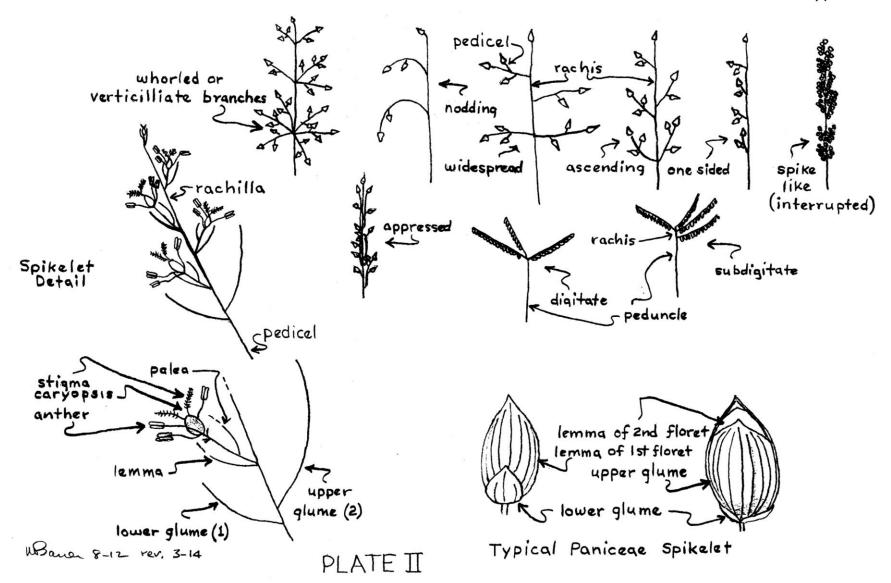
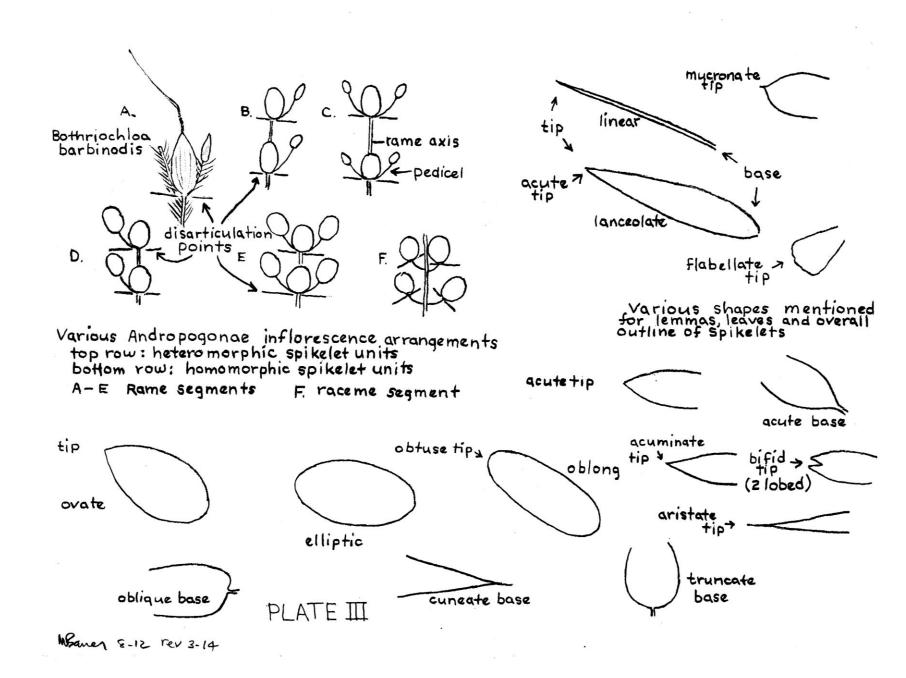


