HUNTIA A Journal of Botanical History



Volume 5 Number 1 September 1983

Hunt Institute for Botanical Documentation Carnegie-Mellon University

Pittsburgh

Huntia is published irregularly, in one or more numbers per volume of approximately 200 pages, by the Hunt Institute for Botanical Documentation, Carnegie-Mellon University, Pittsburgh, PA 15213.

Editor Associate Editors Robert W. Kiger John V. Brindle Gavin D. R. Bridson

Assistant Editor

Donna M. Connelly

Subscription rate is \$25.00 per volume. Associates of Hunt Institute may elect to receive *Huntia* as a benefit of membership.

Editorial correspondence, manuscripts, and books for review should be addressed to Dr. Kiger at the Institute.

Orders from North America for subscriptions and back issues should be sent to the Institute; from elsewhere, to Wheldon & Wesley, Ltd., Lytton Lodge, Codicote, Hitchin, Herts. SG4 8TE England.

Typography by InfoComp, Inc., Pittsburgh

Graphics coordination by The Peter J. Waterkotte Co., Pittsburgh

Copyright ©1983 by Hunt Institute for Botanical Documentation All Rights Reserved

ISSN 0073-4071

Sodiro's publications on Araceae

Dan H. Nicolson

Introduction

LUIGI SODIRO published on 311 species and varieties of Ecuadorian Araceae in five publications. Each publication appeared in two editions (three in one case), a periodical and a separate edition. Sodiro's first aroid publication, "Diagnoses previas," was a key and, although overlooked by Index Kewensis and the Gray card index, is actually the place of first valid publication for many species of Anthurium. An analysis is given of all publications and editions, with names of taxa included, dates of publication, volumation, pagination and plates.

Sodiro used species numbers on his collections, not collection numbers, and in each publication (or edition) he changed species numbers. For those having access to Sodiro specimens and trying to determine which are types, an analysis is given of the species numbers assigned in his first two publica-

tions (two editions each).

Historical

Sodiro was born in Italy in 1836 and died in Quito, Ecuador on 14 May 1909. He studied botany and became a member of the Society of Jesus. He arrived in Quito in August 1870 and was appointed Professor of Botany at the Universidad Central and Director of its botanical garden. He is best known for his publications on the vegetation of Ecuador and on Pteridophyta, Tacsonia, Bomarea, Piperaceae and Araceae

(particularly Anthurium).

During his life in Ecuador he changed his name from the Italian form, Luigi, to the Spanish form, Luis. In one edition (Revista Chilena) of his "Suplemento I" his name appears as Aloiso. This is believed to be an editorial error. Initials sometimes appear with his name, i.e., "R. P. L. Sodiro S. J." This reads as "Rev. Padre Luis Sodiro, Societas Jesu," and simply expresses his position as a Jesuit priest.

Aroid Publications

Sodiro published five works on Araceae: "Diagnoses previas" (a key to Anthuria of Ecuador), "Anturios Ecuatorianos" (a monograph of Ecuadorian Anthuria), "Suplemento I" (to Anthurium), "Suplemento II" (to Anthurium), and "Aroideae" (in the Sertula fl. Ecuad.). Each of the five publications appeared first in a periodical and then as a separate, something few have realized. The separate editions were reset, keys were changed, a language (Spanish or Latin) was sometimes added or deleted, and species numbers were changed. Dating the editions had become critical. The later publications in the Anales de la Universidad Central de Ecuador are extremely rare, and this present work could not have been completed without the efforts of Simon Mayo (K), F. Latorre (Q), Thomas Croat (MO), and James Zarucchi (ECON), who obtained texts unavailable to me.

Specimens are often cited in Sodiro publications with some cryptic abbreviations, all of which indicate that he described the taxon from living materials: "D.s.e.v." = "Descripcion segundo ejemplar vivo" (description from a living specimen); "D.s.i.v." = "Descriptio specimina iuxta vivo" (description from a living specimen); "D.s.m.v." = "Descripcion segundo materiales vivo" (description from living materials).

