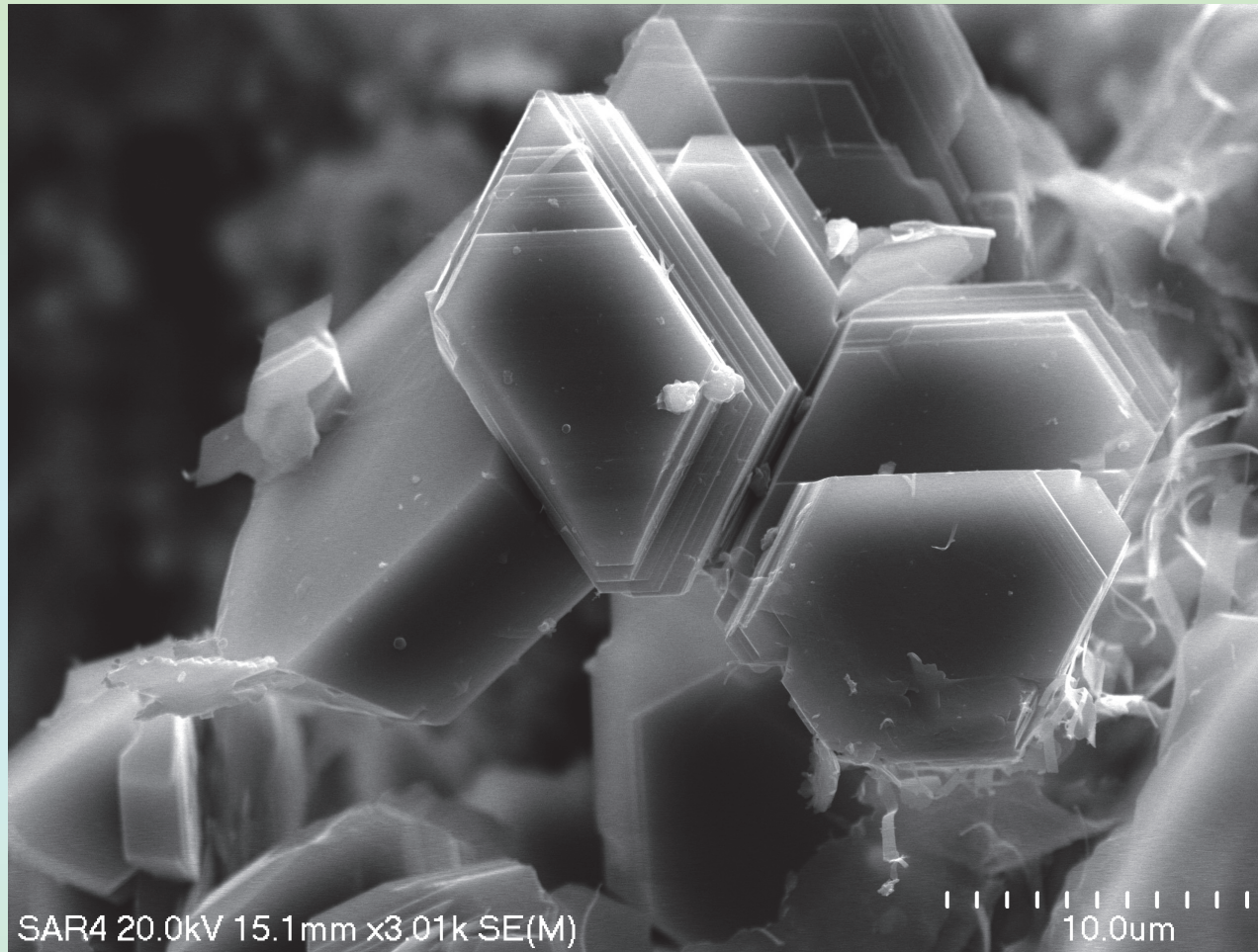


Well crystallized kaolinite from the Keokuk geode, USA

Photo courtesy of M. Roe, from a sample in the Macaulay Institute Collection)

<http://www.minersoc.org/pages/gallery/claypix/>

Kaolinit 2



Kaolinite Weissliegend sandstone from Fore Sudetic Monocline

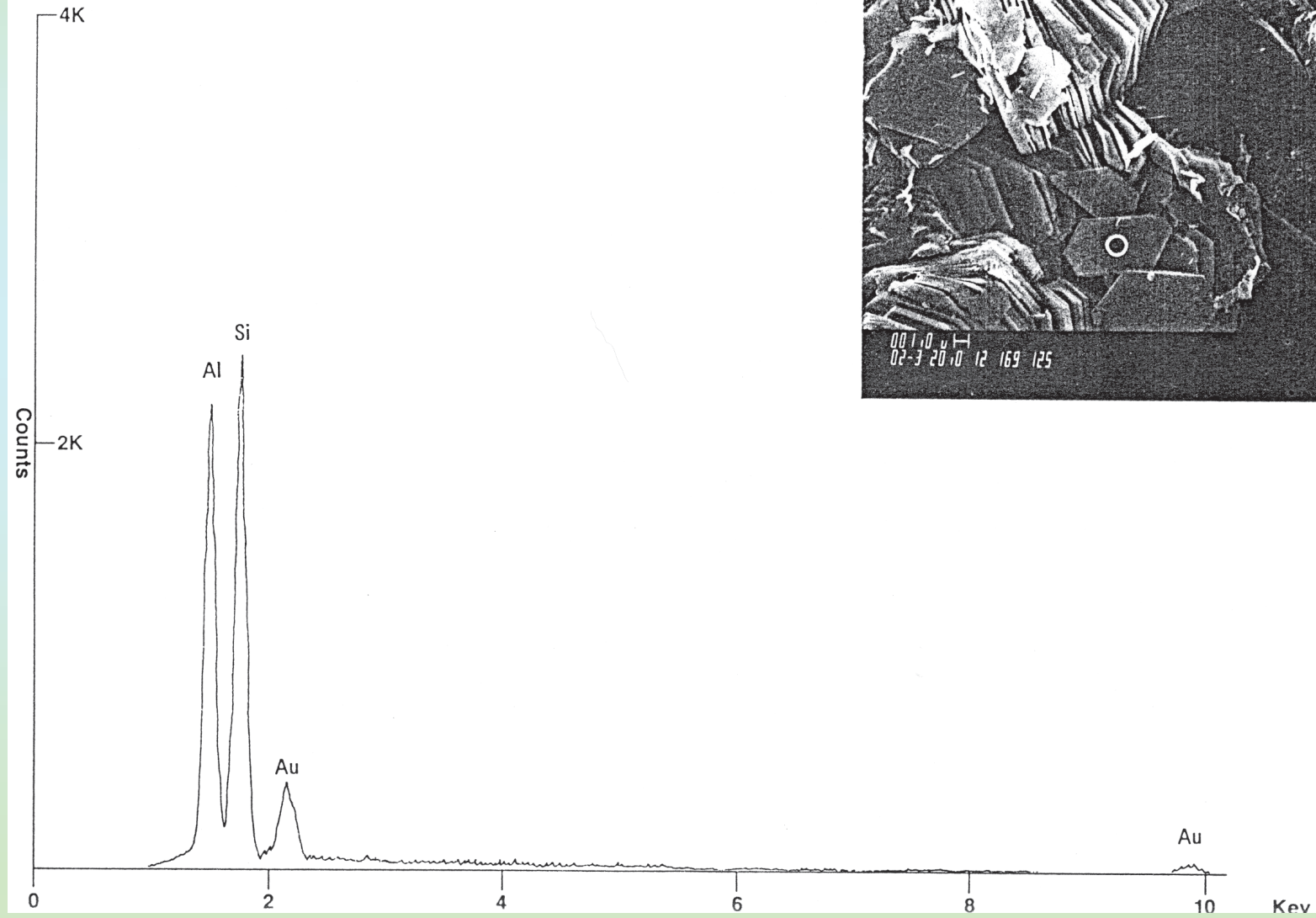
Photo courtesy of Michal Skiba, Institute of Geological Sciences, Jagiellonian University, Kraków

