Sporobolus sp. (Smook 3429) in Gibbs Russell et al.: 313 (1990) is hereby named.

Sporobolus oxyphyllus *L.Fish*, sp. nov., *S. virginico* (L.) Kunth affinis sed foliis convolutis, paniculo aperto axe principali visibili, habituque differt; etiam *S. pungenti* (Schreb.) Kunth affinis, a quo partibus omnibus parvioribus breviorbusque differt.

TYPE.—North-West, 2625 (Delareyville): Barberspan, (-DA), *Ellis 3628* (PRE, holo.).

Mat-forming perennial with robust rhizomes. *Culms* erect, up to 500 mm tall, branched at base; nodes pale to dark purple or black, glabrous, commonly covered by leaf sheaths. *Leaf sheaths* persistent, strongly ribbed in upper half, veins becoming less numerous and obvious nearer base, sometimes flushed with purple, glabrous,

except sheath mouth with hairs up to 1.5 mm long. Ligule with a fringe of hairs 0.2 mm long. Leaf blades stiff, pungent, convolute, 20-90(-115) × 1.5-4.5 mm, apex boat-shaped, veins numerous, midrib usually not distinct, glabrous, adaxial surface with prickles and papillae; margins smooth or scrabrid. Inflorescence an open, ovate panicle, 30-100 × 10-30 mm, rarely contracted, extending above main leaves, but often closely associated with uppermost leaf; branches smooth or with scattered prickles, primary branches not in whorls, ascending to spreading at about 45° from main axis, lower part without spikelets; yellow to red, glabrous pulvinus present in axils of branches. Spikelets 1.8-2.4 mm long, pallid to grey-green sometimes flushed purple, these colours often mixed on same spikelet, palea usually obvious, being darker than rest of spikelet. Glumes unequal, obtuse to acute, sometimes apiculate, 1-nerved, nerve thickening towards apex, upper 1/2 scabrid; lower glume 1.0-1.6 mm



FIGURE 7.—Habit of Sporobolus oxyphyllus, × 0.7. Artist: Sibonela Chiliza.

long; upper glume nearly as long as or as long as spikelet, but length of both glumes variable even within same panicle. *Lemma* ovate-elliptic, acute at tip, 1-nerved. *Palea* as long as spikelet to slightly longer, 2-keeled, with a deep median groove. *Stamens* 3; anthers 1.2–1.4 mm long, pallid, yellow to greenish often flushed purple. *Caryopsis* ellipsoid, strongly laterally compressed, up to 1.1 mm long. *Flowering time*: November to February with one specimen collected June. Figure 7.

Distribution and habitat: Sporobolus oxyphyllus occurs in the drier parts of the interior of South Africa, namely in the southern North-West, western Free State and the Eastern and Northern Cape bordering the Free State



FIGURE 8.-Known distribution of Sporobolus oxyphyllus.

(Figure 8). It forms dense stands and is locally abundant in areas of high 'sodic 'soils especially at the edges of salt pans and in salt vleis. It has been recorded growing in water and is often found growing in association with *Cynodon dactylon*.

Relationships: Sporobolus oxyphyllus is similar to S. virginicus (L.) Kunth which is found in saline areas in coastal localites throughout the world in the tropics and subtropics with some inland localities with sodic conditions. In the Flora of southern Africa (FSA) region, S. virginicus occurs along the coast, whereas inland localities lie mostly east and northeast of the distribution area of S. oxyphyllus in KwaZulu-Natal (2632CD; 2632AB), Mpumalanga (2231BA, -CC) and Limpopo (2228DA, 2230CA). It also differs in having a dense, spike-like panicle and leaves which are cauline and not mostly basal. S. pungens (Schreb.) Kunth [S. arenarius (Gouan) Duval-Jouve] from the Mediterranean, appears to be even more similar, with open panicles and a comparable growth form, but in S. oxyphyllus, all parts especially the plant itself and the spikelets are larger and longer.

Etymology: the specific epithet *oxyphyllus* refers to the sharply pointed leaves.

Other specimens examined (all housed in PRE)

NORTH-WEST.—2625 (Delareyville): Paardefontein, (-CB), Allan 174; Farm Boskop, (-CB), Smook 6273; Barberspan, (-DA); Davidse & Loxton 6026; Zimbatis 4, 10.

FREE STATE.—2727 (Kroonstad): Middelspruit Noord, (-CA), Scheepers 1654. 2825 (Boshof): Du Plessis Dam, (-AD), Peyer 1077; Berlyn, (-BC), Muller 1299; Myburgs Pan, Lynfontein Farm, (-DB). Edwards 4152. 2826 (Brandfort): Bulfontein, (-AC), Smook 2721; Krugersdrift Dam Nature Reserve, (-CC), Muller 1906.

NORTHERN CAPE.—3024 (De Aar): near Potfontein station, (-AA), Acocks 13532; Farm Biesiespan, (-DA), Smook 3429.

EASTERN CAPE.—3025 (Colesberg): Oviston, (-DA), Anderson 349.

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