Sodiro Types

Sodiro specimens are not easy to locate and there are more rumors than facts. The Smithsonian (US) received a few Sodiro duplicates on exchange from San Isidoro (Argentina) and there may be a set there (SI). Engler had many specimens but the Berlin holdings were lost in Second-World-War bombings. In 1966 Dr. Jorge Tinajero (Q) lent 166 Sodiro aroid specimens to me; unfortunately only 124 arrived. Study of these revealed another complexity: Sodiro did not use collection numbers but species numbers. Since he kept changing his species numbers it is useful to know what species numbers he used at various times for a given species.

Orthography

Sodiro, as a Jesuit, was well grounded in Church Latin but did not always follow botanical Latin conventions. For example, there is a strong botanical convention that species epithets are adjectival, but he occasionally used common (as opposed to proper) nouns, e.g. in Anthurium lingua. This is certainly not an error and I have maintained Sodiro's usage. Even more unusual (and contrary to even classical usage) was his occasional treatment of a compound

word as a noun, rather than an adjective, e.g. in A. albispatha. This also is not an error and I have maintained his usage. Sodiro's familiarity with Latin enabled him to use the correct forms of adjectives in the comparative degree, e.g., maius and elatius. In other cases his usage is contrary to the Code and corrections have been made:

1. Restore original spelling:

A. andraeanum Andre ('andreanum Linden') — Cf. Sheffer et al., Taxon 29: 502, 1980 for discussion of correct spelling and authorship.

A. balaoanum Engl. ('baloanum') — The original spelling, based on the locality,

Balao, stands.

2. Correct connecting vowel. In all these cases Article 73.8 provides that the *-ae-* be corrected to *-i-*:

A. hastifolium ('hastaefolium'); A. miconiifolium ('miconiaefolium'); A. pandurifolium ('panduraefolium').

3. Correct hyphenation:

A. flavolineatum ('flavo-lineatum'); A. fuscolineatum ('fusco-lineatum'); A. hieronymi var. ovaliellipticum ('ovali-ellipticum'); A. pellucidopunctatum ('pellucido-punctatum')

Under Article 73.9, added in the 1978 Code, a hyphen must be deleted from a specific or infraspecific epithet unless the word could stand alone. In my opinion, the Code is too generous in obliging us to maintain a hyphen after a cardinal number, such as in quinque-sulcatum, which can stand alone but almost never does. The same is true of adverbs, which can stand alone but almost never do. In this treatment I maintain original spellings involving cardinal numbers (quinque-sulcatum) and adverbs (angustelaminatum, latecordatum, latemarginatum, and longecaudatum).

4. Suppress diacritcal marks:

A. soederstroemii ('sôderstrômii/söderströmii') — This epithet appeared the first three times with a circumflex over each o and the last time with umlauts there. It is named for "Sr. L. Söderström, consul de S.M.B. en Quito, who lent the specimens described." I do not know what "S.M.B." means. The name is surely Swedish and umlauts are correct; therefore I assume that the use of the circumflexes was an error (printer's?) and that umlauts were intended by Sodiro. Under Article 73.6, an "ö" becomes "oe" in a Latin plant name.

5. Correct termination:

A. porteri ('porterii'); A. urbanii ('urbani') — Under Article 73.10, the termination -i is correct only after a vowel or "er".

Analyses of Sodiro's Publications on Araceae

In the following discussion I have used the numbers 1 to 5 to refer to each of the five publications by Sodiro on Araceae. Decimal suffixes, .1 to .3, are added to distinguish editions; thus, e.g., 1.1 = first edition of first publication, 3.3 = third edition of third publication.

1.1. Anturios Ecuatorianos: Diagnoses previas. *Anales Univ. Centr. Ecuador* 15 (no. 108): 1-18. Late Oct. 1901.

Dating: The Prologo is dated 2 Oct. 1901. In the same number (#108) of the periodical page 95 bears the date 30 October 1901. I assume that the title-page date, October 1901, is correct.

Notes: This is a periodical edition of the "Diagnoses." It is a dichotomous key in Spanish to "141" species of Ecuadorian *Anthuria*. Actually there are 142 species

since two species, A. pandurifolium and A. stuebelii, are assigned the same number (72). Ninety-nine are new. Publication of the new names is validated by the diagnostic key which, in my opinion, constitutes a diagnosis as defined in Article 32.2, "... a statement of that which in the opinion of the author distinguishes the taxon from others." The publication of A. lloense (no. 119 on p. 16) was overlooked by Index Kewensis. That work did note the publication of A. rigescens but Sodiro later treated it as A. pichinchae f. rigescens (Sod.) Sod., not as cited by Index Kewensis (A. pichinchae var. "rigidifolium").