<http://www.minersoc.org/pages/gallery/claypix/>

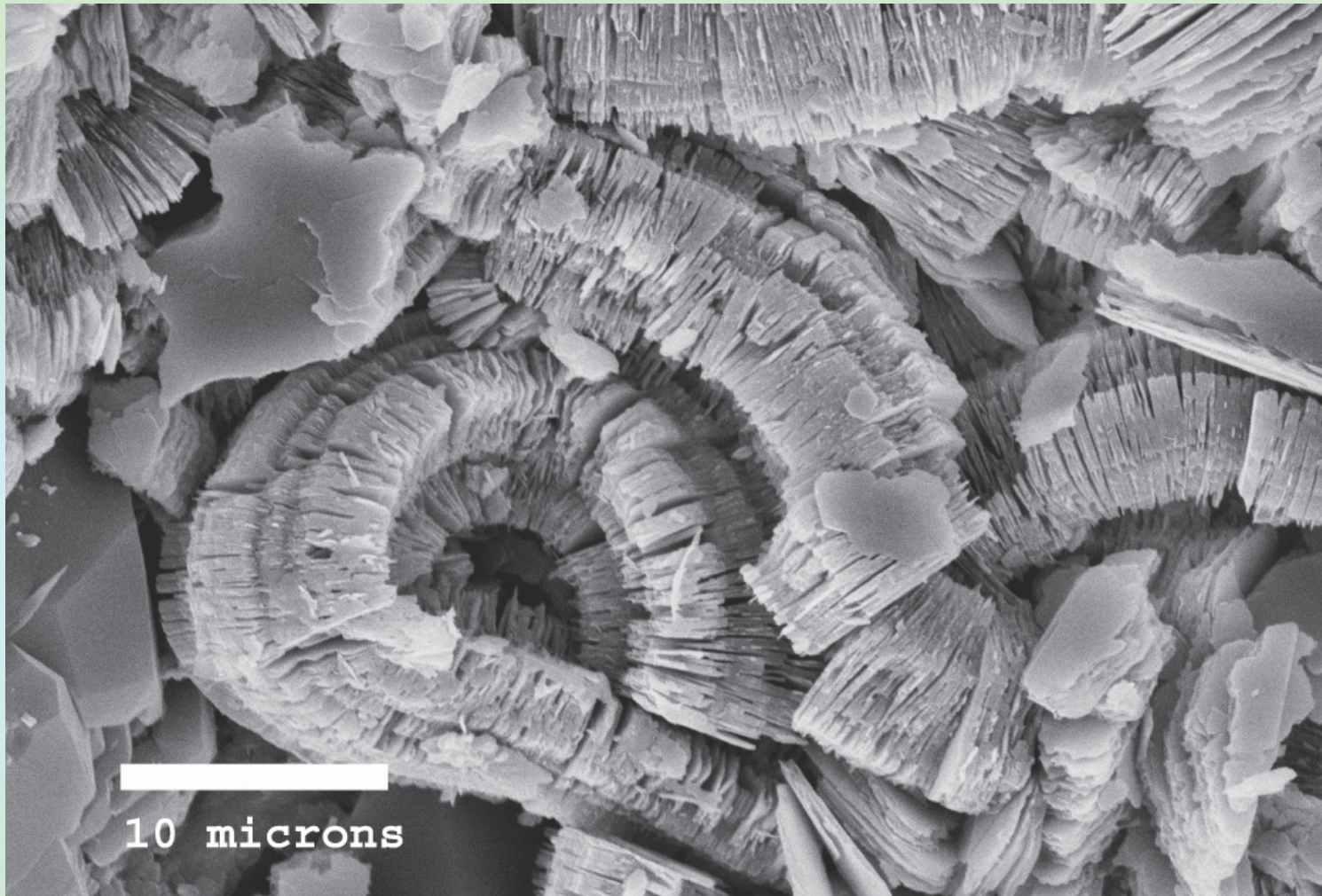
Energy Dispersive X-Ray Spectrum (EDX)

Kaolinite $\text{Al}_4 [\text{Si}_4 \text{O}_{10}] (\text{OH})_8$

kaolinit



Kaolinit - červíkovitá forma

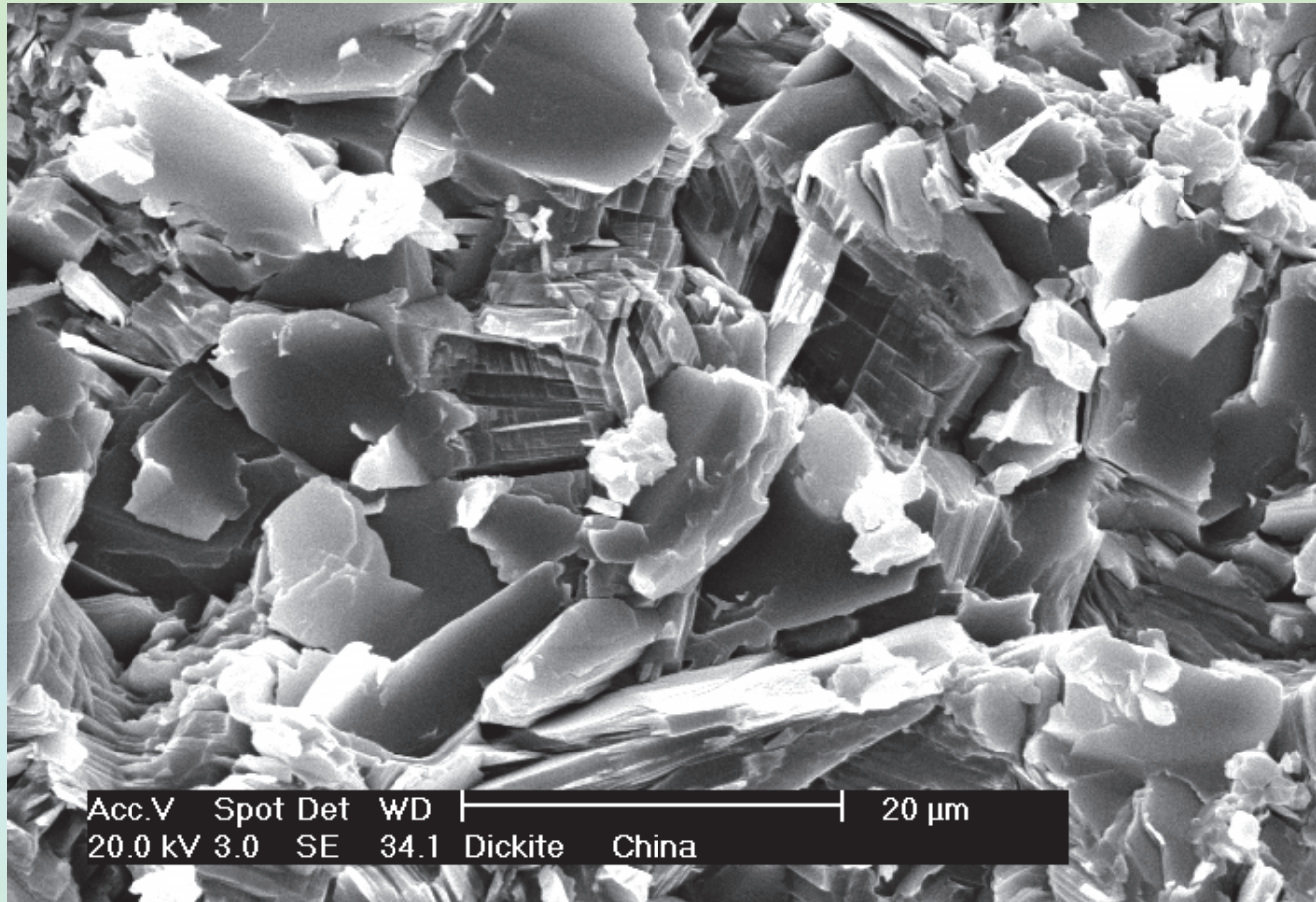


Vermiform kaolinite from the Eyre Peninsula, South Australia

Photo courtesy of *Ray Frost, Sample "K"*)

<http://www.minersoc.org/pages/gallery/claypix/>

Dickit

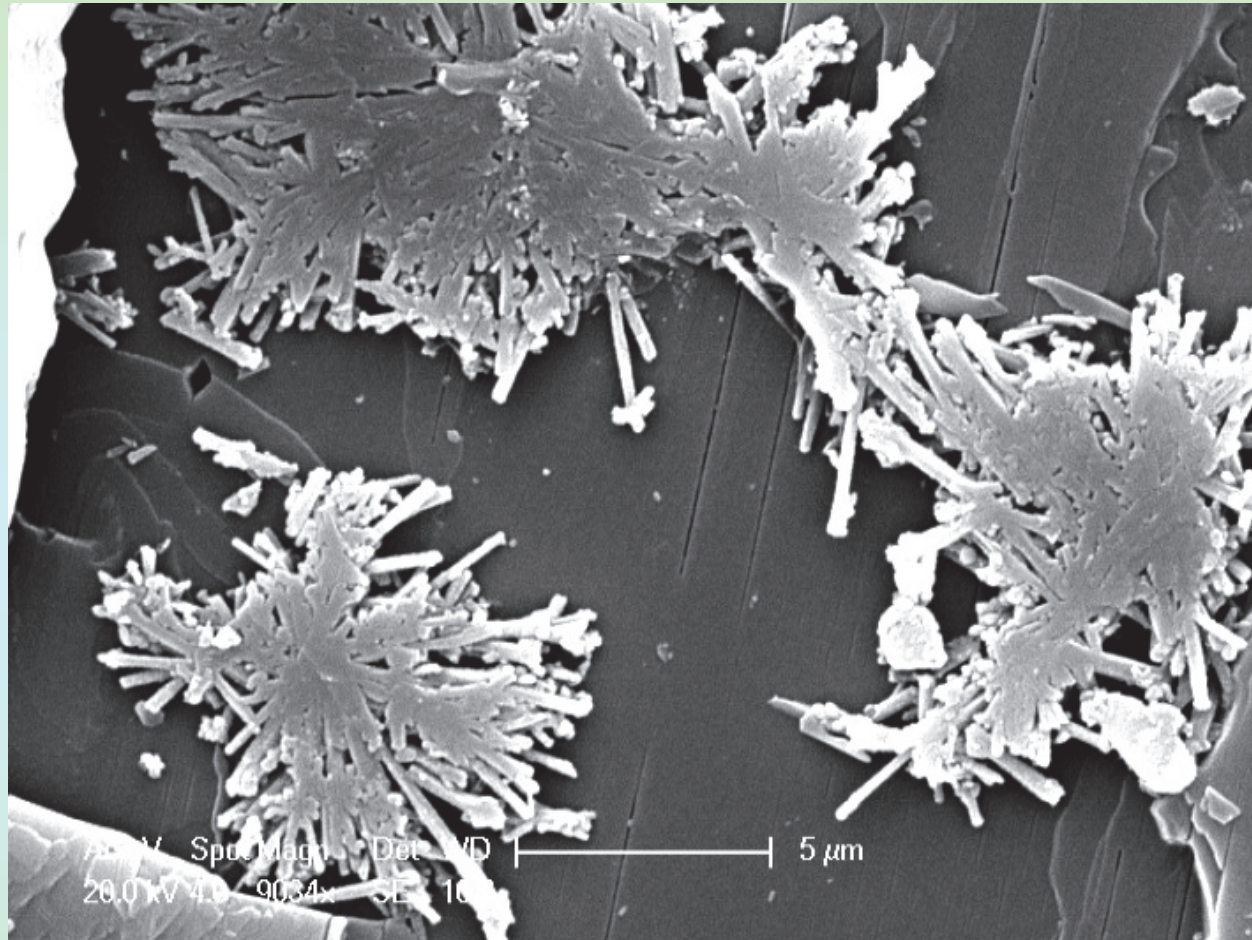


Dickite rock, Songyang County, China

Photo courtesy of M. Roe, Macaulay Institute. Sample 'Dick-9', Macaulay Colln.