Bauer 8-12 12 V 3-14







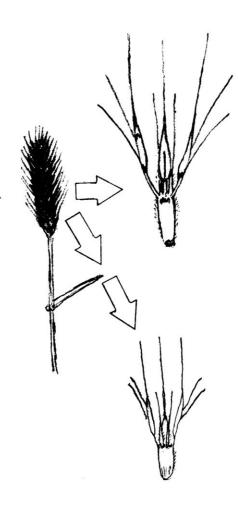


PLATE IV

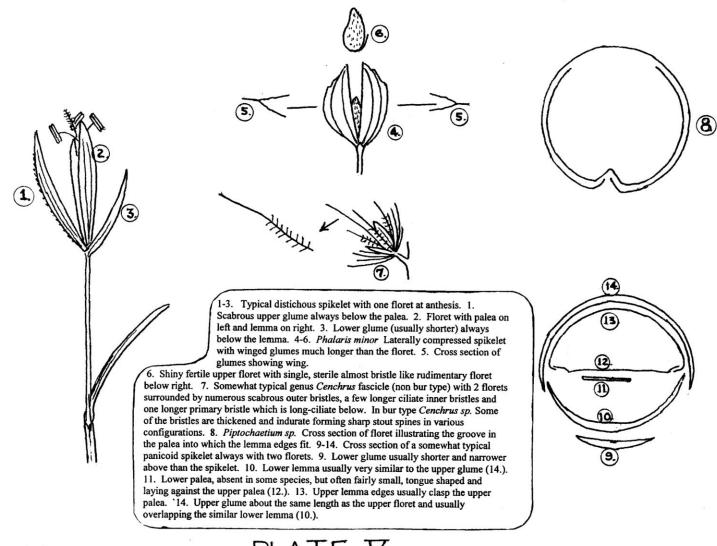
Left The typical Pooid spikelet showing the pedicel, glumes and nine florets. The paleas are not visable being obscured by the larger lemmas; nor is the rachilla visable. The lower glume (g1) is always below the first (lower) floret. Florets can vary from one to numerous. Awns may or may not be present.

Right Three Drawings Hordeum murinum of the Tribe Triticeae is common around Tucson. In this species the rachis disarticulates along with three spikelets. The upper drawing shows the adaxial or inner side. The darkened areas of the rachis segment are scars remaining from where the rachis segments attach. The shorter awns are on the glumes. In the central floret is what looks like an awn but is a continuation of the rachilla, probably vestigial from a progenitor that had more than one floret per spikelet. Hordeum sp. Only have one floret.

The bottom drawing illustrates the abaxial side. Most grasses have opposed glumes but in this species the glumes of the central spikelet are seen to be adjacent and long ciliate. If this segment is rotated about 90 degrees it would be seen that the glumes of the lateral spikelets are also adjacent with one being ciliate.

In this case the inflorescence is a raceme because the lateral spikelets have a short pedicel. The central spikelet is sessile, but the rachilla is evident for some distance between the glumes and the lemma, somewhat pedicel like.

Many of the species of this tribe do not have disarticulating rachises but all have spikes or spike like racemes. In the various species distances between spikelets or spikelet groups is highly variable.



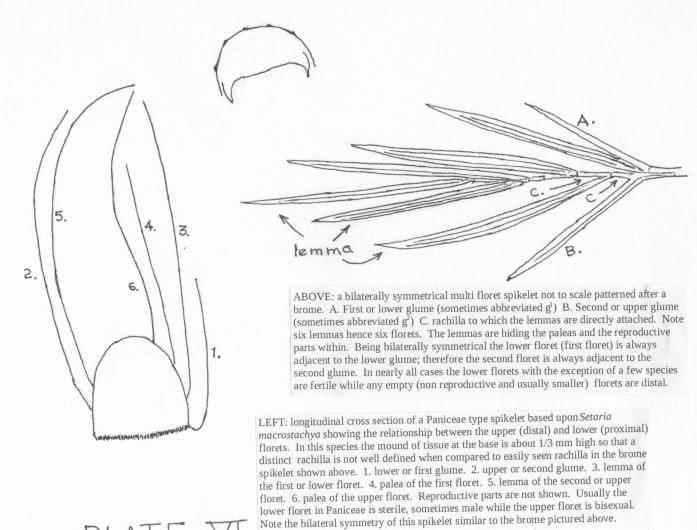


PLATE VI