



Above: Illustration of Coryphantha vivipara, by Pauline Savage

Scientific Illustration - A Lasting Means to Preserve Botanical History

Despite advances in the technology available to capture botanical detail, scientific illustration retains enormous value as an educational resource as it captures, in a single plate, all the internal and external features of a species throughout its entire life cycle. Additionally, botanical illustrations are masterfully created and exquisitely inspiring! For these reasons, the Campus Arboretum has established a Florilegium of the Joseph Wood Krutch Garden, through partnership with the Sonoran Desert Florilegium Program. As a florilegium is an illustrative scientific record of the plant species in a garden, the project aims to create and collect botanical art documenting 65 of the taxa growing in the Krutch garden. Visit our site to read more about this project and to see some of the lovely and important images in the Florilegium:

<https://arboretum.arizona.edu/research/scientific-illustration-lasting-means>

Tanya M. Quist, Director

Featured Student: Hallie Letsinger

Hallie is currently pursuing her undergraduate degree in architecture. While in school, she has found a growing passion for digital fabrication, where technology and design intersect. In an attempt to streamline the process of making



signage the Campus Arboretum purchased a CNC engraving machine, along with computer, and materials to print our own signs. Using this technology, Hallie is adding to her foundation of knowledge in digital fabrication by creating and documenting a process for manufacturing the Arboretum's botanical signage.

The work Hallie has done not only benefits her professionally, but will empower arboretum students in the future, save costs on signage, increase the quantity of signs on the campus grounds, and provide students with a unique set of transferable skills.

Read about Hallie's work: <https://arboretum.arizona.edu/student-hallie-letsinger-builds-campus-arboretum>

Featured Arboretum Plant: Creosote



- Common Name: Creosote, Greasewood
- Family Name: Zygophyllaceae
- Botanical Name: *Larrea tridentata*

L. tridentata is an evergreen perennial with a shrub growth habit, branched and knotty, growing up to 12 feet tall. After rainfall, leaves are observed to turn a darker shade of green and release an aroma that is described by desert-dwellers as the “smell of rain.” Native Americans have traditionally used the creosote bush to treat a large variety of ailments. It is a highly drought tolerant shrub that grows best on rocky ground with calcareous, sandy, or

alluvial soils. The shrub requires high soil oxygen and full sun exposure for growth, making it an excellent xeriscape ornamental that thrives with minimal amount of watering.

Find this plant on campus: <https://apps.cals.arizona.edu/arboretum/taxon.aspx?id=36>

Campus Arboretum Tree Tours

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