<http://www.minersoc.org/pages/gallery/claypix/>

Halloysite

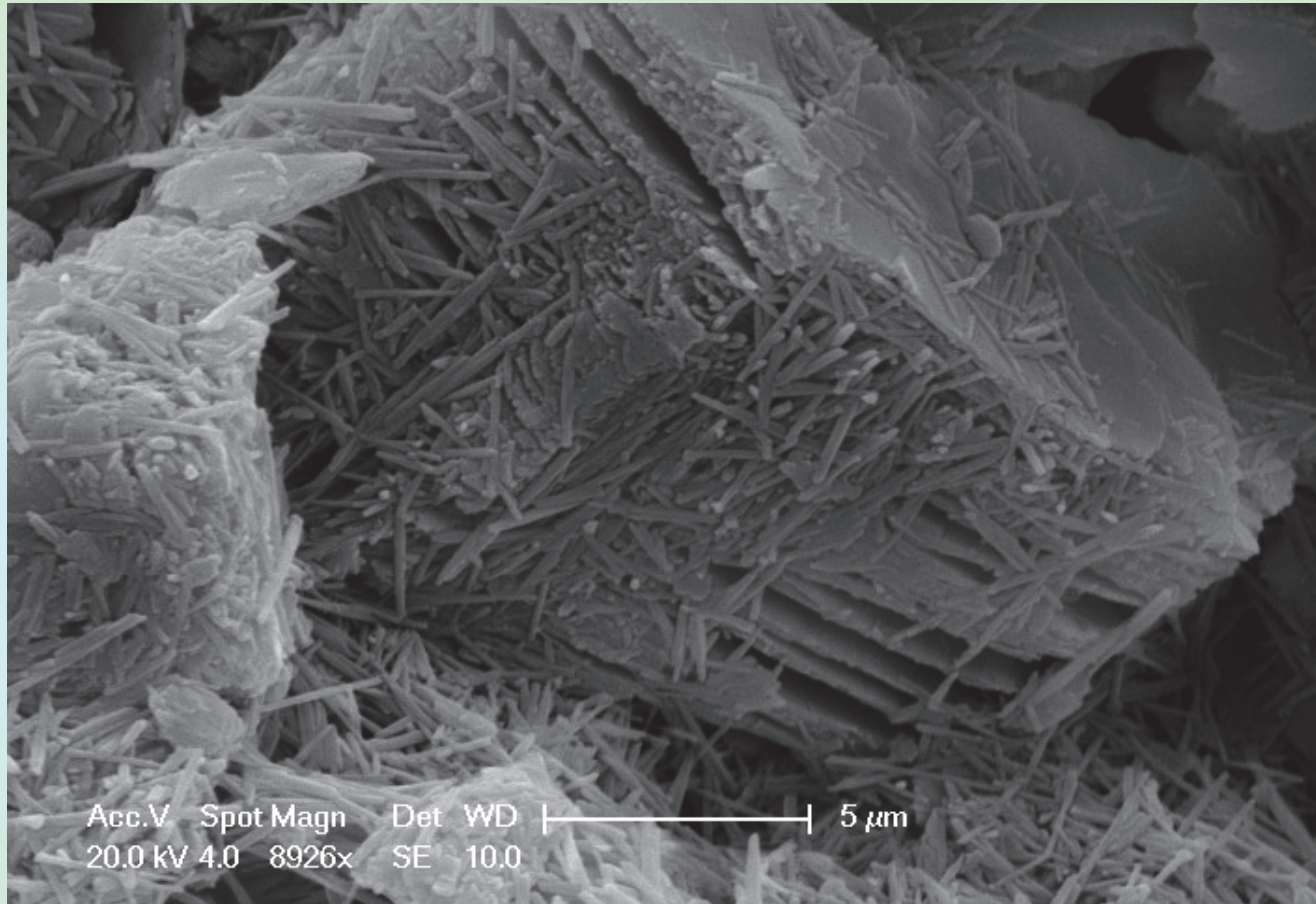


Halloysite - on surface of K-feldspar with albite dissolution lamellae

Photo courtesy of Zainuddin Yusoff, School of Geosciences, The University of Edinburgh, Scotland

<http://www.minersoc.org/pages/gallery/claypix/>

Halloysit pokrývající zvětralý illit

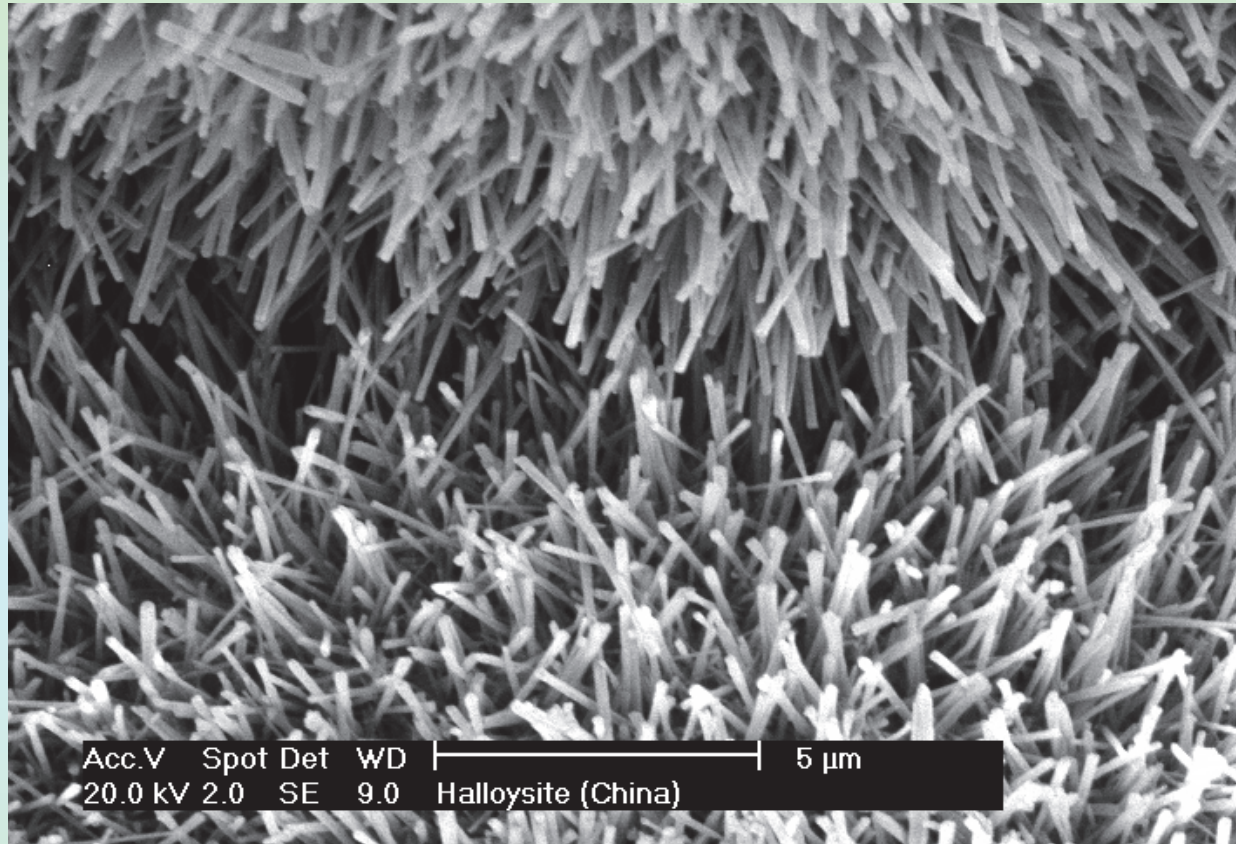


7.5m below topsoil, laterite, Cheras, Kuala Lumpur, Malaysia

Photo courtesy of Zainuddin Yusoff, School of Geosciences, The University of Edinburgh, Scotland

