

A LIST OF THE MONOCOTYLEDONEAE OF BELIZE
INCLUDING A HISTORICAL INTRODUCTION
TO PLANT COLLECTING IN BELIZE

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The country of Belize, formerly British Honduras, which has had internal self-government since 1964, lies south of the Yucatan Peninsula about 800 miles south of New Orleans, Louisiana. The country is bounded on the north by Mexico's Territory of Quintana Roo, on the west and south by Guatemala, and on the east by the Caribbean Sea. In length, the country extends from the Rio Hondo in the north to the Sarstoon River in the south, a distance of 174 miles. At its widest point, it is 70 miles from Belize City on the sea to the western border. In area Belize is approximately the size of the State of Massachusetts. The country encompasses 8,750 square miles exclusive of 116 square miles of offshore islands known locally as cays. It is divided into the following political districts: Belize, Cayo, Corozal, Orange Walk, Stann Creek, and Toledo (Fig. 1).

Belize is almost bisected by the Belize River. The northern half of the country is similar to the southern part of the Yucatan Peninsula, being a fairly level plain with a maximum elevation of about 120 m. above sea level. The southern part of the country is mountainous for the most part. The dominant physiographic features in the south are the Maya and Cockscomb Mountains. The reader is referred to a recent paper (Kessler *et al.*, 1974) dealing with the geological history of this area. Average elevations in both these mountain masses lie between 850 m. and 910 m. above sea level, with the country's highest point reaching over 1130 m.

Climatically the country is described as sub-tropical even though under the Koeppen classification it is classified as "Am" (tropical monsoon) north of the Maya Mountains

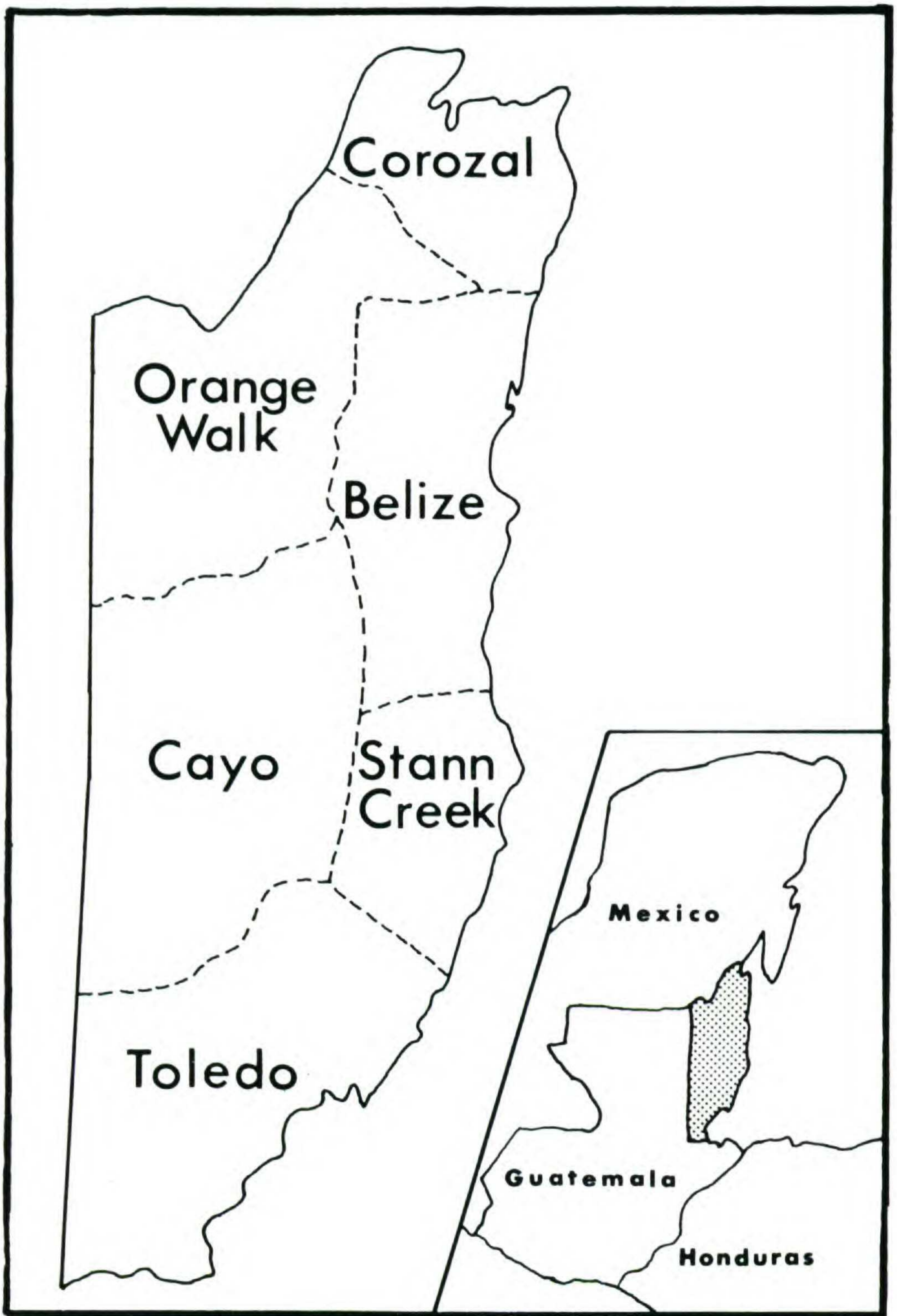


Figure 1. Map of Belize showing administrative districts, and relationship to neighboring countries (inset).

and "Af" (tropical rainforest) in the mountainous south. There is a marked dry season from February to May. Precipitation is greatest in the south and in the central mountain mass, and decreases to the north. Average annual precipitation ranges from 432 cm. in the Toledo District in the south to 132 cm. in the Corozal District in the north.

According to Lundell (1945), in terms of area Belize has a floral diversity which is perhaps unequaled among the countries of Middle America. Standley & Record (1936) state that the most significant element of the flora is West Indian. There are a large number of plants native to Cuba, Jamaica, and other parts of the West Indies, which on the continent are known only from Belize. This provides students of plant geography with a unique opportunity for investigation. Pine stands, swamps, and marshes occur in the northern plain. In the south the vegetation approaches rainforest in composition, and resembles in some respects forests in adjacent Guatemala with an admixture of Panamanian and South American elements.

Sprague & Riley (1924) predicted a flora of about 4000 species for the country, an estimate with which Lundell (1945) concurred. Standley & Record (1936) regarded endemism as low, citing a total of 138 species which could be so designated. If this be the rate of endemism, it will be about four percent. This is strikingly low, considering that Lundell estimated about fifteen percent for the entire Yucatan Peninsula.

Sprague's statement in 1924 that the flora of Belize was perhaps less known than that of any other British Colony still holds true today. Prior to 1883, there were probably not more than twenty sheets of dried plants in the Kew Herbarium (Sprague & Riley, 1924). During the period 1883 to 1894, this number was increased by about 200 through the efforts of Daniel Morris, E. D. M. Hooper, J. Robertson, and Sir Alfred Maloney, the then Governor of the Colony.

The first collection of any significant size was that of Morton E. Peck of the Yale University School of Forestry.

Professor Peck visited the country during the years 1905 to 1907, collecting about 1000 numbers. No complete account of the Peck collections has ever been published, but partial accounts have been given of the grasses by Hubbard (1913) and of the Dicotyledoneae by Blake (1917) and Sprague & Riley (1924). The Peck collections include more than 50 type specimens.

Following Peck's visit to the country, virtually no botanizing occurred for two decades. A resurgence of activity took place in 1926, however, when a cooperative study was initiated by the Forestry Department of the country and the Yale School of Forestry, chiefly through the efforts of Samuel J. Record and his colleagues at Yale University. This led to collections by several of the University personnel as well as by various members of the local Forestry Department and employees of private timber companies.