Copy obtained from the Library of Congress.

1.2. Anturios Ecuatorianos: Diagnoses previas. Pp. 1-17 (illustration of *A. vexillare* on cover). Quito. Nov.(?) 1901.

Dating: This, like 1.1, carries the date 2 Oct. 1901, at the end of the Prologo (p.2). It was soon cited (*Bull. Torrey Bot. Club* 28: 699. Dec. 1901) but with errors (such as saying there are 174 species, not 141/142), and I wonder if it was acutally in hand. It was accurately described later (*Bull. Torrey Bot. Club* 29: 179. Mar. 1902). I assume it appeared shortly after the periodical edition and have arbitrarily assigned the months October and November to the two editions.

Notes: This is the separate edition of the "Diagnoses" and is reset (17 pp., not 18). Anthurium pandurifolium is numbered as "72*". An error appears on p. 8, line 11, "punteados" for "puntiagudos" (cf. errata on p. 17), which was correct in the periodical edition (1.1).

Copy supplied by Simon Mayo (K).

2.1. Anturios Ecuatorianos, Anales Univ. Centr. Ecuador 15-17. Jan. 1902-Mar. 1903.

Dating: Dates have been taken from the title pages of the numbers in which various parts of this paper appeared:

Text				
heading	Ser./Tomo	Number	Pages	Title date
Caract				
Gen.	15	111	291-306	Jan. 1902
Cont.	15	112	379-394	Feb. 1902
Cont.	15	113	457-472	Mar. 1902
Cont.	16	114	1-16	Apr. 1902
Cont.	16	115	89-108	May 1902
Cont.	16	116	189-204	Jun. 1902
Cont.	16	117	267-282	July 1902
Cont.	16	119	427-442	Sept. 1902
Cont.	17	120	1-16	Oct. 1902
Cont.	17	121	79-94	Nov. 1902
Cont.	17	122	155-170	Dec. 1902
Cont. +				
Adiciones	17	123	249-264	Jan. 1903
Cont. + Adie	c.			
+ Index	17	124	337-344	Feb. 1903
Prologo				
+ Key	17	125	441-472	Mar. 1903

Notes: This is the periodical edition of "Anturios Ecuatorianos." It features descriptions of taxa in both Latin and Spanish, Adiciones (eight new species), an index (17: 343-344), a new Prologo (17: 441-456) and a revised key (17: 457-472). One hundred and forty-one species numbers are used, as in the "Diagnoses," but former 72, Anthurium pandurifolium, is renumbered as 73, and subsequent numbers are one more than in the "Diagnoses" up to former 119, A. lloense (made a variety of A. scabrinerve). Former 81, A. chlorostachyum, is illegitimately renamed as A. malacophyllum. Former 130, A. rigescens, is made a forma of 129, A. pichinchae, and a new species, A. dendrobates, is inserted.

Copy obtained from the Library of Congress.

2.2. Anturios Ecuatorianos. Monografia II. Contribuciones al conocimiento de la flora Ecuatioriana. Pp. i-xxxii, 1-231, 1-7 (Adiciones), pls. 1-28. Quito. Nov. 1903.

Dating: The only dating information appears at the end of the Prologo (p. xviii), "26 Nov. 1903." This publication is clearly antedated by the periodical edition (2.1).

Notes: This is the separate edition of "Anturios Ecuatorianos." It clearly attempts to revise the periodical edition, but with many inconsistencies, particularly between the species numbers used in the key and those used in the text. The eight species of the former Adiciones have been numerically intercalated; e.g., the text now has 149 numbered species but the key has only 148 (the key repeats 143 twice). Other renumberings are incredibly casual, e.g., Anthurium citrifolium (4 in key, 9 in text), A. guayaquilense (5 in key, 4 in text), A. laciniosum (9 in key, 8 in text), etc. A former additional species, A. conterminum, has the same species number (46) as A. mindense.

On pp. 213-227 are Correciones y Adiciones, which include one new record and eight new species (not the same eight that appeared in the periodical edition). On pp. 229-231 is an Index, followed by another Adiciones on pp. 1-7, based on Rimbach collections, including five new species. These five new species (and one new variety) are not in the Index.