<http://www.minersoc.org/pages/gallery/claypix/>

Halloysit trubicovité

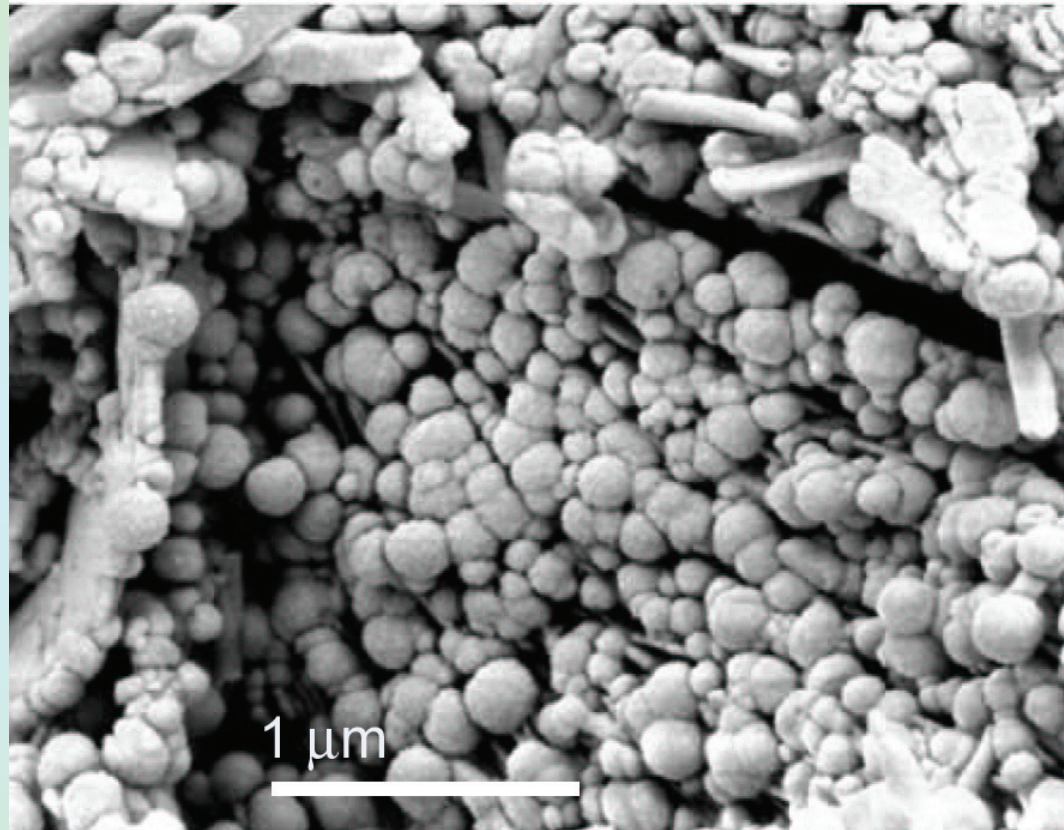


Tubular Halloysite from Yunnan, China

Photo courtesy of M. Roe, Macaulay Institute, of a sample from Ye Ying, Zhejiang University, China