In 1928 and 1929 C. L. Lundell collected approximately 700 numbers at Honey Camp in the Orange Walk District, under the auspices of the Tropical Research Foundation. In 1929, the significant collections of W. A. Schipp were started in Stann Creek and Toledo Districts. Schipp's botanical activities in Belize were discussed at length by R. M. Lowden (1970). It appears that Schipp's sole means of support was obtained through the sale of herbarium and seed collections. His *Flora of British Honduras* for 1933-1934 is a collector's item; it is a mimeographed catalogue listing some 1129 flowering plants and offering for sale seeds and preserved plant parts. His collections from 1929 to 1941 contain at least 3500 numbers.

The period 1931 to 1958 is noteworthy for the quantity of plants collected in Belize as well as their quality. During the Maya Expeditions of the Carnegie Institution and the University of Michigan, H. H. Bartlett and C. L. Lundell botanized extensively in Cayo District and made smaller collections in Belize District (Lundell, 1940). Lundell's collections of 1928 through 1936 amount to about 3000 numbers.

During the Maya Expedition of 1931, Bartlett trained Percy Gentle of Belize City as a botanical collector (Bartlett, 1935). Lundell later assumed the responsibility of directing Gentle's field activities. Gentle remained an active collector until shortly before his death in 1958. His collection represents the largest by a single individual, just under 10,000 numbers being gathered between 1931 and 1958 (Lundell, 1960).

The Cambridge University Expedition of 1959 and 1960 accounts for two significant sets of collections. The first of these was a series of more than 700 numbers collected by the Expedition botanist D. R. Hunt. Hunt's collections are from Toledo, Stann Creek, and Cayo Districts. Most of his numbers seem to be from the Mountain Pine Ridge area of Cayo District. The second collection was made by the geographer of the Expedition, D. R. Stoddart. Stoddart's collecting activities were in conjunction with his mapping of certain of the cays. While his collections were not as extensive as those of Hunt, they are important, since they represent the only extensive collections from the offshore islands. Subsequent visits by Stoddart, with F. R. Fosberg, and M.-H. Sachet and D. Spellman, have yielded rather complete collections from 65 of the cays.

From 1961 to 1969 several botanists visited the country; these include George Proctor of the Institute of Jamaica, John Dwyer of St. Louis University and the Missouri Botanical Garden, Thomas Elias, then a graduate student at Southern Illinois University (Carbondale), Martin Kellman of Simon Fraser University, and Edward Tyson and his students from Florida State University.

The year 1970 yielded two sets of collections. The senior author collected about 800 numbers in January and in July while working with the University of Edinburgh Expedition to British Honduras (Furley, 1972). Sidney McDaniel of Mississippi State University made extensive collections in March.

From 1972 to the present time the bulk of plant collecting in Belize has been done by botanists from the Missouri

Botanical Garden. Thomas Croat, Curator of Phanerogams, collected 1794 numbers in 21 field days in the period from the 23rd of May to June 19, 1973. Alwyn Gentry, Assistant Curator at the Garden, collected about 1000 numbers during the same time. John Dwyer, Research Associate at the Garden, made several trips to Belize since 1972, collecting about 2750 numbers, almost 1000 numbers being gathered at the same time and in the same localities visited by Croat and Gentry. In eleven days in the field in January, 1974, Dwyer returned to Belize to collect about 450 numbers in the central and northern sections of the country. In ten days of field work in January, 1974, Liesner collected 293 numbers in the Districts of Belize, Cayo, and Orange Walk. By arrangement with the Belize Government, representative collections from the Croat, Dwyer, Gentry, and Liesner lots are being selected and forwarded from the Garden for permanent deposit in the recently established herbarium at Belmopan, the new capital of Belize.

The following are other botanists who over the past four years have done some collecting in Belize:

Dr. Derek Burch, University of South Florida

Dr. William Crankshaw, Ball State University

Father Leonard Dieckman, S.J., St. Johns College, Belize City

Dr. Richard Keating, Southern Illinois University (Edwardsville)

Dr. Yon Linhart, University of Colorado

Dr. Robert Long, University of South Florida

Dr. Richard Pippen, Western Michigan University

Dr. Paul Sorenson, Northern Illinois University

Dr. Mario Sousa, The National University of Mexico

Mr. Bruce Vanderveen, graduate student, St. Louis University

Dr. Richard Wunderlin, University of South Florida.

The following list includes most of the botanists who collected in Belize during the past century or more and the year or years in which they collected:

- Aguilar, Mercedes
 Aitken, J. B. — 1927
 Anderson, Roger — 1970
 Bartlett, H. H. — 1931
 Brown, C. S. — 1927-1929?
 Brunt, Martin
 Burns, J. A.
 Campbell, A. J. F. — 1922
 Carrick, J.
 Castillo, A. — 1932
 Chanek, M.
 Contreras, Elias — 1968
 Crankshaw, William — 1970
 Croat, Thomas — 1973
 Day, David Fisher — 1864
 Dieckman, Rev. L. — 1970-1972
 Donald, G. H.
 Dwyer, John — 1967; 1972-1974
 Egler, F. E. — 1942
 Elias, Thomas — 1967
 Fralish, James — 1970
 Gentle, Percy H. — 1931-1958
 Heyder, H. M. — 1927
 Hooper, E. D. M.
 Hope, M. O.
 Hummel, C.
 Hunt, D. R. — 1959-1960
 Karling, J. S. — 1927-1928
 Keating, Richard — 1971-1972
 Kellerman, W. A. — 1906-1907
 Kellman, M. C. — 1969
 Kinloch, J. B. — 1932-1933
 Kluge, H. C. — 1924?
 Lamb, A. F. A. — 1947?
 Lancaster, probably Thomas Leonard, a New Zealander
 Lazor, Robert — 1970
 Liesner, Ron — 1974
 Long, Robert — 1970

- Lundell, C. L. — 1928-1929
McDaniel, Sidney — 1972
Maxwell, Richard — 1967
Meyer, William C. — 1930
Molino, Antonio — 1954
Maloney, Sir Alfred — 1893-1894
Morris, Sir Daniel — 1893-1894
Newey, Walter W. — 1970
O'Neil, Rev. Hugh — 1936
Peck, M. E. — 1905-1907
Pelly, R. S. — 1933
Pippen, R. — 1972-1973
Proctor, G. R. — 1969
Record, S. J. — 1926; 1930
Robertson, Rev. J. — 1883-1884
Rose-Innes, R. — 1970
Sachet, M.-H. — 1972.
Sampson, H. C. — 1928
Schipp, William A. — 1929-1938
Schmidt, K. P. — 1923
Smart, H. P. — 1920; 1930?
Sorenson, Paul — 1972
Sousa, M. — 1973
Spellman, D. L. — 1970-1972
Stanton, Rev. W. A., S.J. — 1896; ca. 1906
Stevenson, Duncan — 1927-1928
Stevenson, Neil S. — 1927-1928
Stocker, C. L. — 1924
Stoddart, D. R. — 1959-1972
Thompson, J. E. — 1927-1929; 1931
Tyson, Edward — 1970
Vaughn, Joseph — 1971
Vanderveen, B. — 1973
Winzerling, H. W. — 1926-1927
Wunderlin, Richard — 1971

We have been unable to determine the given names of the following collectors: Mrs. Armstrong; Disney; Einth; Espat; and Saunders.

LIST OF THE MONOCOTYLEDONEAE

The flora of Belize has been treated in part or in a comprehensive fashion in a number of publications. Schipp's (1933-1934) *Flora of British Honduras, Price List of Seeds & Herbarium Material* was the first attempt to list all of the vascular plants from the country. This was followed by the checklist of Standley & Record entitled *The Forests and Flora of British Honduras*, which is considerably more complete. As a result of the Maya Expeditions in the 1930's, Lundell and other contributors published detailed taxonomic papers on several plant families or parts thereof. These appeared in two volumes entitled *Botany of the Maya Area* (Publ. Carnegie Inst. Wash., 1936, 1940). These treatments, although wider in geographical coverage than Belize, are a valuable source of information for the flora of Belize. Since 1946 the *Flora of Guatemala*, now nearing completion, has attempted to include the plants of Belize as well as those of Guatemala and currently represents the most authoritative source of information for the flora of Belize.

