

NEW RECORDS FOR PUERTO RICAN PTERIDOPHYTES

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ABSTRACT

During a 2001-2002 collecting trip to Puerto Rico, eleven pteridophytes were collected that are Puerto Rican municipio records. Of the 11 collections, one is a Puerto Rican endemic *Selaginella*. For each specimen, we provide full collection data and previously known Puerto Rican distributions for the species.

INTRODUCTION

In late December 2001 through early January 2002, we collected eleven pteridophytes that are Puerto Rican municipio records. Previous Puerto Rican distributions for these taxa were obtained from Proctor (1989) and Barcelona (2000). Of the 11 taxa we collected, one was a Puerto Rican endemic (*Selaginella krugii* Hieron.) previously found in only four municipios. Alternatively, six common pteridophytes were recorded for the first time from Sabana Grande, suggesting that this area may have been overlooked by pteridologists in the past. The following records are arranged phylogenetically by family.

RESULTS

Selaginella krugii Hieron.

Selaginellaceae

RECORD VOUCHER: Puerto Rico, Municipio de Jayuya, growing under the shade of tree ferns and other plants in moist soil in the forest on the north side of Rt. 143 near km 16.2, 29 December 2001, *M. S. Barker #144 and S. W. Shaw* (MU).

PREVIOUSLY KNOWN PUERTO RICAN DISTRIBUTION: Cayey, Ceiba, Naguabo, and Rio Grande.

GENERAL DISTRIBUTION: Endemic to Puerto Rico.

Cyathea andina (Karst.) Domin

Cyatheaceae

RECORD VOUCHER: Puerto Rico, Municipio de Jayuya, growing in moist soil beside roadway in medium to full sun along Rt. 143 approximately 11 km north of Rt. 10, 1 January 2002, *M. S. Barker #204 and S. W. Shaw* (MU).

PREVIOUSLY KNOWN PUERTO RICAN DISTRIBUTION: Adjuntas, Arecibo, Maricao, and Orocovis.

GENERAL DISTRIBUTION: Hispaniola, Puerto Rico, and South America.

Odontosoria aculeata (L.) John Smith

Lindsaeaceae

RECORD VOUCHER: Puerto Rico, Municipio de Sabana Grande, growing in full sun on rocks near a rock wall beside Rt. 120 just past km marker 9, 30 December 2001, *M. S. Barker #167 & 168 and S. W. Shaw* (MU).

PREVIOUSLY KNOWN PUERTO RICAN DISTRIBUTION: Aguas Buenas, Barranquitas, Bayamon, Caguas, Cayey, Fajardo, Maricao, Mayaguez, Naguabo, Patillas, Rio Grande, San German, San Juan, Utuado, and Villalba.

GENERAL DISTRIBUTION: Greater Antilles (except Jamaica), St. Thomas, St. John, and Tortola.

***Adiantum capillus-veneris* L.**

Adiantaceae

RECORD VOUCHER: Puerto Rico, Municipio de Sabana Grande, growing on a shady, moist rock wall next to Rt. 120 past km 9. Found intermixed with *Polypodium polypodioides* var. *polypodioides* (L.) Watt, 30 December 2001, *M. S. Barker #169* and *S. W. Shaw* (MU).

PREVIOUSLY KNOWN PUERTO RICAN DISTRIBUTION: Coamo, Guayanilla, Salinas, and San Juan.

GENERAL DISTRIBUTION: Cosmopolitan in tropical, subtropical, and warm-temperate regions.

***Adiantum pyramidale* (L.) Willd.**

Adiantaceae

RECORD VOUCHER: Puerto Rico, Municipio de Maricao, growing along a partly shaded roadside in moist serpentine derived soil beside a small waterway along Rt. 120 near km marker 113, 30 December 2001, *M. S. Barker #172* and *S. W. Shaw* (MU).

PREVIOUSLY KNOWN PUERTO RICAN DISTRIBUTION: Adjuntas, Aguas Buenas, Arecibo, Barranquitas, Bayamon, Cayey, Coamo, Guayanilla, Guaynabo, Gurabo, Isabela, Mayaguez, Naranjito, Quebradillas, Toa Baja, Utuado, Vega Alta, Yabucoa, and Yauco.

