

Precepts of American Pedology: Sharing Our Intellectual Legacies. (S05-arnold073717-Oral)

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Abstract:

Kellogg's legacy, in part, is embodied in precepts guiding our soil survey. Many derive from Dokuchaev's recognition that soils are independent natural bodies. Factors influencing processes that produce soil properties is a valid premise. Other science-based precepts include: use of scientific methods, uncertainty, genetic soil memory, geomorphic processes, lithogenic and pedogenic properties, polygenesis, basic soil units, soil-landscape relationships, models, classification principles, and time-space scales. Several social-based precepts refer to sharing information, accomplishing a mission, and promoting resource stewardship.

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