<http://www.minersoc.org/pages/gallery/claypix/>

Halloysit - sféroidy

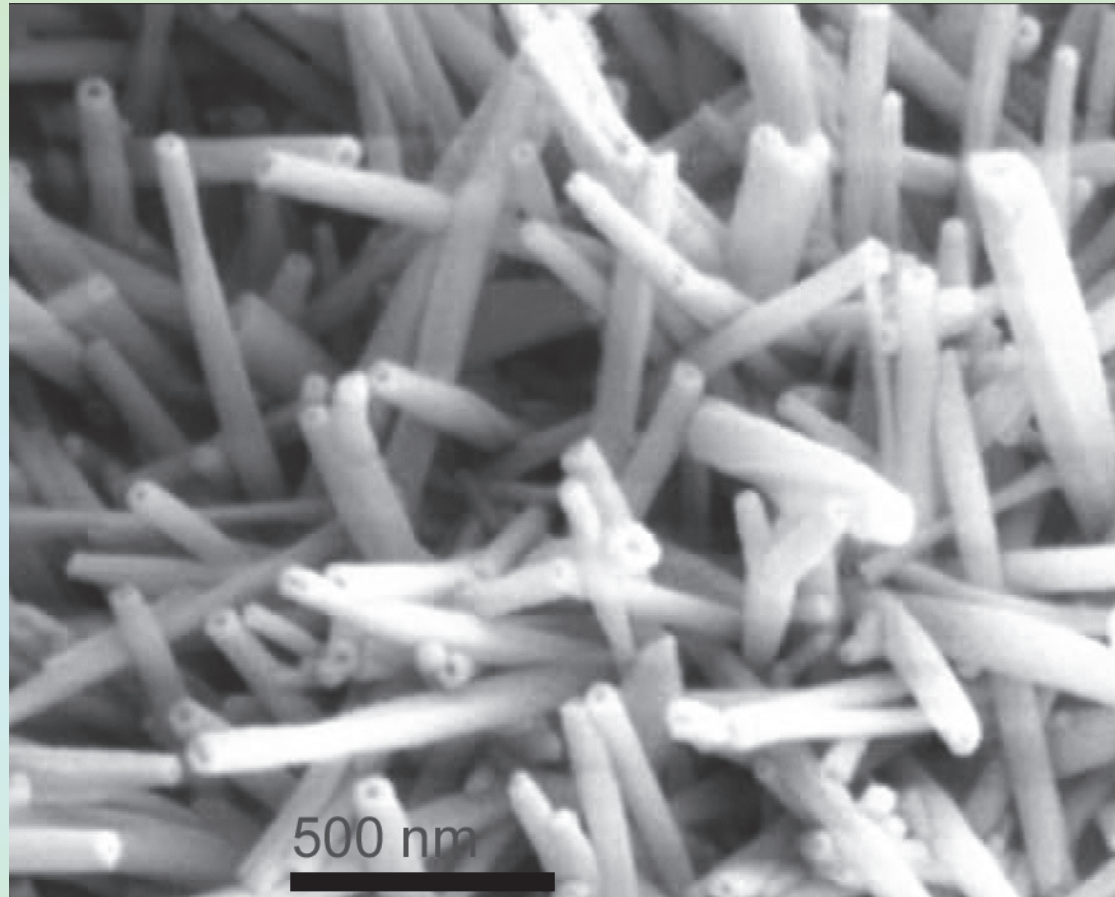


From Turplu Mine, Balikesir, Turkey

Photo courtesy of Ömer Işık Ece, Istanbul Technical University

<http://www.minersoc.org/pages/gallery/claypix/>

Halloysit - duté trubice

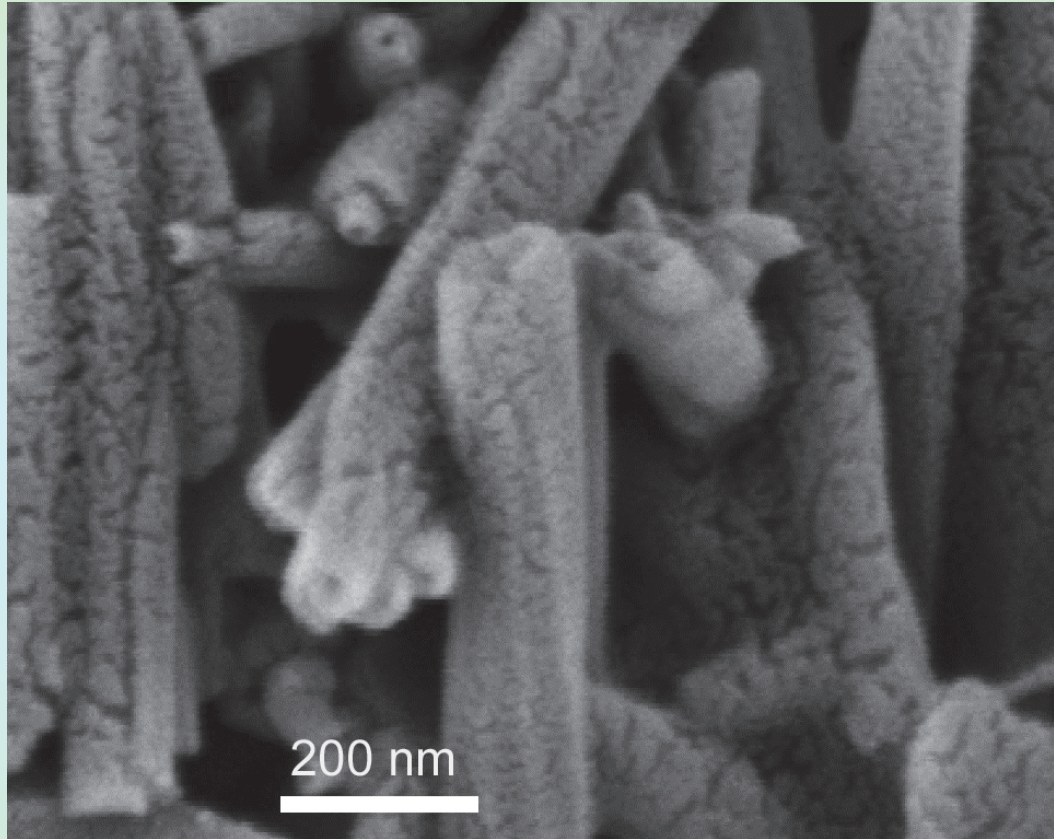


From Turplu Mine, Balikesir, Turkey

Photo courtesy of Ömer Işık Ece, Istanbul Technical University

<http://www.minersoc.org/pages/gallery/claypix/>

Halloysite - kryoskopický obraz s vymraženou vodou



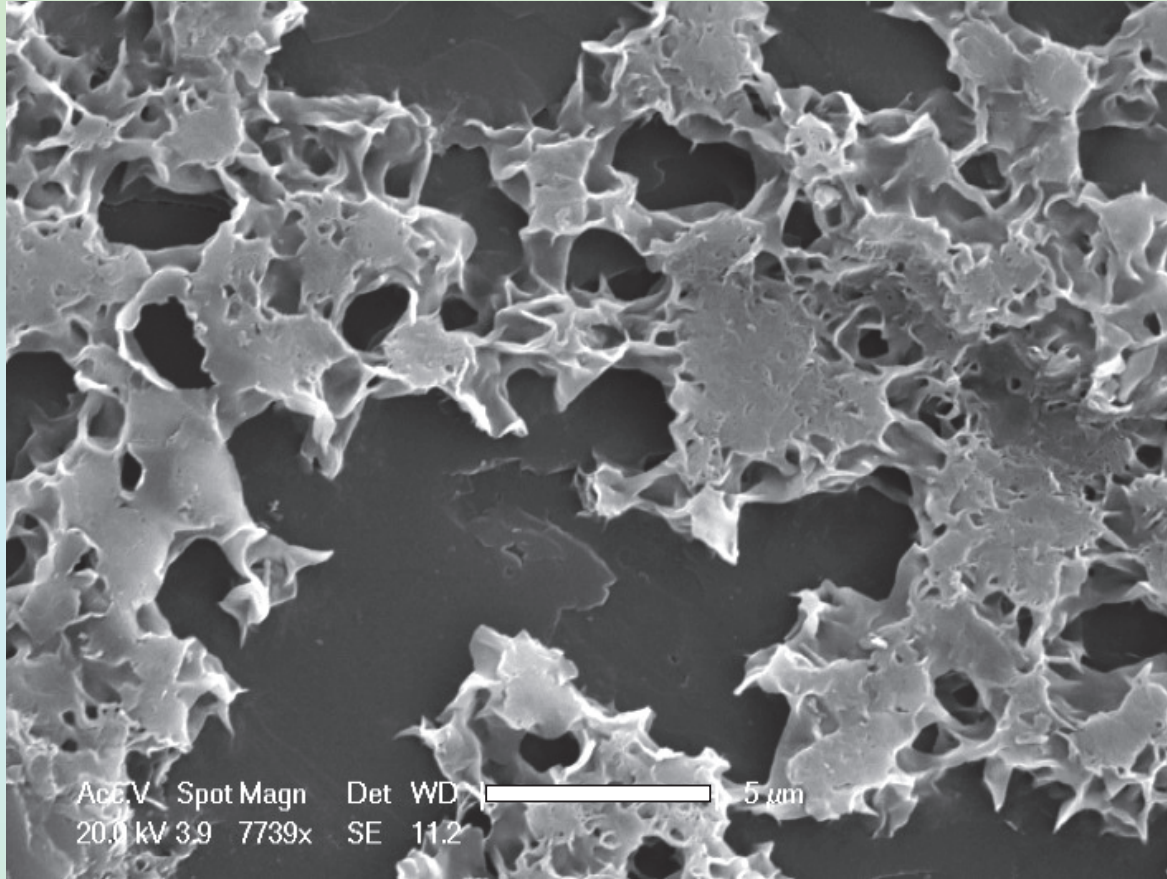
From Turplu Mine, Balikesir, Turkey, Cryo-FE-SEM images of hydrated halloysites, tubes with open-ends, without the effects of dehydration.

Photo courtesy of Ömer Işık Ece, Istanbul Technical University

<http://www.minersoc.org/pages/gallery/claypix/>

Smectit 1 - dioctaedrický

světralinový povrch na granitu

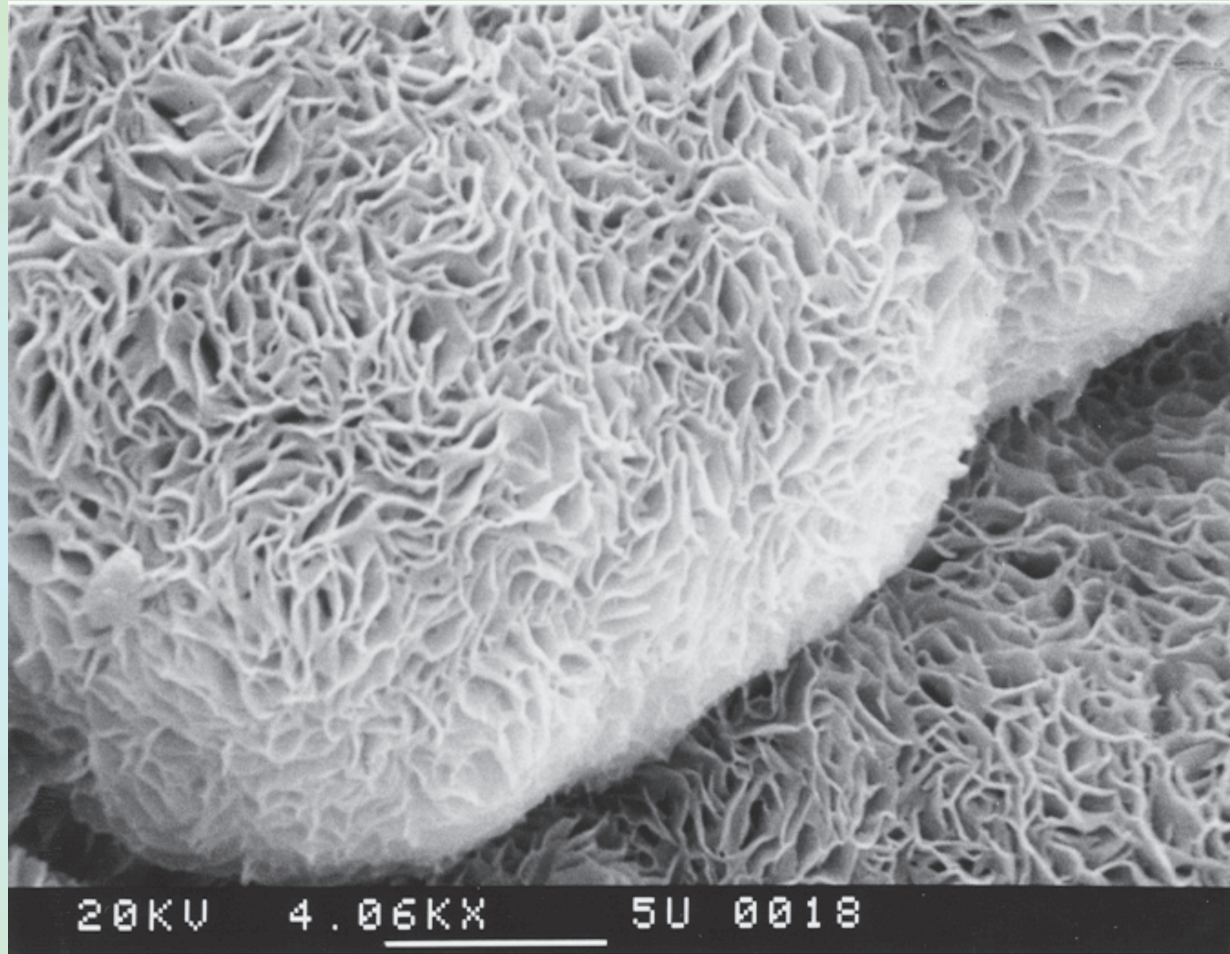


Biotite granite, beneath laterite, Rawang, Kuala Lumpur, Malaysia
Smectite on K-feldspar surface, appearing to have formed in, and part filled, a confined space

Photo courtesy of Zainuddin Yusoff, School of Geosciences, The University of Edinburgh, Scotland

<http://www.minersoc.org/pages/gallery/claypix/>

Smectit 2 - dioctaedrická forma

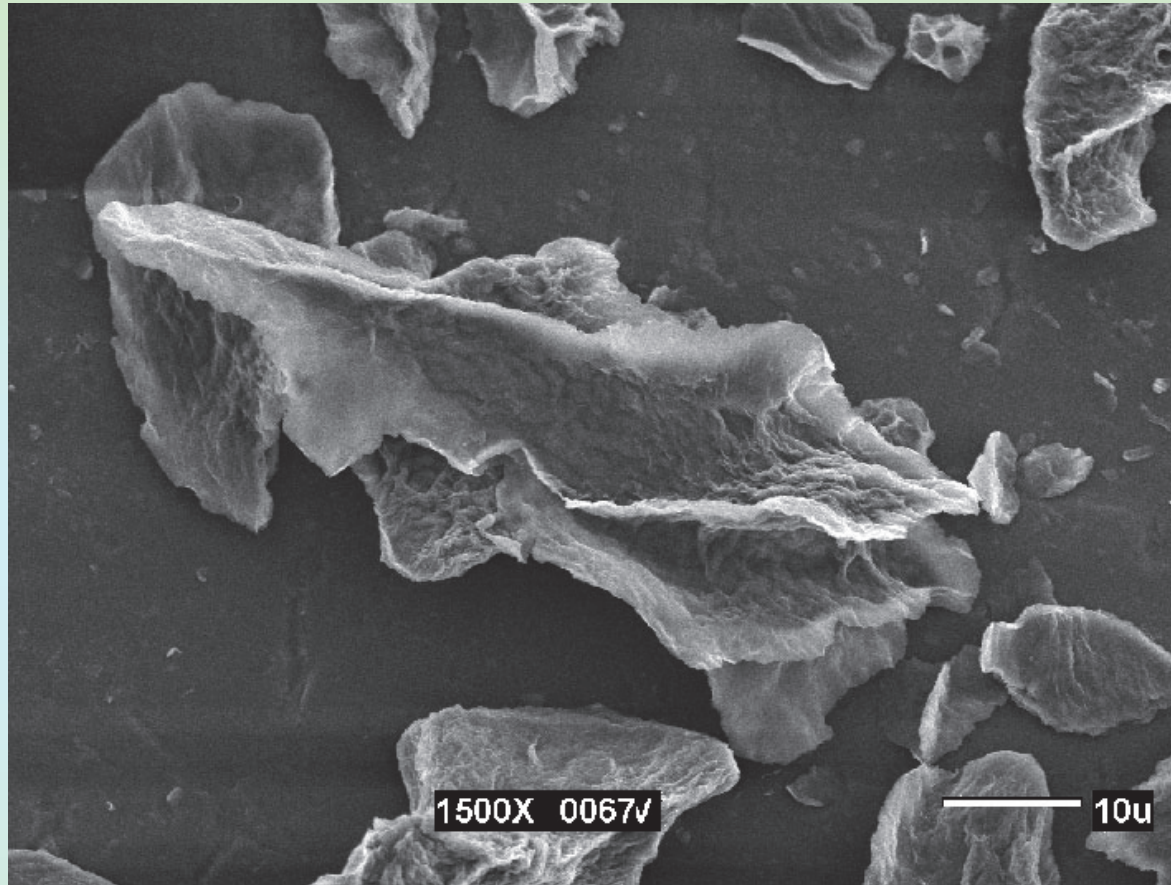


Yucca Mountain, Nevada, drill hole UE25a#1 and a depth of 1296.2 feet

Photo courtesy of Steve Chipera, Los Alamos National Laboratory

<http://www.minersoc.org/pages/gallery/claypix/>

Smectit - v půdě



Ap horizon, Webster soil, University of Minnesota Southern Agricultural Experiment Station, Waseca, MN.
Soil smectite quasicrystal on aluminium foil. (SSSA. J. 55:1499-1504).

