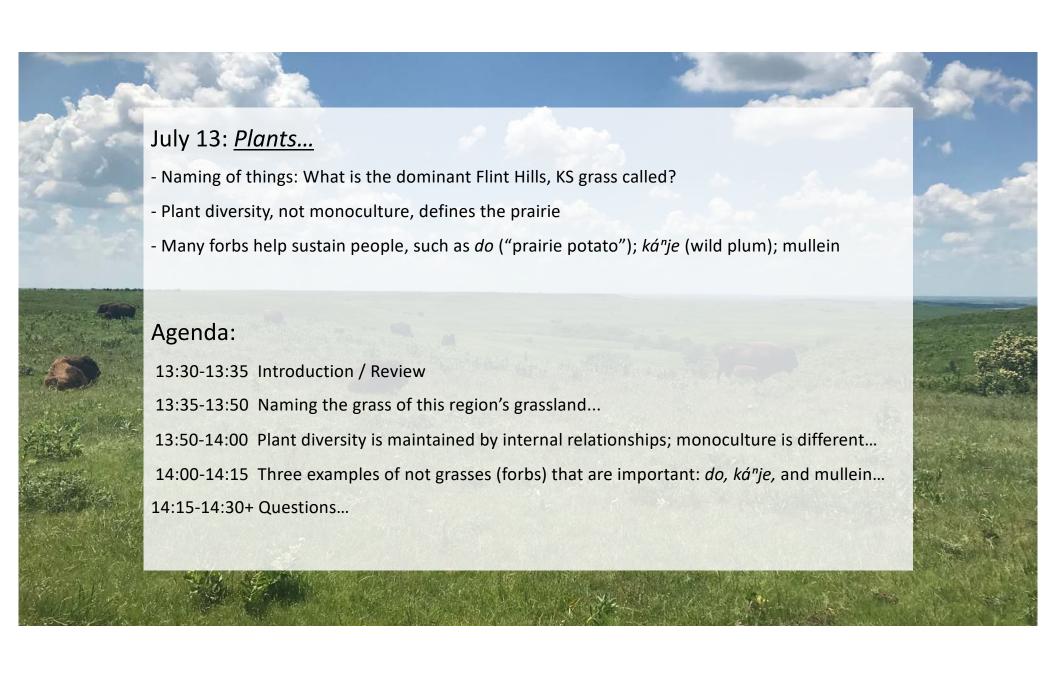


#### Land and Name Acknowledgement

The grasslands on which Konza Prairie LTER research is focused have been a home to people for thousands of years, including many named and unnamed peoples who lived and hunted here prior to European settlement. Indigenous people of the Kaw (Kanza) Nation inhabited and stewarded this area until their forced removal between 1846 and 1872, when they were relocated to a small reservation in what is now Oklahoma. The depopulated Kaw land was subsequently used to finance the Land-Grant University system under the Morrill Act of 1862, including Kansas State University, which administers the Konza Prairie LTER Program. Our LTER research program operates under a name, "Konza", that is derived from the name of the Kaw, or "Kaánze", People.

The Konza Prairie LTER acknowledges the immemorial connection of Indigenous peoples with these lands, and we pledge to respect and honor the past and current legacy, cultural history, and knowledge of the Kaw Nation. Through our professional capacity as scientists and educators, we will work to increase our knowledge of the human legacy of these lands, and in turn, will teach this history to others. The beauty of this land inspires our work to understand the tallgrass prairie and support conservation of this ecosystem. However, this inspiration also serves as a reminder of the Indigenous human history that has shaped the modern landscape, and the influence that our current actions will have on the prairie of the future.













"Common" name(s)

Big bluestem...

Scientific name

Andropogon gerardii ...

Kaw name

ma<sup>n</sup>hí<sup>n</sup> ...



# <u>Scientific name</u> *Andropogon gerardii ...*

"Genus name comes from the Greek words aner or andros meaning man and pogon meaning beard in reference to the hairs on the spikelets of some species in the genus.

Specific epithet honors Louis Gerard (1733-1819), French physician and botanist."

