

+

#0050

+

### **First results on the new angrite NWA 12774**

Wimmer K. \*, Hoffmann V.H., Kaliwoda M., Hochleitner R., Mikouchi T., \*Nördlingen/Germany. Email [karl-wimmer@t-online.de](mailto:karl-wimmer@t-online.de)

Recently a new angrite, NWA 12774, was published in Meteoritical Bulletin [1]. The meteorite, a single stone with a weight of 454gr, represents the 19<sup>th</sup> unpaired angrite. Angrites belong to quite a rare group of meteorites with a limited number of known finds (20) and only one reported fall, Angra dos Reis (1869, Brasil) [1]. 3 groups of angrites are presently distinguished, (1) Quenched-basaltic, (2) subvolcanic/hypabyssal and (3) plutonic/metamorphic (incl. dunitic) angrites.

NWA 12774 is characterized by a very fresh-looking interior without fusion crust and is classified as a quenched olivine-phyric angrite (so belonging to group 1) with large phenocrysts of olivine and Al-Ti augite arranged in a dark-black groundmass.

In our poster we will present first results of investigations by magnetic and microscopical means, and Raman spectroscopy (phase composition). The data will be compared with our earlier results of investigations on a set of angrites (Angra dos Reis, d'Orbigny, Sahara 99555, NWA 2999, 4590 and 7203).

#### **References**

- + [1] NWA 12774, Meteoritical Bulletin MB108, 10/2019. +

Cite abstract as:

Wimmer, K., Hoffmann, V.H., Kaliwoda, M., Hochleitner, R., et al. (2019) First results on the new angrite NWA 12774. Paneth Kolloquium, Nördlingen (Germany), abstract URL: <http://www.paneth.eu/PanethKolloquium/2019/0050.pdf> (abstract #0050).