The following list of Monocotyledoneae is presented as a way of updating current knowledge of this part of the Belize flora. The list was prepared by searching the literature, by examining collections in herbaria, by identifying recently collected materials, and by checking field notes and unpublished lists. Any novelties encountered in studying very recent collections will be described and published separately by specialists. Virtually all collections made recently by botanists from the Missouri Botanical Garden are deposited in the herbarium of the Garden (MO).

We have attempted to cite individually most of the collections made in Belize since 1959, especially the extensive ones made by the staff of the Missouri Botanical Garden in the last few years. Since many of the collections made before 1959 have been treated in the *Botany of the Maya Area* or formed a basis for the treatments in the *Flora of Guatemala*, as well as in monographs and other taxonomic papers, we have not cited these specimens specifically. We have

examined all collections cited in this paper with the exception of those of D. R. Hunt.

The names of the collectors encountered in the list are abbreviated as follows:

C = Thomas Croat

D = John Dwyer

Dieck = Leonard Dieckman

G = Alwyn Gentry

H = D. R. Hunt

K = Martin Kellman

Lies = Ron Liesner

Lin = Yon Linhart

Lon = Robert Long

P = George Proctor

Sor = Paul Sorenson

Sp = Spellman

V = Bruce Vanderveen

D & L = Dwyer and Liesner

D & P = Dwyer and Pippen

DEM = Dwyer, Elias and Maxwell

L & D = Liesner and Dwyer

Sp & St = Spellman and D. R. Stoddart*

*All collections by Spellman and Stoddart, cited as Sp & St, are from the cays.

The authors of this paper would like to express their thanks to the Belize Government, especially to the Premier, the Hon. George Price, for his sustained interest in the project, as well as to Mr. E. O. Bradley, Acting Chief Forest Officer, for his assistance. The extensive collecting done by the botanists of the Missouri Botanical Garden in 1973-1974 has been facilitated greatly by the physical facilities provided at Ridge Lagoon Plantation, located at Mile 11½ on the Northern Highway, Belize by Robert Baumgartner, an American residing in Belize. The assistance rendered by the faculty at St. Johns College, Belize City is gratefully acknowledged. The senior author derived valuable field experience from his association with the Univer-

sity of Edinburgh Expedition to Belize in July-August 1970 under the direction of Dr. Peter Furley. He was also fortunate in having botanized the Cays of Belize with Dr. Raymond Fosberg and Dr. David Stoddart during June-July, 1972. Father Leonard Dieckman, S.J., and Mrs. Lydia Waight of Belize City were kind enough to check the historical introduction. Special thanks are due to Dr. Thomas Croat for his assistance in identifying the Araceae and Bromeliaceae. Special thanks are due the National Geographic Society for financial support given to Dr. Dwyer during the years 1973 and 1974 as well as the support received from the Associated Universities for International Education.

In the list, those species which we judge have not been previously recorded from Belize in published accounts, are marked by an asterisk before the binomial.

Alismataceae

Echinodorus andrieuxii (H. & A.) Small — P 29929

E. grandiflorus (Cham. & Schlecht.) Micheli — D 10978

E. nymphaeafolius (Griseb.) Buch.

Sagittaria lancifolia L.

Amaryllidaceae

Bomarea edulis (Tuss.) Herb. — P 29659

Crinum erubescens Ait.

Curculigo scorzonerifolia (Lam.) Baker — H 22

**Furcraea guatemalensis* Trel. — Sor 7052

Hippeastrum puniceum (Lam.) Urban — Lin 205

Hymenocallis cf. *caribaea* Herb. — Sp 1787; Sp 1843

H. littoralis (Jacq.) Salisb. — P 29938; Sp & St 2268; Sp & St 2288; Sp & St 2360; Sp & St 2449; Sp & St 2478

Zephyranthes lindleyana Herb.

Araceae

Anthurium sp. — G 7833

A. aemulum Schott — D 9859; D 11560; D & L 12343; G 8025; Sp 1604

A. bakeri Hook. f. — C 24225; C 24453

- A. concinnatum* Schott
A. crassinervium (Jacq.) Schott — L & D 1472
A. denudatum Engler — C 23533
A. gracile (Rudhe) Lindley — G 7954; V 616; V 618;
 V 621
A. scandens (Aubl.) Engler — C 23592; C 24309; D
 12690; G 7912; D 9946; P 30356
A. scolopendrinum (Hamilt.) Kunth
A. tetragonum Hook. ex Schott. — Sp 1948; V 658
A. trinerve Miq. — G 7413
A. verapazense Engl. — P 29825
Dieffenbachia aurantiaca Engl. — D 11184
D. sequina (L.) Schott
Monstera acuminata Koch
M. adansonii Schott — G 7434
M. belizensis Lundell
M. magnispatha Matuda
M. tuberculata Lundell
Montrichardia arborescens (L.) Schott — L & D 1448;
 L & D 1644
Philodendron belizense Standl.
P. brevispathum Schott — G 8423
P. fragrantissimum (Hook.) Kunth — C 24510
P. guttiferum Kunth — D 11306; G 8018; G 8241; P
 29700
P. hederaceum (Jacq.) Schott — Sp 1967
P. inequilaterum Liebm. — C 24305; D 11103
P. panamense Krause — D 9891; G 8033; G 8132
P. radiatum Schott — C 23534; C 24335; C 24512
P. scandens C. Koch & Cello — C 23697; C 24511; D
 12718
P. tripartitum (Jacq.) Schott — C 23670; C 24509
Pistia stratiotes L. — D & L 12158
Rhodospatha acuminata C. Koch
R. nervosa Lundell
Spathiphyllum blandum Schott — G 8017; G 8147; G 8255
S. friederichsthali Schott — C 24332; C 24451A
S. phryniifolium Schott

- Syngonium podophyllum* Schott — D & L 12043; G 8133;
L & D 1468; P 29596; P 29916; Sp 1584
Xanthosoma violaceum Schott — D & L 12078; P 29941

Bromeliaceae

- Aechmea bracteata* (Sw.) Mez — C 23922; C 23950; C
24686; D 10116; D & L 12035; D & L 12184; P 30238
A. bromeliaefolia (Rudge) Baker
A. dactylina Baker — G 6791
A. mexicana Baker — D & L 12129
A. nudicaulis L. Griseb.
A. tillandsioides (Hart.) Baker — C 24678; P 30178; V
607
Ananas comosus (L.) Merr.
Androlepis donnell-smithii (Baker) Mez — C 23322; C
24314
Billbergia viridiflora Wendl.
Catopsis aloides (Cham. & Schlecht.) Baker
C. berteroniana (Schult.) Mez — P 29818
C. morreniana Mez — Sp 1988; Sp 2002
C. sessiliflora (R. & P.) Mez var. *dioica* L. B. Sm.
Guzmania lingulata (L.) Mez — C 23768; D 9934
Pitcairnia imbricata (Brong.) Regel
P. hemsleyana Mez
P. aff. integrifolia Gawl — C 23848
P. petiolata (Koch & Bouche) Baker — P 29439
Tillandsia balbisiana Schult. — D & L 12199; P 29529;
P 29598
T. bulbosa Hook. — C 24041; C 24803; D & L 12187A;
D & L 12362; G 7974; P 29645
T. dasyliriifolia Baker — C 23274; DEM 623; H 612
T. digitata Mez
T. excelsa Griseb.
T. fasciculata Sw. — D & L 12167; Sp 1981
T. festucoides Brong. ex Mez — C 23607; G 7788; P 30223
T. filicifolia Cham. & Schlecht.
T. juncea (R. & P.) Poir. — G 7961
T. leiboldiana Schlecht.

- T. monadelpha* (E. Morren) Baker — G 7974
T. polystachia L.
T. schiedeana Steud. — C 23760; C 24327; D 9847
T. streptophylla Scheidw. — C 23881 A; D & L 12186;
 D & L 12365; L & D 1600; P 29528
T. sublaxa Baker
T. utriculata L.
T. valenzuelana A. Rich. — C 23766; C 23758
T. vestita Schlecht. & Cham.
Vriesea disticha (L.) Small
V. paniculata (L.) Mez
V. schippii L. B. Sm.

