ADDITIONS TO THE ORCHID FLORA OF BELIZE, CENTRAL AMERICA

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ABSTRACT. The National Botanic Gardens, Glasnevin, Dublin, Ireland have travelled to Belize, Central America on five expeditions for the main purpose of collecting living specimens of Orchidaceae. Four of the expeditions were in conjunction with Belize Botanic Gardens. As a result of these expeditions 17 new records for Orchidaceae are being added to the published flora.

RESUMEN. Los Jardines Botánicos Nacionales de Glasnevin, Dublín, Irlanda, han realizado cinco expediciones a Belice, América Central, con el objetivo principal de recolectar especímenes vivos de Orchidaceae. Cuatro de las expediciones se realizaron en conjunto con el Jardín Botánico de Belice. Cómo resultado de estas expediciones se añadieron a las floras publicadas 17 nuevos registros de Orchidaceae.

PALABRAS CLAVE / KEY WORDS: Orchidaceae, Belice, Nuevos registros.

Introduction. The National Botanic Gardens, Glasnevin (NBGG) expeditions took place on an annual basis from 1996 to 2000. Brendan O’Donoghue, a past student of the NBBG, assisted the 1996 expedition, the 1997 expedition was assisted by Brendan O’Donoghue and Belize Botanic Gardens and the 1998, 1999 and 2000 were joint expeditions with Belize Botanic Gardens.

As reference, each expedition used The Native Orchids of Belize (McLeish, Pearce & Adams 1995). This publication lists 278 species, in 92 genera recorded from the country.

The recently published Checklist of the Vascular Plants of Belize, (Balick, Nee & Atha 2000) lists 279 species in 93 genera. The additional species to those listed in The Native Orchids of Belize is Oeceoclades maculata (Lindl.) Lindl., a species encountered several times by the expeditions.

The two lists differ in the entries for Mormodes and Coryanthes. Checklist of the Vascular Plants of Belize replaces Mormodes buccinator Lindl. with Mormodes sotoana Salazar, citing a misapplication and Coryanthes speciosa (Hook.) Hook. with Coryanthes picturata Rchb.f, a synonym of the former.

All other entries are similar with the exception of Encyclia cochleata (L.) Lemée var. cochleata.

To date 17 of the specimens have been identified as new records of Orchidaceae for the Belizean flora. Some of these records have been included in reports of the expeditions lodged in the Library, National Botanic Gardens, Glasnevin, Ireland and with the Department of Forestry and Natural Resources, Belmopan, Belize. The new record for Lepanthes arachnion Luer & Dressler was mentioned in an article on Belizean orchids in Orchid Review, Vol. 106, p. 145.

The following is a list of the new records with their relevant collection data. Carlyle Luer (Pleurothallidinae) or Robert Dressler, both Research Associates of Missouri Botanical Garden have identified the specimens. The specimens have all been lodged in Missouri Botanical Gardens (MO).

The following are the new records with their original publication data. Synonyms are also given, followed by their collection number and the collection data.

Cochleanthes flabelliformis (Sw.) R.E. Schult. & Garay, Bot. Mus. Leafl. Harvard Univ. 18: 324. 1959. Epidendrum flabelliforme Sw., Chondrorhyncha flabelliformis (Sw.) Alain, Cymbidium flabelliforme (Sw.) Sw., Zygopetalum flabelliforme (Sw.) Rchb.f., Warczewiczella flabelliformis (Sw.) Cogn.

**Cruciforme Heller.**

**Dresslerella powelli** (Ames) Luers, Selbyana 3 (1/2): 8. 1976. **Cryptophoranthus powelli** Ames, **Pleurothallis deceptrix** Dressler.

**Voucher:** Mount Margaret, Cayo District; epiphytic in moist and clouded forest, 18/9/1999, *B. Sayers 97/738.*


**Voucher:** Mount Margaret, Cayo District; epiphytic in wet forest, 18/9/1999, *B. Sayers 97/772.*


**Voucher:** Chiquibul Forest, Cayo District; epiphytic in wet forest, 4/1997, *B. Sayers 97/241.*


**Voucher:** Halfway camp, Chiquibul Forest, Cayo District; epiphytic in wet forest, 27/7/2000, *B. Sayers 00/801.*


**Voucher:** vicinity Little Quartz Ridge camp, Toledo District; epiphytic in wet forest, 30/7/2000, *B. Sayers 00/890.*


**Voucher:** vicinity Union Camp, Toledo District; epiphytic in wet forest, 12/9/1999, *B. Sayers 97/722.*


**Voucher:** vicinity Little Quartz Ridge camp, Toledo District; epiphytic in wet forest, 4/1997, *B. Sayers 97/222.*

**Platystele minimiflora** (Schltr.) Garay, Orquideologia 9(2): 120. 1974. **Pleurothallis minimiflora** Schltr.

**Voucher:** Chiquibul Forest, Cayo District; epiphytic in wet forest, 4/1997, *B. Sayers 97/304.*


**Voucher:** Little Quartz Ridge camp, Toledo District; epiphytic in wet forest, 30/7/2000, *B. Sayers 00/879.*


**Voucher:** Little Quartz Ridge camp, Toledo District; epiphytic in wet forest, 1/8/2000, *B. Sayers 00/981.*


**Voucher:** Little Quartz Ridge camp, Toledo District; epiphytic in wet forest, 1/8/2000, *B. Sayers 00/997.*


**Voucher:** Mount Margaret, Cayo District; epiphytic in moist and clouded forest, 18/9/1999, *B. Sayers 99/775.*


**Campylocentrum poeppigii** (Rchbf.) Rolfe, Orch. Rev. 11: 246. 1903. **Angraecum poeppigii** Reichb.f.

**Voucher:** Aguacate Park, Spanish Lookout, Cayo, epiphytic in wet forest, 30/7/2000, *B. Sayers 00/877.*

**Campylocentrum poeppigii** (Rchbf.) Rolfe, Orch. Rev. 11: 246. 1903. **Angraecum poeppigii** Reichb.f.


**Campylocentrum poeppigii** was collected on the expeditions but had previously been collected by Schipp (*Schipp 339*) (Dressler in litt.). It is not listed in Native Orchids of Belize but had previously been collected by Schipp (*Schipp 339*). (Dressler in litt.). It is not listed in Native Orchids of Belize nor Checklist of the Vascular Plants of Belize.

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REFERENCES


