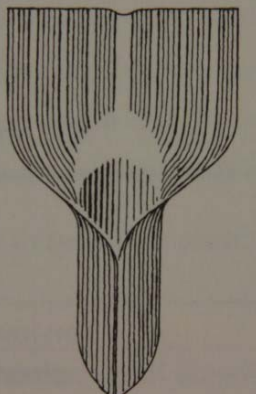


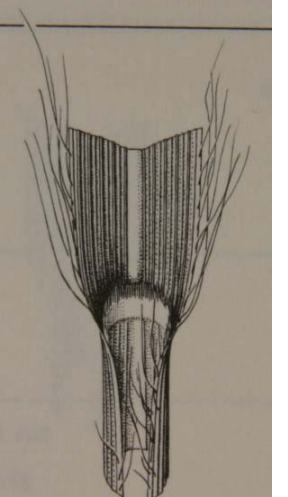
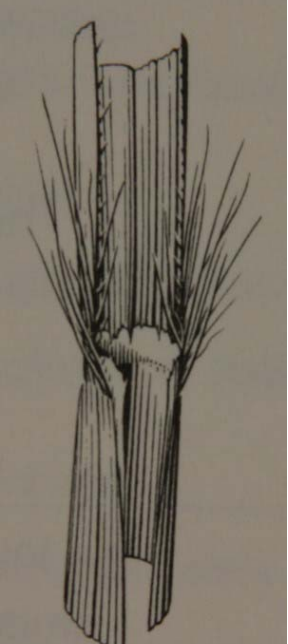
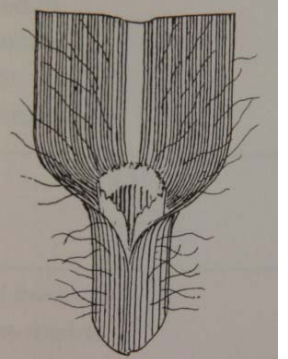
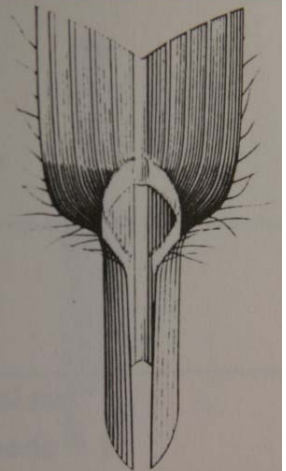
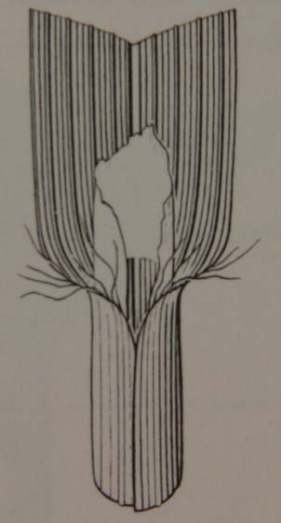
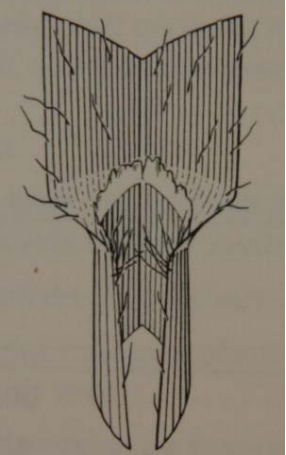
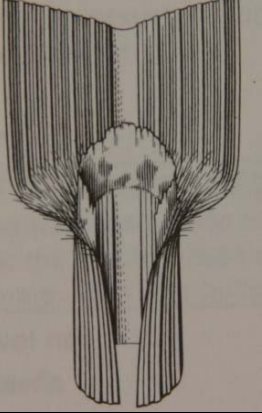





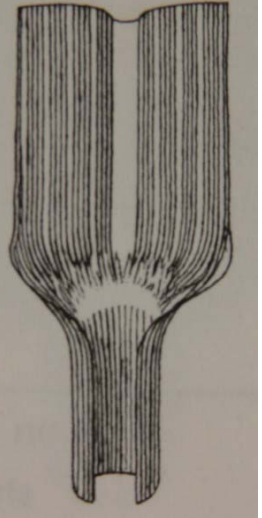
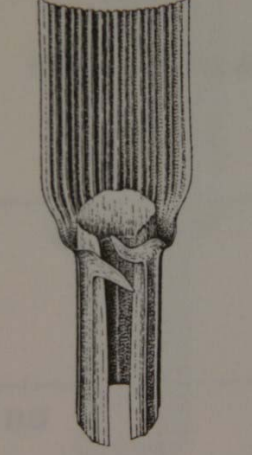