Burmanniaceae

- Apteria aphylla* (Nutt.) Barnh. ex Small
Burmannia capitata (Walt.) Mart. — D & L 12369; P
 29684
B. flava Mart.
Dictyostegia campanulata Karst.
D. orobanchioides (Hook.) Miers
Gymnosiphon tenellus (Benth.) Urban

Cannaceae

- Canna edulis* Ker — K 451; P 29465
C. indica L. — DEM 141; Sp 1411

Commelinaceae

- Callisia repens* L.
C. ciliata H.B.K.
Campelia zanonina (L.) H.B.K. — D 9854; D 9883
Commelina diffusa Burm.f. — K 411
C. elegans H.B.K.
C. erecta L. — C 23801; C 24100; G 8003
C. longicaulis Jacq.
Dichorisandra hexandra (Aubl.) Standl.
Phaeosphaerion persicariaefolium (DC.) C. B. Clarke
Rhoeo spathacea (Sw.) Stearn — P 29646; Sp 1977; Sp
 1980; Sp 1987; Sp 2007
Tradescantia belizensis Standl.

- T. geniculatum* Jacq. — P 30078
T. lundellii Standl.
Tripogandra cumanensis (Kunth) Woodson — P 30153
T. grandiflora (D. Sm.) Woodson — H 399; K 592; P 29692; Sp 2008
T. serrulata (Vahl) Handlos — C 23717; G 7981
Zebrina pendula Schnizl.

Cyclanthaceae

- Asplundia chiapensis* (Mart.) Harl.
Carludovica palmata R. & P.
C. utilis (Oerst.) Benth. & Hook.

Cyperaceae

- **Abildgaardia ovata* (Burm.f.) Kral — D 11050
Bulbostylis arenaria (Nees) Lindm. — H 189; P 29431
B. capillaris (L.) C.B. Clarke
B. junciformis (H.B.K.) Lindm. — H sn; H 13; H 244
B. paradoxa (Spreng.) Lindm. — D & P 10124; H 81; P 29432
B. tenuifolia (Rudge) Macbr. — C 23962
B. vestita (Kunth) C.B. Clarke — D 11608; H 18
Calyptracarya glomerulata (Brong.) Urban — G 8595
Carex polystachya Sw. ex Vahl var. *bartletti* (O'Neill) Standl. & Steyermark — H 248; P 29647
Cladium jamaicense Crantz — C 23296; C 24995; D 12642; DEM 629; Dieck 294; G 8527; Sp & St 2239
Cyperus articulatus L.
C. brevifolius (Rottb.) Endl. ex Hassk.
C. compressus L.
C. cyperoides (L.) Kuntze — H 283
C. diffusus Vahl — C 24865; G 7997; G 8032; G 8443
C. digitatus Roxb. — P 29926
C. eggersii Boeck.
C. elegans L.
C. esculentus L.
C. flavus (Vahl) Nees
C. haspan L. — C 23915; C 23998; C 24865; D 10756; H 100; P 29675; P 29716

- C. hermaphroditus* (Jacq.) Standl. — C 24853
C. humilis Kunth — P 29580
C. imbricatus Retz.
C. ischnos Schlecht.
C. lanceolatus Poir.
C. lentiginosus Millsp. & Chase
C. ligularis L. — C 24066; C 24106; C 24533; DEM 516;
 Lin 30; Sp & St 2211; Sp 2450
C. luzulae (L.) Retz. — C 23522; C 23800; D 12705;
 DEM 489; G 7996; G 8000; G 8431; P 29934; H 176;
 H 254; Sp 1591
C. macrocephalus Liebm. — C 23370
C. mutisii (H.B.K.) Griseb. — H 477
C. ochraceus Vahl — C 24007; C 24660; P 29928; Sp 1814
C. odoratus L. — C 24009; C 24579; G 7999; DEM 274;
 Dieck 161; P 29927
C. pallens (Liebm.) Standl. & Steyermark
C. peruvianus (Lam.) F.N. Williams — C 24111; DEM
 515; Sp & St 2271; Sp & St 2343; Sp 2400; Sp 2469
C. planifolius L. Rich. — Lin 1; Lin 2; Lin 31; Lin 71;
 Sp & St 2202; Sp & St 2210; Sp & St 2216; Sp & St
 2237; Sp & St 2257; Sp & St 2270; Sp & St 2272; Sp
 & St 2289; Sp & St 2324; Sp & St 2372; Sp & St 2385;
 Sp 2400; Sp 2408; Sp 2422; Sp 2503; Sp 2537; Sp 2560
C. polystachyos Rottb. — C 24105; C 24865A; D 11465
C. prolixus H.B.K. — D 10855
C. rotundus L. — C 24085
C. semiochraceus Boeck.
C. surinamensis Rottb. — G 7996
C. tenuis Sw. — K 419; K 426
C. unioloides R. Br. — H 98
Eleocharis caribaea (Rottb.) Blake — D & L 1255; G
 7868; DEM 607
E. cellulosa Torr.
E. elegans (H.B.K.) R. & S. — C 24868; D 10760; DEM
 259; H 175
 **E. elongata* Chapm. — H 379
E. filiculmis Kunth — DEM 238; H 422; D & L 1670

- E. flavescens* (Poir.) Urban
E. interstincta (Vahl) R. & S.
E. maculosa (Vahl) R. & S. — E 170; H 415
E. minima Kunth — H 445
E. minutissima Britt.
E. montana (H.B.K.) R. & S. — D & L 12328
E. mutata (L.) R. & S. — Vaughn *et al.* 276B
E. nigrescens (Nees) Steud.
E. pachystyla (C. Wright) C.B. Clarke — H 377
E. retroflexa (Poir.) Urban
Fimbristylis annua (All.) R. & S.
F. autumnalis (L.) R. & S.
F. castanea (Michx.) Vahl
F. complanata (Retz.) Vahl — D 10855
F. dichotoma (L.) Vahl — D 9525A; H 618
F. milacea (L.) Vahl
F. spadicea (L.) Vahl — C 24095; D 11288; D & P 10037;
 Vaughn *et al.* 275
F. spathacea Roth — Sp & St 2445; Sp & St 2277; Sp &
 St 2377; Sp 2415; Sp 2511; Sp & St 2565
F. vahlii (Lam.) Link.
Fuirena bulbipes Blake — C 24043; C 24125; D 11377;
 G 7877; G 8529
 **F. campotricha* C. Wright — H 97; H 329
F. incompleta Nees
F. simplex Vahl
F. umbellata Rottb. — P 29579
Hypolytrum longifolium (L. Rich.) Nees ssp. *nicara-*
guense (Liebm.) Koyama — D & L 12067
Lagenocarpus guianensis Lindl. & Nees
Lipocarpa maculata (Michx.) Torr.
Rhynchospora barbata (Vahl) Kunth — C 23273; C
 24082; D 10912A; G 8530; H 342; H 621; L & D 1683
R. cephalotes (L.) Vahl — C 23516; C 24786; G 8411;
 H 250
 **R. chapmanii* M. A. Curt. — DEM 442
R. colorata (L.) H. Pfeiff. — C 23256; D 10931; G 7865;
 H 393