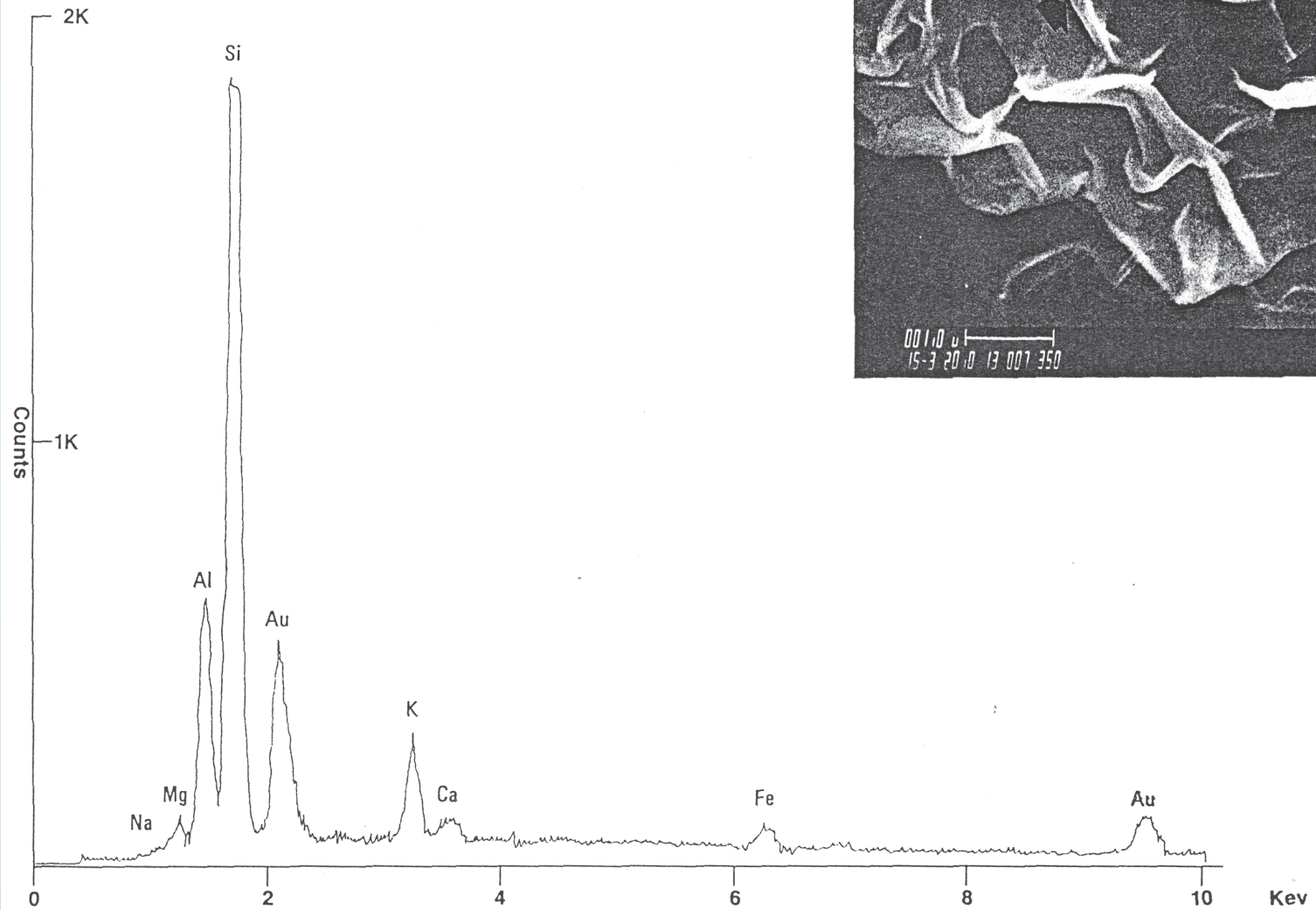
Photo courtesy of David Laird, USDA, ARS, National Soil Tilth Laboratory Ames IA. USA.

<http://www.minersoc.org/pages/gallery/claypix/>

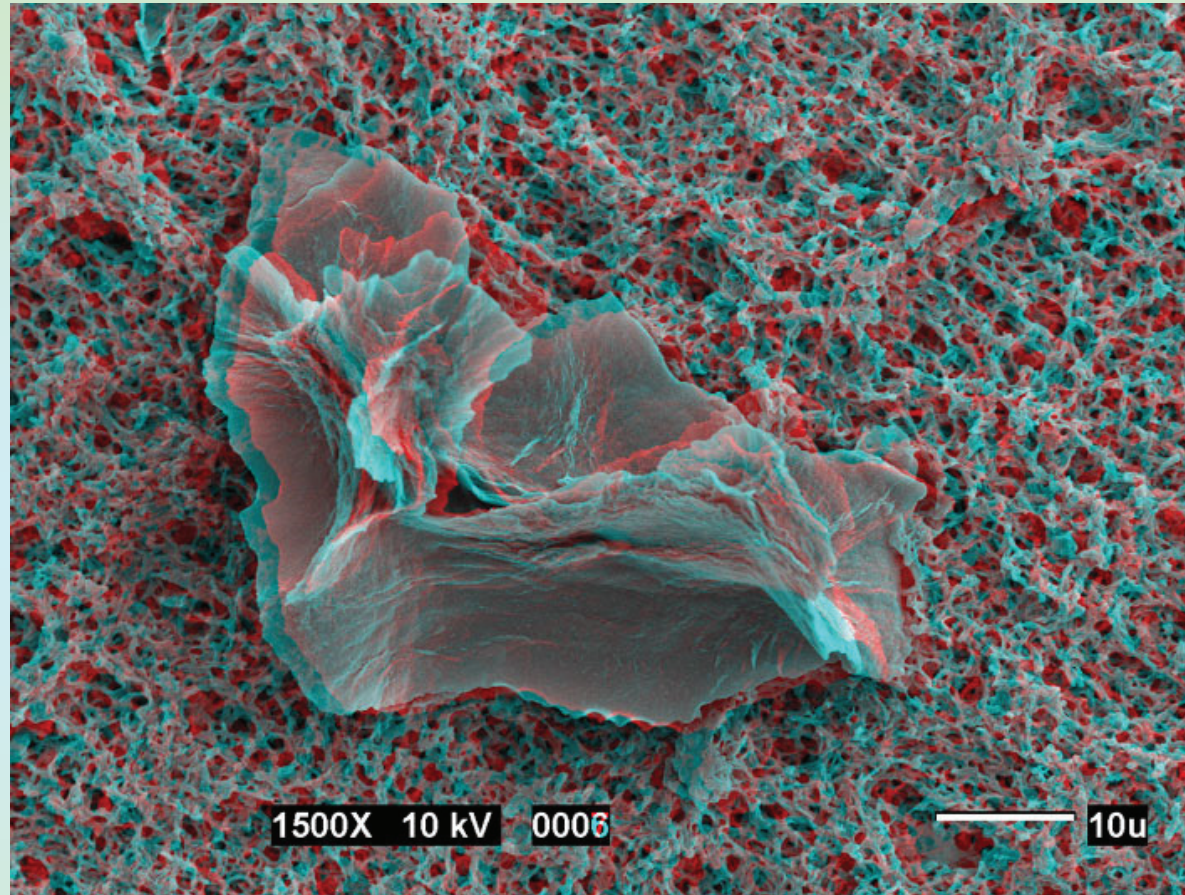
Energy Dispersive X-Ray Spectrum (EDX)

Smectite $(\frac{1}{2}\text{Ca}, \text{Na})_{0.7} (\text{Al}, \text{Mg}, \text{Fe})_4 [(\text{Si}, \text{Al})_8\text{O}_{20}] \cdot n\text{H}_2\text{O}$

