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# New grass distribution records for New Mexico and the United States

Stephan L. Hatch

*New Mexico State University, Las Cruces, New Mexico*

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## NEW GRASS DISTRIBUTION RECORDS FOR NEW MEXICO AND THE UNITED STATES<sup>1</sup>

Stephan L. Hatch<sup>2</sup>

ABSTRACT.— New distribution records are given for 13 grasses now found in New Mexico. One of these, *Urochloa panicoides* Beauv., is a new distribution record for the United States.

Recent collections have revealed the occurrence of 13 taxa new to New Mexico and one taxon new to the United States. These occurrences are extensions to the known distributions of these species as recorded by Hitchcock (1951) and Gould (1951, 1975a, 1975b). A recent checklist for New Mexico by Martin and Castetter (1970) was used for grass distribution records for the State of New Mexico. Voucher specimens for these new records have been deposited in the New Mexico State University Herbarium (NMC).

### *Brachiaria ciliatissima* (Buckl.) Chase

Eddy Co.: Thirty-two km east of Carlsbad, Sandia Radioactive Waste Storage Project, 18 September 1976, *Wilson sn.* (NMC). This collection is a new record for New Mexico. The species has been reported on sandy soils in Arkansas, Oklahoma, and Texas (Gould 1975b).

### *Bromus diandrus* Roth

Catron Co.: Eight km west of Glenwood, elevation 2621 m, 17 October 1976, *Stockman sn.* (NMC). This is a new record for New Mexico. Previously reported from Arizona (Gould 1956) and Texas (Gould 1975b).

Grant Co.: Locally abundant 25 km west of Silver City, 25 April 1977, *Bodenchuk 20* (NMC).

### *Bromus mollis* L.

Dona Ana Co.: Infrequent 1 km south of the junction of University Ave. and Interstate 25, elevation 1189 m, 4 March 1977,

*Kolo 7* (NMC). Growing between the frontage road and the golf course in Las Cruces. This is a new record for New Mexico. Previously reported from Arizona (Gould 1956) and Texas (Gould 1975b).

### *Bromus rubens* L.

Dona Ana Co.: Locally abundant on roadsides at the junction of Interstate 25 and highway 70 N.E. of Las Cruces, 10 April 1977, *Hatch 2399* (NMC). This collection is a new distribution record for New Mexico. This introduced species has been reported from the adjacent states of Arizona (Gould, 1951) and Texas (Gould 1975a).

Otero Co.: Locally abundant on disturbed sites, 1 km south of the White Sands Missile Range, 5 March 1976, *Williams sn.* (NMC).

### *Eremopyron triticeum* (Gaertn.) Nevski

San Juan Co.: Locally abundant as a roadside weed, 4.7 km east of Shiprock along highway 55, 12 August 1976, *Hatch 2242* (NMC). This collection is a new record for New Mexico. This introduced species from southern Russia has been reported in Montana, Idaho, and Washington (Hitchcock 1951) and collected in Utah's Box Elder County and Emery County.

### *Muhlenbergia villosa* Swallen

Otero Co.: Rare in a small patch, east of Orogrande on Otero Mesa, 24 September 1976, *Spellenberg 4565* (NMC). This collection is a new record for New Mexico. The taxon was previously reported as endemic to Texas (Gould 1975b).

<sup>1</sup>Journal Article 639, Agricultural Experiment Station, New Mexico State University, Las Cruces, New Mexico, 88003.

<sup>2</sup>Assistant Professor, Department of Animal and Range Sciences, New Mexico State University, Las Cruces, New Mexico, 88003.

*Panicum texanum* Buckl.

Dona Ana Co.: Locally abundant as a weed on ditchbanks and in cultivated fields, 3.5 km south of Las Cruces along highway 142, 9 October 1976, *Placker sn.* (NMC). This is a new record for New Mexico. Previous reports of collections have been made in Arizona (Gould 1951) and Texas (Gould 1975a). The species is adapted to disturbed conditions of cultivated land and was probably introduced with crop seed from other states.

*Schismus arabicus* Nees

Dona Ana Co.: Abundant locally as an adventive grass on the New Mexico State University campus at Las Cruces, 5 March 1976, *Williams sn.* (NMC). This is a new record for New Mexico. This introduced grass has been reported from Arizona, California (Gould 1951), and Nevada (Hitchcock 1951). Hitchcock (1951) reported the grass to be a good winter forage grass that was "apparently" spreading rapidly.

*Setaria adhaerans* (Forsk.) Chiov.

Dona Ana Co.: Locally abundant as an adventive on disturbed sites throughout New Mexico State University campus and Las Cruces, 29 September 1976, *Hatch 2321* (NMC). Reported from the Trans-Pecos region of Texas, Bermuda, Cuba, Mexico, and Central America (Gould 1975b). This record is new for New Mexico and is the second state having a distribution record in the United States.

*Setaria ramiseta* (Scribn.) Pilger

Chavez Co.: An abundant, native perennial grass, growing 40 km east of Hagerman along highway 31 on the caprock, 10 August 1976, *Ellsworth 16* (NMC). New record for New Mexico. Previously reported from Texas and northeastern Mexico (Gould 1975b).

*Triplasis purpurea* (Walt.) Chapm.

Eddy Co.: Thirty-two km east of Carls-

bad, Sandia Radioactive Waste Storage Project on sandy soils, 18 September 1976, *Wilson sn.* (NMC). Reported from west Texas and Oklahoma (Gould 1975b). This taxon is new to New Mexico.

*Urochloa panicoides* Beauv.

Dona Ana Co.: Occasional weed in lawns at New Mexico State University, Las Cruces, 26 August 1976, *Spellenberg 4480* (NMC). This is a new distribution record for New Mexico and the United States. The species occurs in Africa and South America. The specimen was identified by Jose F. M. Valles from Texas A & M University, College Station, Texas.

*Vulpia myuros* (L.) K. C. Grell

Dona Ana Co.: Frequent between "A" Mountain and Interstate 25 southeast of Las Cruces, 10 April 1977, *Hatch 2365* (NMC). New record for New Mexico. Previously reported from Texas (Gould 1975b) and Arizona (Gould 1956).

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## LITERATURE CITED

- GOULD, F. W. 1951. Grasses of southwestern United States. University of Arizona Press, Tucson. 352 p.
- . 1975. Texas plants, a checklist and ecological summary. Texas Agricultural Experiment Station, MP-585, rev. ed. 121 p.
- . 1975. The grasses of Texas. Texas A & M Press, College Station. 653 p.
- HITCHCOCK, A. S., 1951. Manual of the grasses of the United States. USDA Miscellaneous Publication 200, rev. by Agnes Chase. 1051 p.
- Martin, W. C., and E. F. CASTETTER, 1970. A checklist of gymnosperms and angiosperms of New Mexico. Published privately.