- R. corymbosa* (L.) Britt. — C 24067
R. curvula Griseb. — D & P 10050; H 337
R. cyperoides (Sw.) Mart. — C 23254; C 23341; C 23511;
 C 23820; C 23952; C 23963; C 24768; D 11070; D
 11482A; D 12767; D & P 10017; G 7871; G 8528;
 H 169; H 237; Sp 1636
R. divergens M. A. Curt. — C 23260; C 24080A; D 10726;
 D 12420; D 12615
R. exaltata Kunth — D 11687
R. exima (Nees) Boeck. — D 9050
R. fascicularis (Michx.) Vahl — D 10406; D & P 10039
R. globosa (H.B.K.) R. & S. — D 11670; D 12709; D & P
 10015; H 84; H 341
 **R. globularis* (Chapm.) Small — C 23966; D & P 10076;
 G 7872; H 11; H 309; H 366
R. hirsuta Vahl — L & D 1666
 **R. intermixta* C. Wright — D 10924; D 10925; D 11601;
 D 11609; D 10473A; D & P 10038; D & P 10132A;
 G 7867
R. marisculus Nees — H 291
R. micrantha Vahl
R. nervosa (Vahl) Boeck. — C 23532; C 24603; D 9829;
 DEM 238; DEM 355; G 8496; H 293; K 524; Sp 1531;
 Sp 1711
 **R. oligantha* Gray — H 426
 **R. plumosa* Ell. — C 24036; DEM 651; D & P 10132A
 **R. podosperma* C. Wright — H 196
R. pusilla (Sw.) Griseb.
R. radicans (Cham. & Schlecht.) H. Pfeiff. — C 23366;
 C 23399; D 11131; G 7995
 **R. rariflora* (Michx.) Ell. — C 24036A
R. robusta (Kunth) Boeck. — DEM 617; H 99
R. rugosa (Vahl) Gale — D 11612; DEM 651
R. setacea (Berg.) Boeck. — C 23277; DEM 651; L & D
 1681
R. tenuis Link — DEM 442
 **R. torresiana* Britt. & Standl. — H 230; P 29676
R. watsoni (Britt.) Davidse

Scirpus chilensis Nees & Meyen

**Schoenus nigricans* L. — H 386; L & D 1675

Scleria areolata Lundell

S. bracteata Cav. — C 23294; C 23933; C 23964; C 24001;
D 12403; D & L 12233; H 156; L & D 1424

S. ciliata Michx. — C 23964; H 192

S. eggersiana Boeck. — C 24034 A

S. georgiana Core — C 23414; C 24080; D 10404; D
10717; H 321; L & D 1660; L & D 1664; L & D 1676;
L & D 1684

S. hirtella Sw. — L & D 1679

S. interrupta L. Rich.

S. latifolia Sw. — C 24508; C 24836; DEM 529; D & L
12081

S. lithosperma (L.) Sw. — C 24921; D 11013; D 12753

S. macrophylla Presl

S. microcarpa Nees — D 11467; H 494

S. micrococca (Liebm.) Steud. — H 191

S. mitis Berg. — DEM 470

S. muehlenbergii Steud. — DEM 231; H 455

S. pauciflora Muhl.

S. pinetorum Britt.

S. pterota Presl — C 23672; C 23936; C 23971; C 24034;
C 24536; C 24943; D 11012; D 11216; D 11380; DEM
545; G 8527; Spellman *et al.* 276

S. pterota Presl var. *melaleuca* (Reichenb.) Uittien — H
259; K 503

S. secans (L.) Urban — C 24143; C 24475; G 8527; H
493; Spellman *et al.* 276

S. setacea Poir.

S. verticillata Muhl. ex Willd.

Dioscoreaceae

N.B. A goodly number of very recent collections have not been identified (and hence not cited) due to the current state of confusion in the genus.

Dioscorea bartlettii Morton — Sp 1895; Sp 1904

D. bernoulliana Prain & Burkhill — H 267

- D. convolvulacea* Cham. & Schlecht. — Sp 1903; Sp 1918
D. esurientium Uline
D. macrostachya Benth.
D. polygonoides H. & B. ex Willd.
D. spiculiflora Hemsl.

Eriocaulaceae

- Eriocaulon fulginosum* C. Wright — H 383
E. schiedeianum Koern.
E. schippii Standl.
Paepalanthus gentlei Moldenke
P. lamarckii Kunth
Syngonanthus gracilis (Koern.) Ruhl
S. hondurensis Moldenke
S. lundellianus Moldenke
S. o'neillii Moldenke
Tonina fluviatilis Aubl.

Gramineae

- Acroceras zizanioides* (H.B.K.) Dandy
Andropogon bicornis L. — H 89
A. ellioti Chapm.
A. gerardi Vitman — Sp 1574; Sp 1644
A. glomeratus (Walt.) B.S.P. — C 24044; Lin 34; Lin 115; Lin 122; Sp & St 2210; Sp & St 2342; Sp & St 2376; Sp 2389
A. lateralis Nees
A. leucostachyus H.B.K. — C 24006; D 11506; D 12769; G 7861; G 7866
A. selloanus (Hack.) Hack. — H 144; H 430
A. virginicus L. — Sp 1642
Antheophora hermaphrodita (L.) Kuntze
Aristida arizonica Vasey
A. capillacea Lam. — H 339
A. divaricata H. & B.
A. implexa Trin. — H 79
A. laxa Cav. — L & D 1446; L & D 1667
A. liebmannii Fourn.
A. longifolia Trin.

- A. orizabensis* Fourn. — D 9107; H 419
A. purpurascens Poir. — G 7862
A. recurvata H.B.K. — H 303; H 417
**A. setifolia* H.B.K. — D 11604
A. tenuispica Hitchc. — C 23965; C 24081; D 11518
A. ternipes Cav.
**A. vilfifolia* Henr. — D & P 10051
Arundinella berteroniana (Schult.) Hitchc. & Chase —
H 418
A. deppeana Nees — D & L 12229; H 385
Axonopus aureus Beauv. — H 141
A. ciliatifolius Swallen — H 83
A. compressus (Sw.) Beauv. — H 441
A. elongatus Swallen — H 490
A. poiophyllus Chase — H 391
A. purpusii (Mez) Chase
A. rhizomatosus Swallen
Bambusa vulgaris Schrad. ex Wendl.
B. swalleniana McClure — C 23424
**Bothriochloa bladhii* (Retz.) S. T. Blake — D 9921A
Brachiaria fasciculata (Sw.) Blake — C 23453; C 23456;
C 24045; C 24918; D 11551; DEM 401; K 421; Sp 1816
B. mutica (Forsk.) Stapf — K 430
Cenchrus brownii R. & S. — C 24980; K 435; Sp 1795
C. echinatus L. — C 24096
**C. incertus* M.A. Curt. — Sp & St 2249; Sp & St 2364
Chloris barbata Sw. — C 24069
C. ciliata Sw.
C. radiata (L.) Sw. — C 23501; H 47
Cynodon dactylon (L.) Pers. — Dieck 184; K 697; Sp 244
**Dichanthium annulatum* (Forsk.) Stapf — D 11181
Digitaria cayonensis Swallen
D. ciliaris (Retz.) Koel.
D. fuscescens (Presl) Henr. — D 11602
D. horizontalis Willd. — C 23306; C 24108; Sp 1721
D. insularis (L.) Mez ex Ekman — K 583
D. multiflora Swallen
Distichlis spicata (L.) Greene

- Echinochloa colonum* (L.) Link — C 23311; D 11407
E. polystachya (H.B.K.) Hitchc. — D 10745
 **Echinolaena gracilis* Swallen — D 10424B; H 334
Eleusine indica (L.) Gaertn. — C 23305; C 23307; C 23311; C 23502; G 8088; K 422; D 9840A; D 9853A; D 10403; Sp 1815
Eragrostis acutiflora (H.B.K.) Nees — G 8092
E. bahiensis Schrad. — D 9105
E. ciliaris (L.) R. Br. — H 453; K 576; Sp & St 2971; Sp 2446
E. domingensis (Pers.) Steud. — D 11457; D & P 10034; D & P 10036; D 11457; D 12149; Dieck 117; H 378; Lin 73; Lin 116; Lin 117; Lin 119; Sp & St 2252; Sp & St 2378; Sp 2405; Sp 2454
E. elliotii Wats.
E. hirsuta (Michx.) Nees — H 468
E. hypnoides (Lam.) B.S.P.
E. lugens Nees
E. maypurensis (H.B.K.) Steud. — D 10403; D & L 12147; D & L 12212; H 194
E. mexicana (Hornem.) Link
E. prolifera (Sw.) Steud.
E. tenella (L.) R. & S.
Eriochloa punctata (L.) Desv. ex Hamilt.
Eriochrysis cayennensis Beauv.
Eustachys petraea (Sw.) Desv. — Lin 35; Lin 75; Lin 121; Lin 163; Sp & St 2362; Sp & St 2236; Sp & St 2250; Sp & St 2410; Sp 2437
Gymnopogon spicatus (Spreng.) Kuntze
Gynerium sagittatum (Aubl.) Beauv.
Hackelochloa granularis (L.) Kuntze
 **Hemarthria* cf. *altissima* (Poir.) Stapf. & C.E. Hubb. — Sp & St 2368
Homolepis aturensis (H.B.K.) Chase — C 23634; C 24060; H 101
Hymenchne amplexicaulis (Rudge) Nees — C 23432
Hypogynium virgatum (Desv.) Dandy — C 24192; D 11067; D & L 12364; DEM 613; H 271; L & D 1672