smektit



Smectit - v půdě stereo

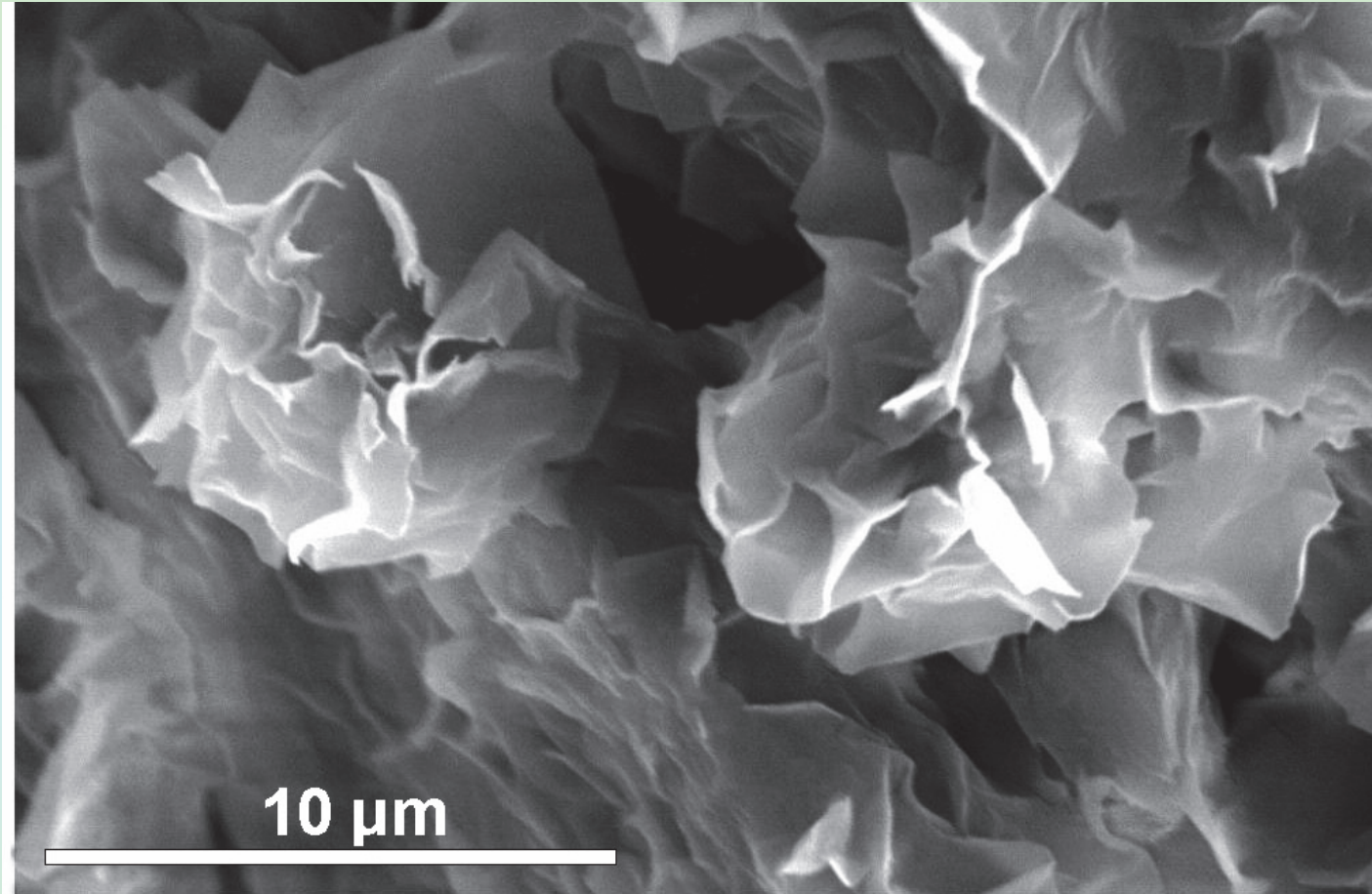


Ap horizon, Webster soil, University of Minnesota Southern Agricultural Experiment Station, Waseca, MN. Stereo image of large soil smectite quasicrystal on cellulose filter paper. (SSSA. J. 55:1499-1504).

Photo courtesy of Stereo image of large soil smectite quasicrystal on cellulose filter paper. (SSSA. J. 55:1499-1504).

<http://www.minersoc.org/pages/gallery/claypix/>

Smectit, Montmorillonit 1

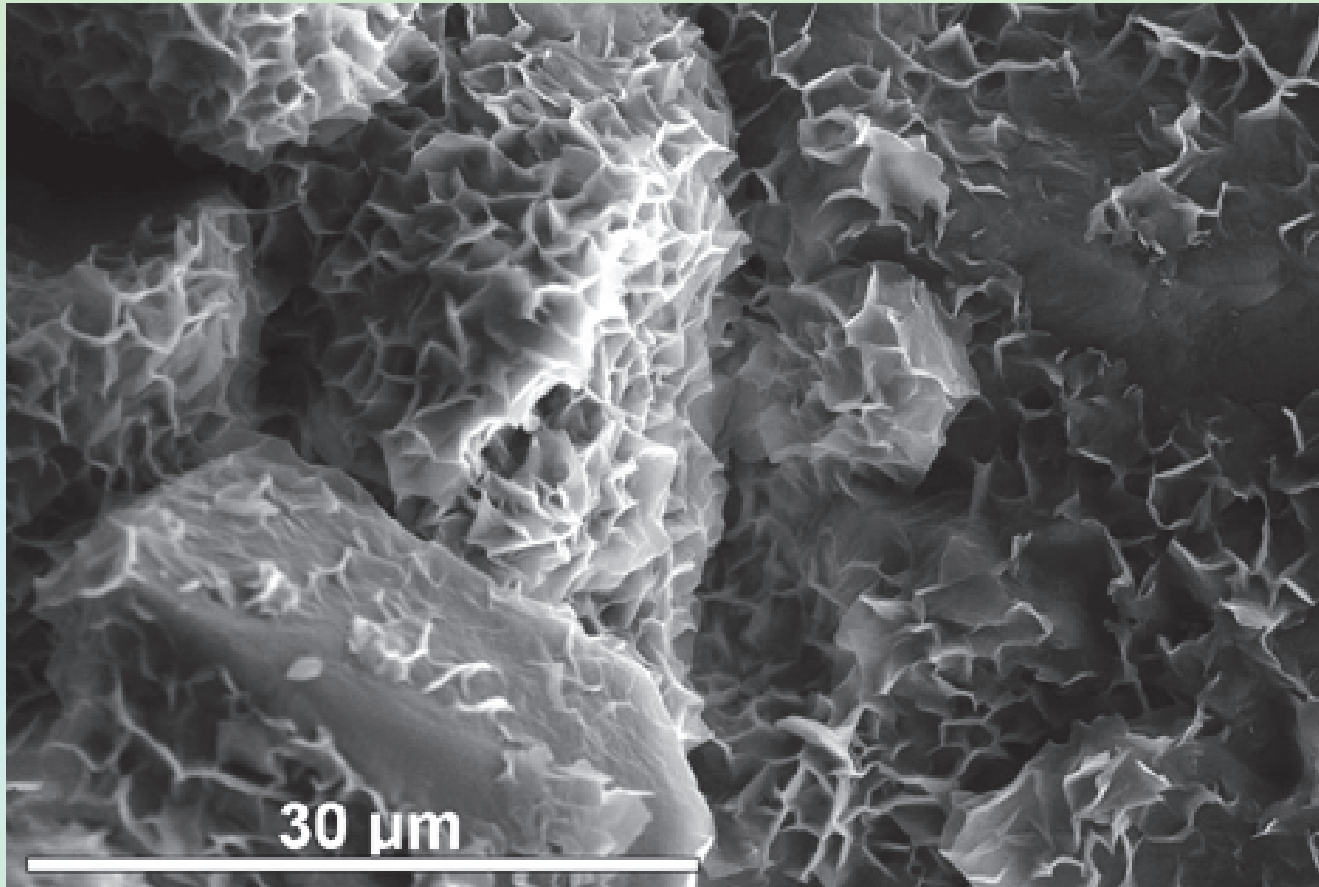


Montmorillonite showing a rose like texture, Miocene arkose, Madrid Basin, Spain.
Fesharaki et al. (2007)

Photo courtesy of Emilia García-Romero, Universidad Complutense de Madrid, Spain.

<http://www.minersoc.org/pages/gallery/claypix/>

Smectit, Montmorillonit 2

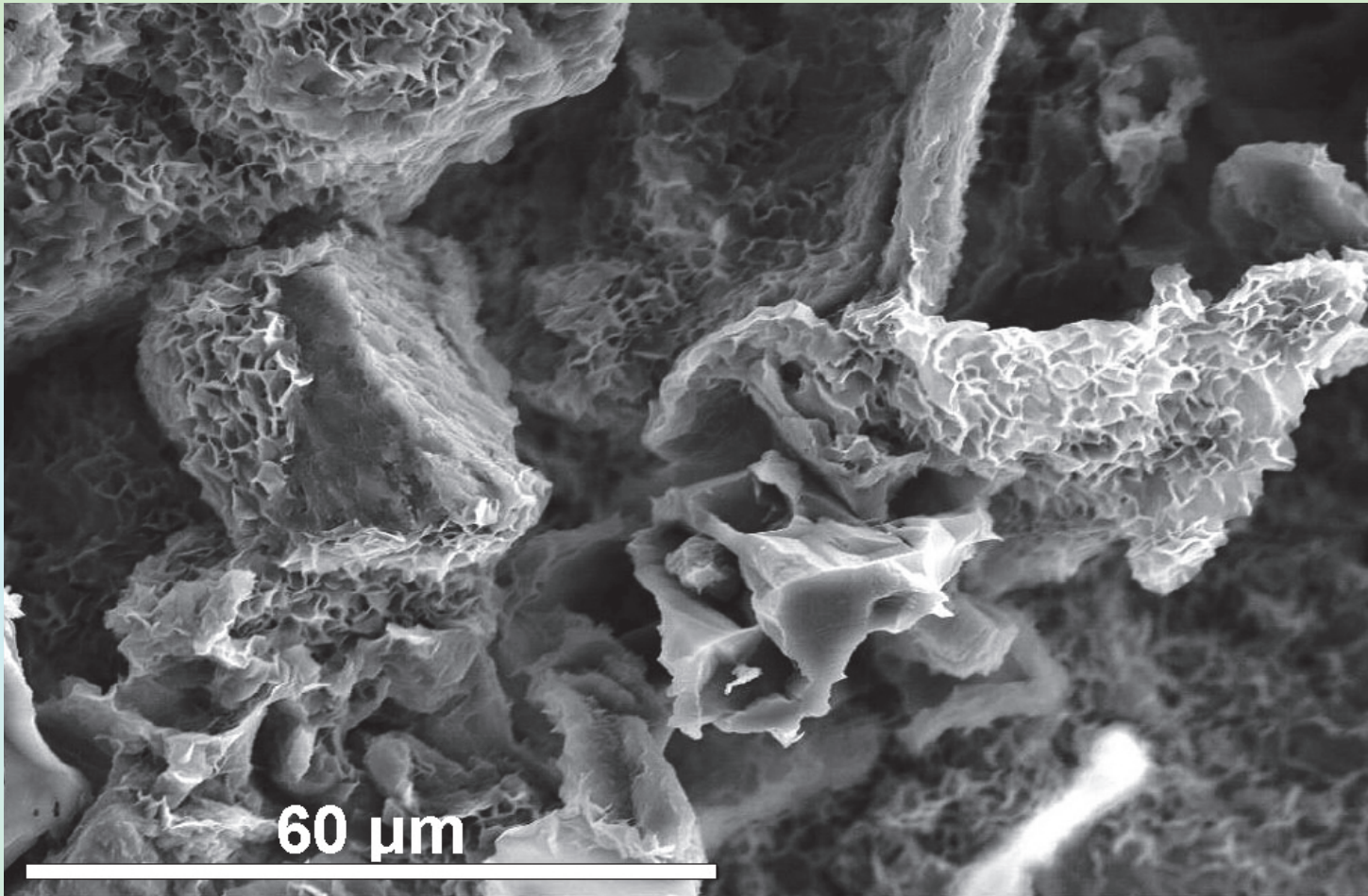


Montmorillonite coating detrital grains, Miocene arkose, Madrid Basin, Spain.
Fesharaki et al. (2007)

Photo courtesy of Emilia García-Romero, Universidad Complutense de Madrid, Spain.