(from https://www.missouribotanicalgarden.org)



#### <u>Kaw name</u> ma<sup>n</sup>hí<sup>n</sup> or ma<sup>n</sup>hí<sup>n</sup>tóho

má<sup>n</sup>hi<sup>n</sup> n. knife
 má<sup>n</sup>hí<sup>n</sup> n. grass
 ma<sup>n</sup>hí<sup>n</sup>tóho a blue grass
 ma<sup>n</sup>hí<sup>n</sup>ego vi. green ← Lit. "like grass"

tóho vi. blue or bluish black; green
Kaw color terminology lumps blue and green together
all other "green" terms are variations of tóho,
except manhínego which is the first listed translation of "green"

Many types of ma<sup>n</sup>hí<sup>n</sup> ...
Also different types of pézhe: "sweet" grasses
(these are plants that smell good! may not all be grasses)



#### Some other names that came up in the discussion

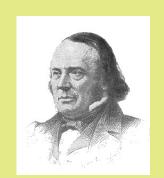
bazó n. pokeberry bazó egó vi. purple, lit. the color of pokeberries

Similarly, there is a specific word for "red" but not purple, and *bazó egó* is the first listed translation for purple

zhúje vi red zhúje shábe vi purple ◆ Lit. "dark red" shóje egó vi purple, lit. "smoke-like"



#### Scientific naming... what is the goal?



Systematics = Taxonomy + Phylogeny

Indeed, when this practice began, scientists defined one "ideal" type

of each organism and compared every real/imperfect example to that ideal

Agassiz defined a species as "a thought of God." As he wrote in his *Essay on Classification*:

• The combination in time and space of all these thoughtful conceptions exhibits not only thought, it shows also premeditation, power, wisdom, greatness, prescience, omniscience, providence. In one word, all these facts in their natural connection proclaim aloud the One God, whom man may know, adore, and love; and Natural History must in good time become the analysis of the thoughts of the Creator of the Universe ....

#### Scientific naming... what is the goal?

Systematics = Taxonomy + Phylogeny

Indeed, when this practice began, scientists defined one "ideal" type of each organism and compared every real/imperfect example to that ideal

• Naming: Taxonomy

Names binned into hierarchical categories

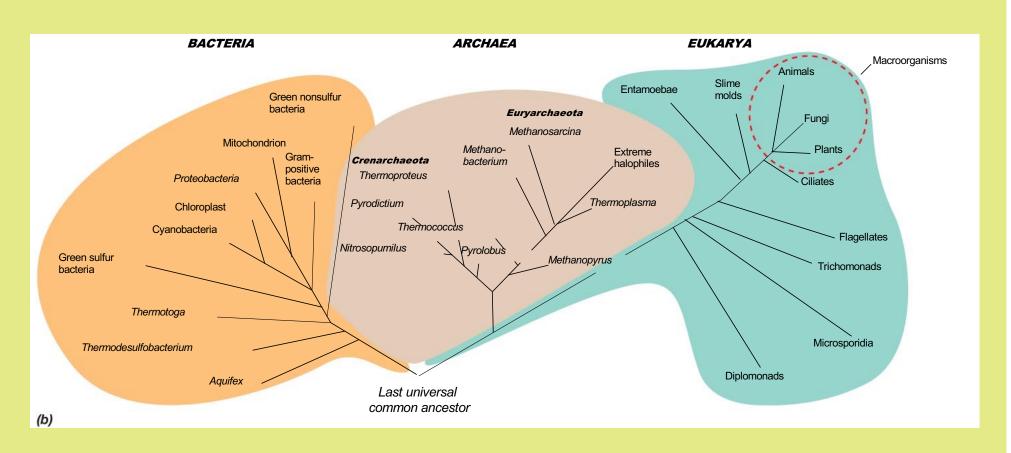
Domain > Kingdom > Phylum > Class > Order > Family > Genus > Species

Andropogon gerardii is the genus & species

• Understanding evolutionary relatedness: Phylogenetics...