- Ichnanthus axillaris* (Nees) Hitchc. & Chase
I. brevivaginatus Swallen
I. lagotis (Trin.) Swallen — H 434
I. lanceolatus Scribn. & Smith — D 11379
I. mexicanus Fourn.
I. nemoralis (Schrad.) Hitchc. & Chase
I. pallens (Sw.) Munro ex Benth.
I. scaberrimus Swallen
I. standleyi Hitchc.
I. tenuis (Presl) Hitchc. & Chase
I. villosus Swallen
Imperata brasiliensis Trin. — K 563
I. contracta (H.B.K.) Hitchc.
Isachne sp. — C 24019
I. polygonoides (Lam.) Doell.
Ischaemum latifolium (Spreng.) Kunth — C 24184; C 24878; D 10466; D 11379; D & L 12192; L & D 1432
Lasiacis divaricata (L.) Hitchc. var. *divaricata* — C 23649; C 23707; C 3924; C 24420; D 9957; D 10971; D 11155; D & L 12030; D & L 12209; Sp 1713
L. grisebachii (Nash) Hitchc. var. *grisebachii* — C 23334; C 23398; DEM 544 B; L & D 1483; Sp 1598; Sp 1661
L. oaxacensis (Steud.) Hitchc. var. *oaxacensis* — DEM 544 A; K 651; L & D 1588
L. procerrima (Hack.) Hitchc. — C 24416; D 11194; D 11416; D & L 12075
L. rugelii (Griseb.) Hitchc. var. *rugelii* — C 24770; C 24990; D 12757; D & L 12284; H 266; P 29950
L. ruscifolia (H.B.K.) Hitchc. var. *ruscifolia* — D 11005
L. sloanei (Griseb.) Hitchc. — C 23912; K 588; Sp 1888
L. sorghoidea (Desv.) Hitchc. & Chase var. *sorghoidea* — K 697
Leersia hexandra Sw.
L. ligularis Trin. var. *breviligularis* (Prod.) Pyrah — C 23496
Leptochloa domingensis (Jacq.) Trin
L. filiformis (Lam.) Beauv.

- L. uninerva* (Presl) Hitchc. & Chase
L. virgata (L.) Beauv. — C 23454; K 405; Sp 1731
Leptocoryphium lanatum (H.B.K.) Nees — G 7869
Merostachys pauciflora Swallen
Mesosetum blakei Swallen — H 346
M. filifolium F.T. Hubb. — D 10041; D & P 10020; G 7870; H 85
Olyra latifolia L. — C 23943; C 24671; DEM 373; G 7847; Sp 1586; Sp 1659; Sp 1924; Sp 1965
O. yucatana Chase — C 23395; C 23478; C 23604; C 23894; L & D 1511
Oplismenus burmannii (Retz.) Beauv. — K 532
O. hirtellus (L.) Beauv.
O. setarius (Lam.) R. & S. — P 29842
Oryza alta Swallen
O. latifolia Desv.
O. sativa L.
Panicum agrostoides Spreng.
P. albomarginatum Nash — Sp 1631
P. altum Hitchc. & Chase
P. aquaticum Poir.
P. bartlettii Swallen — C 23332; C 23387; K 551
P. cayennense Lam.
P. cayoense Swallen
P. chamaelonche Trin.
P. cyanescens Nees ex Trin. — C 24185A; G 8051; H 211; H 344
P. erectifolium Nash — C 23259; C 24077; D 10716
P. frondescens Mey. — D 11469
P. furtivum Swallen — H 451
P. fusiforme Hitchc. — H 308; DEM 449
P. ghiesbreghtii Fourn.
P. hirsutum Sw. — C 23483; C 23664; C 24285; K 461
P. hirtum Lam.
P. ichnanthoides Fourn.
P. lancearium Trin.
P. lanuginosum Ell. — H 10

- P. laxum* Sw. — C 23537; C 23967; C 24025; C 24121;
 C 24185; C 24860; C 24930; D 10755; DEM 273; K
 698; Lin 74; Lin 123; H 442; H 458
P. longiligulatum Nash
P. lundellii Swallen
P. maximum Jacq. — D 12717; K 662
P. milleflorum Hitchc. & Chase
P. neuranthum Griseb.
P. olivaceum Hitchc. & Chase — D 9110
P. parvifolium Lam. — H 495
P. parviglume Hack.
P. patulum (Scrib. & Merr.) Hitchc.
P. pilosum Sw. — C 24880; Sp 1600; Sp 1693
P. polycaulon Nash — H 9
P. polygonatum Schrad. — C 24516; C 24517; G 7956
P. pulchellum Raddi — DEM 173
P. rudgei R. & S. — DEM 454; H 332
P. sellowii Nees — H 463
P. sphaerocarpon Ell.
P. stagnatile Hitchc. & Chase
P. stenoides F.T. Hubb.
P. tenerum Beyr. ex Trin. — H 497
P. trichanthum Nees
P. trichoides Sw. — C 24867; G 7989; G 8450; K 455
P. tuerkheimii Hack.
P. virgatum L. — K 687
P. viscidellum Scribn. — C 23391; C 23398A; C 24077A;
 H 253
P. wrightianum Scribn. — Sp 1514
Paspalum blodgettii Chapm. — C 23939; C 24046A; H
 448
P. botteri (Fourn.) Chase — C 23626; C 23668; C 23700;
 C 24769
P. caespitosum Flügge — C 23626; C 23668; C 23771; D
 10779
P. clavuliferum C. Wright
P. conjugatum Berg. var. *conjugatum* — C 23302; C
 24098; C 24262; C 24693; DEM 176; H 285; Sp 1666

- P. conjugatum* var. *pubescens* Doell — Sp 1599
P. conspersum Schrad. ex Schult.
P. convexum H. & B. — H 195
P. corcovadense Raddi — G 8607; H 440
P. coryphaeum Trin.
P. decumbens Sw. — C 24421; C 24520
P. distichum L. — Sp 2465; Sp 2487; Sp 2509; Sp 2531;
 Sp & St 2464
P. fasciculatum Willd. ex Flügge — C 24130; C 24135;
 C 24183
 **P. fimbriatum* H.B.K. — C 23455; C 24612; DEM 242;
 S 1722
P. humboldtianum Flügge — H 462
P. langei (Fourn.) Nash — C 23828
 **P. laxum* Lam. — H 442; H 458; Sp & St 2276
 **P. lineare* Trin. — Sp 1513
P. millegrana Schrad. — C 24769; D 11291; D 12469
P. minus Fourn. — H 165; H 439
P. multicaule Poir. — H 336
P. notatum Flügge
P. nutans Lam.
P. orbiculatum Poir.
P. paniculatum L. — C 23789; H 154
P. peckii F.T. Hubb.
P. pectinatum Nees — H 80
P. pilosum Lam.
P. plicatulum Michx. — C 24033A; C 24130
P. pulchellum Kunth — C 23997; C 24033; D 11092; G
 7859; G 7864; H 88; Sp 1641
P. repens Berg.
P. serpentinum Hochst. ex Steud. — C 24033; G 7863
P. vaginatum Sw. — C 24047; C 24099
P. virgatum L. — C 23309; C 23457; C 24107; D 9859A;
 D 11339; DEM 175; DEM 276; G 7957; Lin 36; Lin
 72; Lin 120; Lin 204A; Sp 1732
Pennisetum complanatum (Nees) Hemsl. — DEM 114
P. nervosum (Nees) Trin.
P. setosum (Sw.) L. Rich.