GENERAL DISTRIBUTION: Greater and Lesser Antilles.

Thelypteris hispidula* (Decne.) Reed var. *hispidula

Thelypteridaceae

RECORD VOUCHER: Puerto Rico, Municipio de Jayuya, growing on the side of Rt. 143, north of 10, ca. 11km near the edge of the forest in moist soil in full to medium sun, 1 January 2002, *M. S. Barker #206* and *S. W. Shaw* (MU).

PREVIOUSLY KNOWN PUERTO RICAN DISTRIBUTION: Corozal, Maricao, and San German.

GENERAL DISTRIBUTION: Greater and Lesser Antilles, Tobago, Trinidad, continental tropical America from Mexico to Bolivia, tropical Africa, and Malesia.

***Blechnum occidentale* L.**

Blechnaceae

RECORD VOUCHER: Puerto Rico, Municipio de Sabana Grande, growing among grasses at the edge of a cliff in full sun along Rt. 120 just past km marker 9, 30 December 2001, *M. S. Barker #171* and *S. W. Shaw* (MU).

PREVIOUSLY KNOWN PUERTO RICAN DISTRIBUTION: Adjuntas, Aibonito, Arecibo, Barranquitas, Bayamon, Cabo Rojo, Caguas, Cayey, Guayanilla, Guaynabo, Gurabo, Las Marias, Luquillo, Maricao, Mayaguez, Naguabo, Naranjito, Ponce, Quebradillas, Rio Grande, San German, San Juan, Trujillo Alto, Utuado, Vega Alta, Yabucoa, and Yauco.

GENERAL DISTRIBUTION: Widespread in tropical and subtropical areas from Florida to Argentina.

***Phlebodium aureum* (L.) John Smith**

Polypodiaceae

RECORD VOUCHER: Puerto Rico, Municipio de Sabana Grande, growing in full sun on rocks near a rock wall along Rt. 120 close to km marker 9, 30 December 2001, *M. S.*

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Barker #166 and S. W. Shaw (MU).

PREVIOUSLY KNOWN PUERTO RICAN DISTRIBUTION: Adjuntas, Aibonito, Barranquitas, Bayamon, Cayey, Dorado, Isabela, Juana Diaz, Manati, Quebradillas, Rio Grande, Salinas, and Yauco.

GENERAL DISTRIBUTION: Florida, Bahamas, Greater Antilles, Lesser Antilles, Trinidad, and continental tropical America.

***Pleopeltis polypodioides* (L.) E. G. Andrews & Windham** **Polypodiaceae**

RECORD VOUCHER: Puerto Rico, Municipio de Sabana Grande, growing on a shady, moist rock wall adjacent to Rt. 120 past km 9. Found intermixed with *Adiantum capillus-veneris* L., 30 December 2001, *M. S. Barker #165 and S. W. Shaw* (MU).

PREVIOUSLY KNOWN PUERTO RICAN DISTRIBUTION: Adjuntas, Aibonito, Arecibo, Barranquitas, Bayamon, Cayey, Ciales, Isabela, Juana Diaz, Maricao, Ponce, Vega Alta, Villalba, Yabucoa, and Yauco.

GENERAL DISTRIBUTION: Bahamas, Greater Antilles, Cayman Islands, Lesser Antilles, and continental tropical America from Mexico to Costa Rica and Venezuela.

***Polypodium sororium* Humb. & Bonp. ex Willd.** **Polypodiaceae**

RECORD VOUCHER: Puerto Rico, Municipio de Sabana Grande, growing on a well shaded, moist rock wall along Rt. 120 near km marker 9, 30 December 2001, *M. S. Barker #170 and S. W. Shaw* (MU).

PREVIOUSLY KNOWN PUERTO RICAN DISTRIBUTION: Aibonito, Guaynabo, Maricao, Naguabo, Patillas, Rio Grande, and San Lorenzo.

GENERAL DISTRIBUTION: Greater and Lesser Antilles, and continental tropical America.

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STEVENSON, D.W. & LOCONTE, H. 1996. Ordinal and familial relationships of pteridophyte genera. In: CAMUS, J.M., GIBBY, M. & JOHNS, R.J. (Eds) Pteridology in perspective, pp. 435-467. Royal Botanic Gardens, Kew.

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