VEGETATIVE CHARACTERISTICS OF MATURE GRASS WEEDS

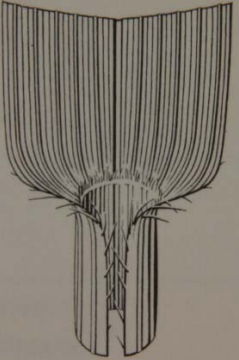
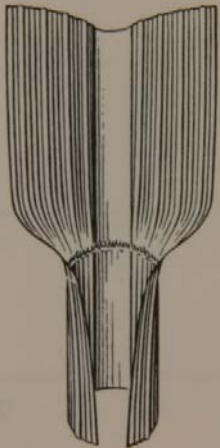
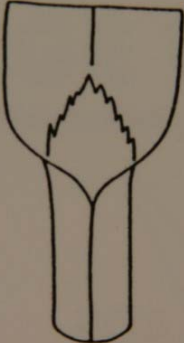
SPECIES	LEAF BLADE	LEAF SHEATH	LIGULE	COLLAR AREA
BARNYARDGRASS	Slightly rough, distinct midvein	Smooth, flattened	Absent	
BERMUDAGRASS	Folded, Lower side smooth, upper side slightly hairy	Smooth, sparsely hairy at collar	Row of hairs 0.5 mm	
ANNUAL BLUEGRASS	Folded, Smooth, cupped leaf tip, margins slightly scabrous	Smooth, margins overlap	Membrane entire, acute, 2-3 mm	

<p>BROOMSEDGE</p>	<p>Folded, hirsute near base, margins ciliate, rough</p>	<p>Compressed, long hairs on margins</p>	<p>Membrane acute to truncate, strongly ciliate, 0.7 mm</p>	
<p>COGONGRASS</p>	<p>Leaf narrower than collar, long hairs on margins at base</p>	<p>Dense hairs on margins</p>	<p>Very short stiff membrane, tufts of hairs either side of ligule</p>	
<p>LARGE CRABGRASS</p>	<p>Rolled, hairy</p>	<p>Hairy</p>	<p>Membranous</p>	

CROWFOOTGRASS	Rolled, smooth, margins lined with soft hairs	Smooth with tufted throat, margins overlap	Short, flat membrane topped with hairs about 1/3 length	
DALLISGRASS	Rolled, 10 mm wide, tapered to rounded narrow base, margins smooth	Pilose near base, glabrous otherwise	Large membrane, notched, smooth or few tufts of hairs	
GOOSEGRASS	Folded, smooth, hairy at base	Long soft hairs on margins, overlap on basal plant parts	Membranous, cleft, apex flat, 0.8 mm	

JOHNSONGRASS	Rolled, glabrous or appressed-pubescent at base above, margins glabrous, prominent mid-rib	Flattened, glabrous, hairy in nodal region, margins overlapping	Obtuse or truncate membrane 5 mm, finely toothed or ciliate margin	
JUNGLERICE	Rolled, glabrous, margins scabrous, 6 mm, red watermark	Glabrous, margins overlapping	Absent	
BROWNTOP MILLET	Rarely hairy on either surface	Hairy on lower leaves	Membranous hairy fringe, 1 mm	

<p>TEXAS MILLET</p>	<p>Rolled, soft hairs both surfaces, ciliate at rounded base, rough margins</p>	<p>Softly pubescent</p>	<p>Tiny, membranous, ciliate strip, 1 mm</p>	
<p>FALL PANICUM</p>	<p>Rolled, glabrous on both surfaces, margins scaberulous or scaberulous and ciliate</p>	<p>Glabrous, pillose or villose</p>	<p>Ciliate to none, 1 mm</p>	
<p>ITALIAN RYEGRASS</p>	<p>Folded, glossy underneath, dull above, glabrous, distinctly ribbed, 3 mm</p>	<p>Loose, basal often hairy</p>	<p>Rounded to truncate, may be lacerated with age, to 1 mm</p>	
<p>SOUTHERN SANDBUR</p>	<p>Folded, smooth, few long, basal hairs, margins and upper surface scabrous, 3 mm</p>	<p>Loose, tufted at throat, margins pubescent</p>	<p>Even fringe of hairs, 1 mm</p>	

<p>BROADLEAF SIGNALGRASS</p>	<p>Smooth, wide at base</p>	<p>Sparsely hairy, sheath margin densely hairy</p>	<p>Row of hairs, 1 mm</p>	
<p>SMUTGRASS</p>	<p>Rolled, smooth, margins slightly scabrous</p>	<p>Smooth, margins overlapping</p>	<p>Minute fringe of hairs, 0.2 mm</p>	
<p>AMAZON SPRANGLETOP</p>	<p>Rolled, glabrous</p>	<p>Open, smooth</p>	<p>Very long, pointed</p>	
<p>TORPEDOGRASS</p>	<p>Rolled, short hairs on upper leaf surface, margins scabrous, tuft of hairs at leaf base, leaves perpendicular to stem</p>	<p>Hairs on margins</p>	<p>Very short, densely hairy</p>	