- Pharus latifolius* L. — C 24542; Sp 1615; Sp 1602
P. parvifolius Nash — G 8175
Phragmites australis (Cav.) Trin. ex Steud. — D 10383;
 H 297; L & D 1440
Rhipidocladum bartlettii (McClure) McClure
Rhynchelytrum repens (Willd.) C.E. Hubb. — L & D 1445
Rottboellia exaltata L.f.
Saccharum officinarum L.
Sacciolepis myuros (Lam.) Chase
Schizachyrium brevifolium Nees ex Kunth
S. hirtiflorum Nees
S. microstachyum (Desv.) Roseng., Arr. & Izag. — D
 11206, D 12632; DEM 540
S. semiberbe Nees — L & D 1671
S. tenerum Nees
Setaria scandens Schrad. ex Schult. — H 483
S. geniculata (Lam.) Beauv. — C 24051; C 24984; Sp
 1692; Sp 1768
S. grisebachii (Steud.) Fourn.
S. tenacissima Schrad. ex Schult.
S. tenax (L. Rich.) Desv. — H 421
S. vulpiseta (Lam.) R. & S.
Sorgastrum setosum (Griseb.) Hitchc. — H 20
Sorghum halepense (L.) Pers. — DEM 650
Spartina spartinae (Trin.) Merr. — D 11397; D & P
 10035; G 8372; Lin 168; Sp & St 2206; Sp 2291; Sp
 2553; Sp 2562
Sporobolus buckleyi Vasey
S. cubensis Hitchc. — H 82
S. indicus (L.) R. Br. — H 108; Sp 1730
S. jacquemontii Kunth — C 23308; C 23875; C 24163;
 C 24992; D 9838A; D 9995A; D 11167; D 11408; D
 12431
S. virginicus (L.) Kunth — C 24093; D 11475; Lin 4;
 Lin 168; Lin 204; Sp 2182; Sp 2526; Sp & St 2234;
 Sp & St 2275; Sp & St 2286; Sp & St 2382; Sp 2414;
 Sp 2462; Sp 2508; Sp 2526; Sp 2573
Stenotaphrum secundatum (Walt.) Kuntze

Streptochaeta sodiroana Hack.

Thrasya camplostachya (Hack.) Chase — H 437; H 614

T. thrasyoides (Trin.) Chase

Trachypogon angustifolius (H.B.K.) Nees ex Hack. — H 86; H 488

T. montufari (H.B.K.) Nees

Triplasis purpurea (Walt.) Chapm.

Tripsacum dactyloides L.

T. latifolium Hitchc. — D & L 12211; H 315

T. laxum Nash

Zea mays L.

Haemodoraceae

Xiphidium caeruleum Aubl.

Hydrocharitaceae

Thalassia testudinum Konig

Hypoxidaceae

Hypoxis decumbens L. — H 153; Sp 1516; Sp 1629

Iridaceae

Cipura paludosa Aubl. — D 12801

Marica gracilis Herb.

Nemastylis bequaertii Standl.

N. sylvestris (Loes) Loes (= *Eustylis sylvestris* Loes)
— D & P 10064

Sisyrinchium tinctorium H.B.K. — DEM 216; P 29857

Juncaceae

**Juncus marginatus* Rotsk. — D 10754

Liliaceae

Allium cepa L.

A. sativum L.

Dracaena americana J. D. Sm. — D 9967; D 12602; P 30028; Sp 1709A; Sp 1713A; Sp 1891

Echeandia sp. — H 109

Yucca elephantipes Reg.

Marantaceae

Calathea albicans Brong.

C. altissima (P. & E.) Koern.

- C. barbillana* Cuf. — G 7889; G 8179; G 8479
C. insignis Peters — C 24374; G 7943; G 8594
C. lutea (Aubl.) Mey. — C 24268; D 9877; DEM 538; G 8034; P 30229
C. macrosepala Schum.
C. microcephala (P. & E.) Koern. — C 24440; G 8181; G 8588; V 635
Ischnosiphon morlaei (Eggers) Schum. — C 24400
Maranta arundinacea L. — C 23874; C 24444; D 9975; DEM 131; G 1835; G 8148; K 678; Sp 1568
Myrosma guapilesense J. D. Sm.
Pleiostachya pruinosa (Reg.) Schum.
Stromanthe lutea (Jacq.) Eichl. — D 11311
Thalia geniculata L. — C 23991

Mayacaceae

- Mayaca aubletii* Michx.
M. fluviatilis Aubl. — P 29427

Musaceae

- Heliconia acuminata* L. Rich.
H. aurantiaca Ghiesbr.
H. bourgaeana O.G. Peters.
H. champneiana Griggs
H. collinsiana Griggs
H. hirsuta L.f. var. *rubriflora* R.R. Sm.
H. latispatha Benth. — C 23305; C 24903; DEM 581; Sp 1681; P 29923
H. mariae Hook.f.
H. pendula Wawra
H. psittacorum L.f. — Sp 1963
H. schiedeana Kl. — D 10815; DEM 235
H. spissa Griggs — P 30154
H. cf. subulata R. & P. — Sp 1603
H. vaginalis Benth. — D 9870; G 8144; G 8248; V 599
H. wagneriana O.G. Peters. — C 24273

Naiadaceae

- Nais guadalupensis* (Spreng.) Morong

Orchidaceae

- Bletia purpurea* (Lam.) DC — D 10464; G 7606; H 498
Brassavola nodosa (L.) Lindl. — H 411
Campylocentrum micranthum (Lindl.) Rolfe
C. sullivanii Fawc. & Rendle
Catasetum integerrimum Hook. — H 126
Cattleya skinneri Batem. — H 50
Chysis bractescens Lindl.
Coryanthes picturata Reichenb. f. — P 30276
C. speciosa Hook.
Corymborchis flava Kuntze
Cranichis sylvatica A. Rich. & Gal. — H 289
Cycnoches chlorochilon Kl.
C. warscewiczii Reichenb. f. — Sp 1952
Diacrium bidentatum (Lindl.) Hemsl.
Dicrium bilamellatum (Reichenb. f.) Hemsl. (= *Caularthron bilamellatum* (Reichenb. f.) Schult.)
Dichaea tuerckheimii Schltr.
Elleanthus linifolius Presl
Encyclia bractescens (Lindl.) Hoehne
E. cochleata (L.) Dressler — G 7818; Sp 1581
Epidendrum alatum Batem.
E. anceps Jacq. — P 30091
E. belizense Reichenb. f.
E. boothianum Lindl.
E. boothii (L.) L.O. Wms.
E. ciliare L.
E. clowesii Batem. ex Lindl.
E. cochleatum L. — G 7818; H 127; P 29905
E. condylochilum Lehm. & Kranzl
E. difforme Jacq.
E. imatophyllum Lindl. — P 30275
E. isomerum Schltr. — P 29774
E. nocturnum Jacq.
E. paniculatum R. & P.
E. polyanthum Lindl.
E. polybulbon Sw.
E. pygmaeum Hook.