<http://www.minersoc.org/pages/gallery/claypix/>

Smectit, Montmorillonit 3

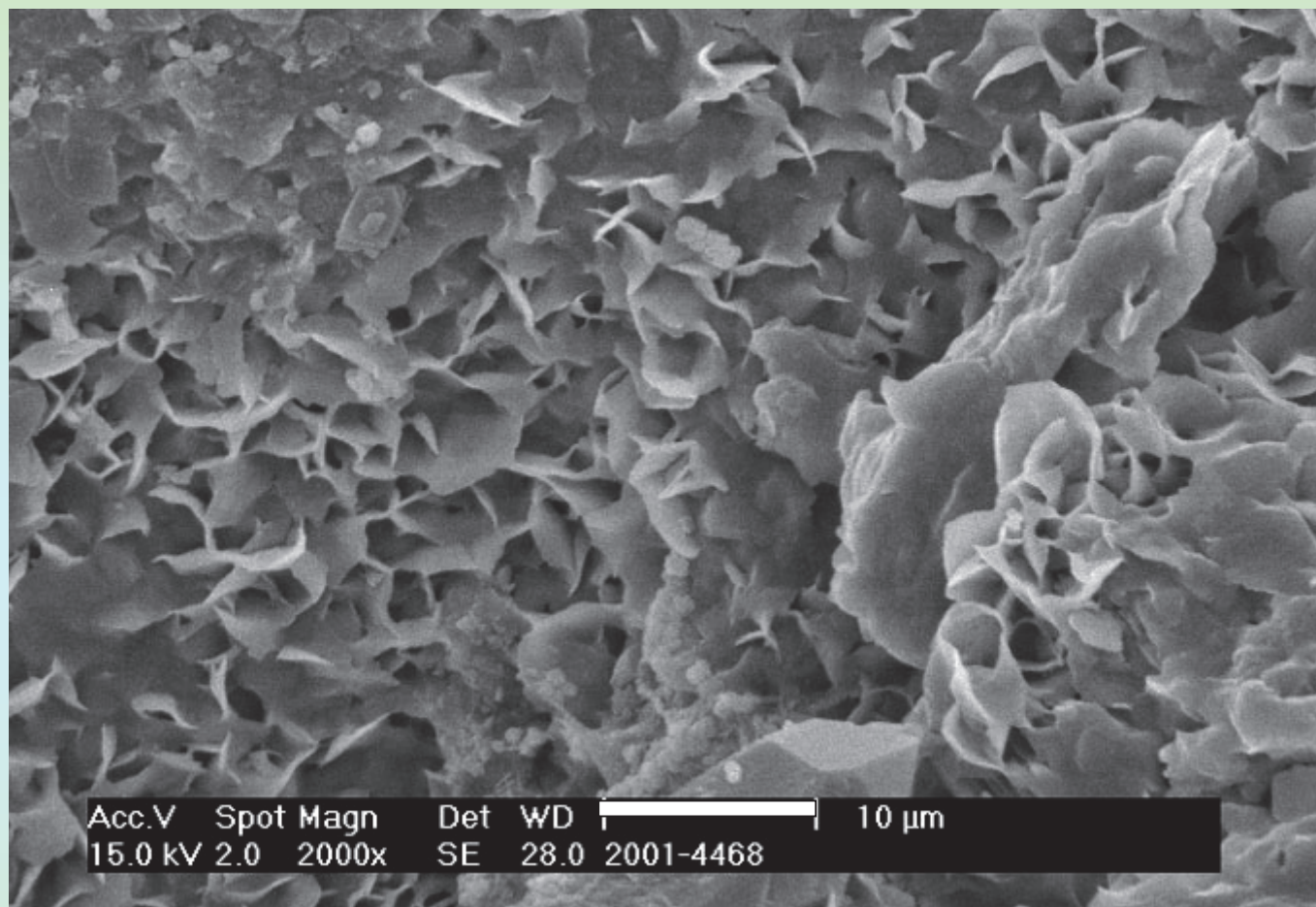


Montmorillonite, coating grains, some dissolved, Miocene arkose, Madrid Basin, Spain (Fesharaki et al. 2007)

Photo courtesy of Emilia García-Romero, Universidad Complutense de Madrid, Spain.

<http://www.minersoc.org/pages/gallery/claypix/>

Tosudit di-Chlorit/di-Smektit

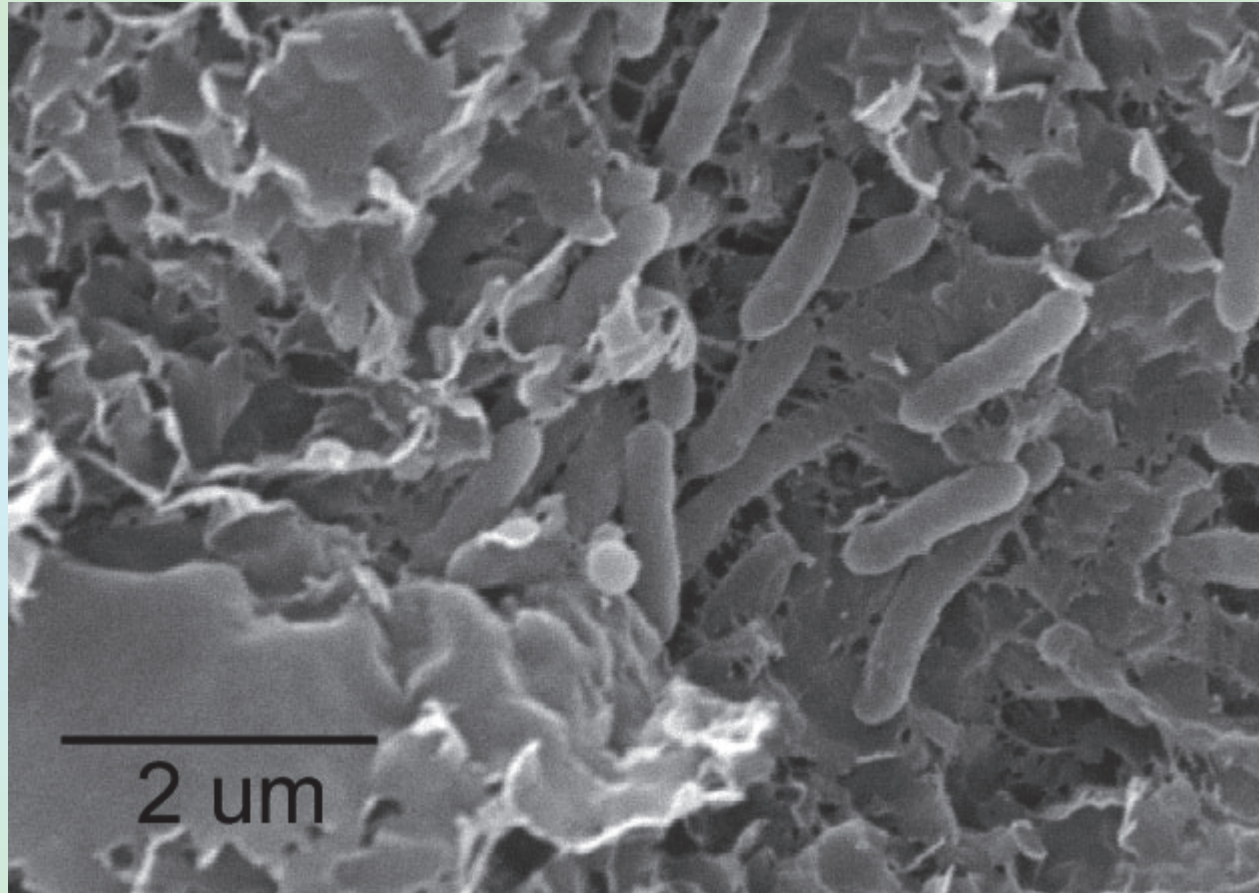


R1 ordered mixed-layer dioctahedral chlorite(50)-dioctahedral smectite.
Sample from Old Red Sandstone, Strathmore Group, Edzell, Scotland
[NGR NO601707]

Photo courtesy of E. Delbos, Macaulay Institute. Sample 'Edzell-2', Macaulay Colln.

<http://www.minersoc.org/pages/gallery/claypix/>

Nontronit - (s bakteriemi)



Bacteria on nontronite -*Shewanella oneidensis* (MR-1) on SWa-1 nontronite.

Photo courtesy of Hailiang Dong, Miami University, OH. USA.

<http://www.minersoc.org/pages/gallery/claypix/>