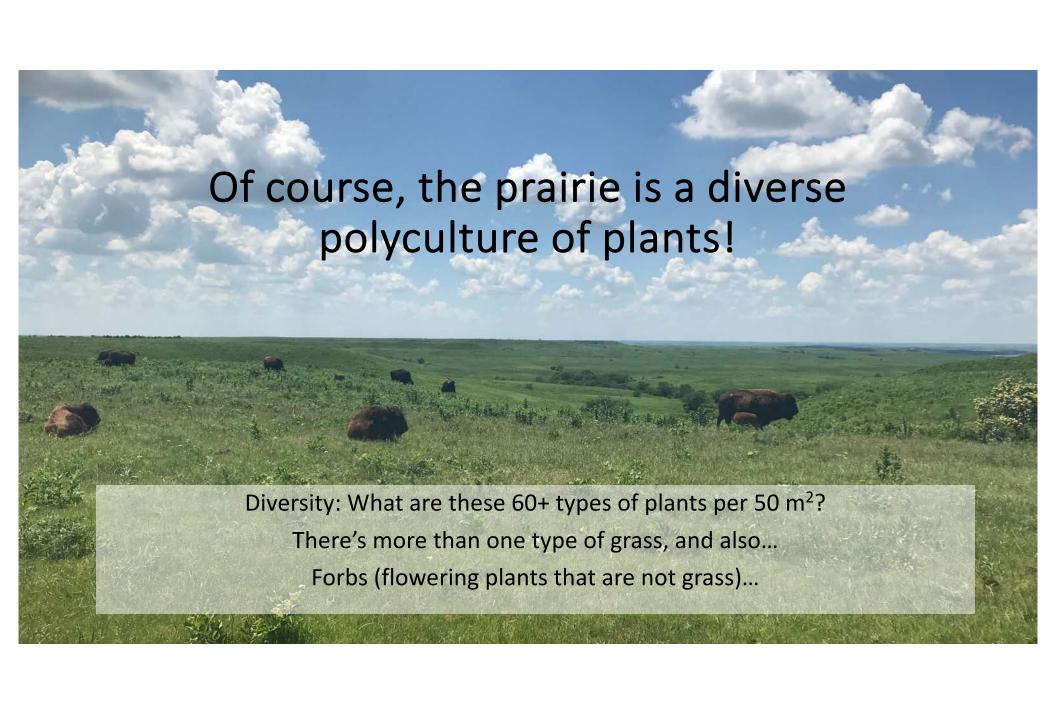
All life is related, using the same genetic code and the same cell processes...

### Phylogenetic tree of life... based on shared DNA









#### Three forbs to meet today:

do: the "prairie potato"

*ká<sup>n</sup>je*: wild plum

Mullein

# do: the "prairie potato"

Also dopik'e Topeka (Kansas); lit. "good place to dig potatoes" dóle n turnip, Indian turnip

Different from do ská n potato, commercial potato, "Irish" potato dóle ghúje n radish dóle zíhi n carrot



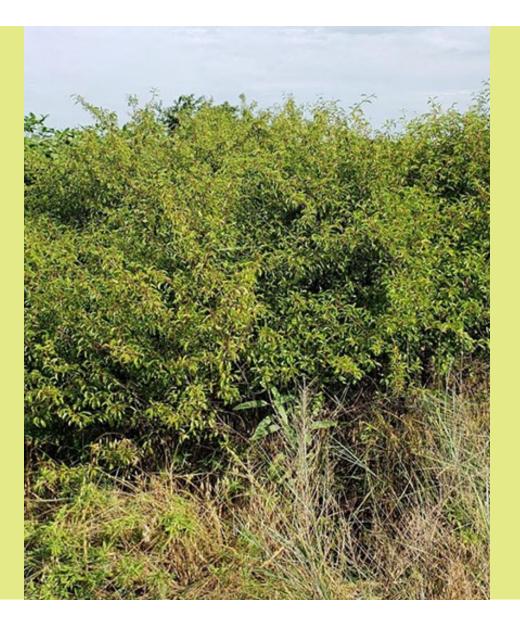


# *ká<sup>n</sup>je*: wild plum

*ká<sup>n</sup>je hu* n plum tree

ká<sup>n</sup>je ha shóga n thick skinned plum (different from the ká<sup>n</sup>je)





### Mullein

No Kaw name on record – European plant that was used medicinally