- E. radiatum* Lindl.
E. rigidum Jacq. — P 29597
E. stamfordianum Batem.
E. stenopetalum Hook.
E. verrucosum Sw. — P 29433
Erythroides purpurea Ames
Eulophia alata (L.) Fawc. & Rendle
E. longifolia (Kunth) Schltr.
Galeandra batemanii Rolfe
G. baueri Lindl.
Gongora maculata Lindl.
G. cf. quinquenervis R. & P. — D 9939; G 8039; G 8134
Habenaria lankesteri Ames
H. mesodactyla Griseb.
H. odontopetala Reichenb. f.
H. cf. pauciflora (Lindl.) Reichenb. f.
H. repens Nutt.
H. setifera Lindl.
Ionopsis utricularioides (Sw.) Lindl.
Isochilus crassiflorus A. Rich. & Gal.
I. linearis (Jacq.) R. Br. var. *carosiflorus* (Lindl.) Correll
Laelia digbyana Benth.
L. tibicinis (Batem. ex Lindl.) L.O. Wms. — H 327
Lycaste cochleatam Lindl. ex Paxt.
Macradenia brassavolae Reichenb. f.
Masdevallia tubuliflora Ames
Maxillaria crassifolia (Lindl.) Reichenb. f.
M. densa Lindl.
M. friedrichsthali Reichenb. f. — P 29774; P 29827; P
 29687
M. macleei Batem
M. ringens Reichenb. f.
M. tenuifolia Lindl. — P 30188
M. uncata Lindl. — P 29686
Mormodes buccinator Lindl.
M. ringens (Lindl.) Schlecht.
Notylia barkeri Lindl.
N. trisepala Lindl & Paxt.

- Oncidium ascendens* Lindl.
O. carthagenense (Jacq.) Sw. — H 132
O. cebolleta (Jacq.) Sw. — H 137
O. ensatum Lindl. — DEM 461
O. luridum Lindl.
O. pusillum (L.) Reichenb. f. — D 9938; H 410
O. sphacelatum Lindl. — H 396?
Ornithocephalus inflexus Lindl.
O. pottsiae Wats.
Pleurothallis blaisdellii Wats.
P. brighamii Wats. — C 24156
P. marginata Lindl. — H 136
P. racemiflora (Sw.) Lindl.
P. yucatanensis Ames & Schweinf.
Polystachya cerea Lindl.
P. clavata Lindl. — H 128?
P. luteola (Sw.) Hook.
P. masayensis Reichenb. f.
P. minor Fawc. & Rendle
Ponera striata — Lindl.
Rhyncholaelia digbyana (Lindl.) Schltr. — H 133
Scaphyglottis behrii (Reichenb. f.) Benth & Hook. ex
Hemsl.
S. cuneata Schltr.
S. wercklei Schultz var. *major* Schweinf.
Sobralia decora Batem.
S. fragrans Lindl.
S. macrantha Lindl. — DEM 460; H 51
Spiranthes acaulis (J. E. Sm.) Cogn.
S. graminea Lindl. — Sp 1623?
S. lanceolatus Fawc. & Rendle
S. orchidioides (Sw.) A. Rich. — DEM 537
S. squamulosus Fawc. & Rendle
S. tortilis (Sw.) L. Rich. — H 220
Stelis ciliaris Lindl.
Stenorrhynchos lanceolatus (Aubl.) Griseb. — H 404
Trigonidium egertonianum Batem. ex Lindl. — P 30222
Vanilla fragrans (Salisb.) Ames

Palmae

- Acrocomia belizensis* Bailey
A. mexicana Karw. ex Mart.
A. panamensis Bailey — C 23916; Sp 1832
Asterogyne martiana Wendl. ex Hook. f. — C 24524
Asterocaryum mexicanum Liebm. — C 23735; C 24165;
 C 24455; D 10906; G 8143
Bactris major Jacq. (including *B. balanoides* (Oerst.)
 Wendl.) — C 23437
B. trichophylla Burret — C 23972; C 24340; C 24788; D
 11101; Sp 1686
Calyptrogyne donnell-smithii (Dammer) Burret — C
 24381
Chamaedorea adscendens (Dammer) Burret
C. arenbergiana Wendl.
C. elegans Mart.
C. ernesti-angusti Wendl. — C 23335; C 24306; D 10148;
 D & L 10907; G 7735; G 7831; G 7980; G 8129; Sp
 2005
C. erumpens Moore
C. geonomaeformis Wendl.
C. lindeniana Wendl. *sp. vel aff.* — C 23318; C 24296;
 C 24382; G 7734
C. neurochlamys Burret
C. oblongata Mart. — G 7828
C. schippii Burret — G 7831A
C. wendlandiana Hemsl. — C 23816; C 24564; D 11107;
 D 11441; G 7854; G 7976; G 8309; G 8599
Cocos nucifera L.
Cryosophila argentea Bartlett — C 23789A; D & L 12251;
 L & D 1621; Sp 1892
C. warscewiczii (Wendl.) Bartlett, *sp. vel aff.* — C 23605
Desmoncus ferox Bartlett — C 23338; C 24746; D 11352
D. leiorhachis Burret
D. quasillarius Bartlett
D. schippii Burret — D 10958; G 8035; Sp 1685; Sp 1882
Euterpe macrospadix Oerst.

- Geonoma binerva* Oerst.
G. longipetiolata Oerst.
G. oxycarpa Mart. (including *G. mexicana* Liebm.) —
 C 24468; D 10921; D 11312; D & L 12096; G 7987
Opisandra maya Cook.
Orbignya cohune (Mart.) Dahlg. ex Standl. — C 23444;
 Sp 1687
Paurotis schippii Burret
P. wrightii (Griseb. & Wendl.) Britt. ex Britt. & Schafer
 — C 23267; C 23953; D 10478; D 10977; Dwyer *et al.*
 365; G 8055; Sp 1617; Sp & St 2356
Reinhartia gracilis (Wendl.) Burret var. *gracilis*
R. gracilis var. *gracilior* (Burret) H.E. Moore
R. latisecta (Wendl.) Burret
Roystonea oleracea (Jacq.) Cook
R. regia (H.B.K.) Cook
Sabal mayarum Bartlett
S. morrisiana Bartlett — Sp 1893
S. nematoclada Burret
Scheelea sp. — C 23436; G 8596
Schippia concolor Burret — C 24814; G 8422
Synnechanthus fibrosus Wendl. — C 24527; C 24556; D
 11309; Sp 2015A
Thrinax radiata Lodd. — Sp & St 2145; Sp & St 2222;
 Sp & St 2298; Sp & St 2357; Sp & St 2417; Sp & St
 2476; Sp & St 2557. We follow Reed (*Principes* 18:
 39. 1974) in the usage of this name in preference to
T. parviflora Sw. and *T. floridana* Sarg.

Pontederiaceae

- Eichornia crassipes* (Mart.) Solms
Heteranthera reniformis R. & P. — P 29942
Pontederia lanceolata Nutt. — P 30311
P. rotundifolia L.

Potamogetonaceae

- Potamogeton lucens* L.
P. pectinatus L.
Ruppia maritima L.

Smilacaceae

- Smilax domingensis* Willd. — K 488
S. gentlei Lundell
S. lanceolata L.
S. lundellii Killip & Morton
S. mexicana Griseb. ex Kunth
S. mollis H. & B. — G 8492; Sp 1663; Sp 1878
S. munda Killip & Morton
S. ornata Lem.
S. spinosa Mill. — DEM 1913; G 8043
S. velutina Killip & Morton — D & L 12210; D & L 12275;
 H 436; P 29626; P 29765

Triuridaceae

- Sciaphila picta* Miers

Typhaceae

- Typha angustifolia* L.

Xyridaceae

- Xyris ambigua* Bey. ex Kunth — Sp 1627
X. caroliniana Walt. — H 172
X. jupicai L. Rich. — C 24021; DEM 32; D & P 10063;
 Sor 7091; Sor 7139
X. navicularis Griseb. — D 10407
X. smalliana Nash — C 24015; D 10410; D 11610; D 11068
X. subnavicularis Malme — H 199?
X. subulata R. & P. — Dieck 101

Zingiberaceae

- Alpinia speciosa* (Wendl.) Schum.
Costus congestus Rowlee — Sp 1966; Sp 2001
C. pulverulentus Presl — D & L 12098; G 7731; G 7850;
 G 7910; G 7919; G 8002; G 8115
C. cf. ruber Griseb. — Sp 1683; Sp 1911; Sp 1917
C. spicatus (Jacq.) Sw.
C. villosissimus Jacq. — DEM 185; Sp 1684
Hedychium coronarium Koenig — D 11193; G 8233
Renealmia aromatica (Aubl.) Griseb.
R. exaltata L.f. — D 9931; L & D 1458
R. mexicana Kl.

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