Copy at US, bound with Piperaceas Ecuatorianos. Monografia I.

3.1. Suplemento I Anturios Ecuatorianos. *Anales Univ. Centr. Ecuador* 19-20. Feb.-June 1905.

Dating: Dates have been taken from the title pages of the numbers in which the various parts appeared:

Species #	Ser./Tomo	Number	Pages	Date
1-22	19	136	265-296	Feb. 1905
23-46	19	137	307-338	Mar. 1905
47-67	20	138	1-32	Apr. 1905
67-71	20	139	91-98	May 1905
71-72	20	140	99-104	June 1905

Notes: This is the first of two periodical editions of "Suplemento I." Sodiro's name does not appear on any title page of this edition. Sixty-seven species are new; five are new records for Ecuador. The descriptions are in Latin and Spanish. There is an index on the last two pages of the last part.

Copy supplied by Thomas Croat (MO).

3.2. Suplemento I. Anturios Ecuatorianos. Monografia II. Contribuciones al conocimiento de la flora Ecuatoriana. Pp. I-III, [1-3], 4-100, [101-112], pls. A,I-X (III also on front cover). Quito. Late June 1905.

Dating: The cover page is dated June 1905; the Prologo is dated 15 June 1905. I assume that this appeared after the last number (140) of 3.1, the first periodical edition.

Notes: This is the separate edition of "Suplemento I." It represents a resetting of the first periodical edition with the following additions: a title page [p. 1], a synoptic key (Cuadro Synoptico) to the infrageneric taxa [p. 2], a Prologo [p. 3], and 11 plates. The index is identical except that the page references are changed and the plates are cited. Sodiro's given name appears as Luis. Copy at US.

3.3. [Suplemento I]. Anturios Ecuatorianos. *Revista Chilena Hist. Nat.* 9 (4-6). 30 Aug.-31 Dec. 1905.

Dating: dates have been taken from the title pages of the numbers in which the various parts appeared:

 Species
 Año
 Pages
 Plates
 Date

 1-25
 9
 4
 191-211
 18-20
 30 Aug. 1905

 26-61
 9
 5
 242-263
 —
 31 Oct. 1905

 62-72
 9
 6
 274-281
 22-29
 31 Dec. 1905

Notes: This is the second periodical edition of "Suplemento I," the third published edi-

tion. It is a resetting of 3.2, the separate edition, excluding the Spanish descriptions and the index. This edition has a few errors, presumed attributable to the editor: the title, when it appears, is "Anturios nuevos Ecuatorianos;" the author's name appears as "Aloiso" (not Luis); and Anthurium "pastasae" (not pastazae) and A. "fulvolineatum" (not flavolineatum). The work appears to be of only historical significance; there must be an interesting story behind its submission.

The text was found in the Smithsonian Central Library.

4.1. Suplemento II. Anturios Ecuatorianos. *Anales Univ. Centr. Ecuador* 22 (156): 20–39. [Oct. ?] 1906.

Dating: The copy received lacked the vital title page and the date could not be confirmed. In Dr. Francisco Latorre's cover letter he stated that it was published in 1906 and I accept that as the year. The month remains uncertain. From other title pages (supplied by James Zarucchi, ECON) Inote that #155 was dated September 1906 and a joint issue of #156/157 was dated Jan./Feb. 1908. It is evident that #156 (and #157) was issued between September 1906 and February 1908. It is also evident that during this period the periodical's regular schedule of one number per month was discontinued. In the absence of evidence to the contrary, I assume that #156 came out on schedule and appeared in October 1906. In any case, there is clear evidence that this edition antedated the separate edition.

Notes: This is the periodical edition of "Suplemento II." Twenty species are numbered. There are 18 new species and six new varieties. *Anthurium grande* Sod., non N.E. Br., is renamed *A. conspicuum* Sod.

4.2. Suplemento II. Anturios Ecuatorianos. Pp. 1-23 (incl. unnumbered title page, blank page and unnumbered index). Quito 1907.

Dating: The only date is 1907, appearing on the title page. The title page says "Extracto de Los "Anale" de la Universidad de Quito, no. 156," indicating that 4.1, the periodical edition, came out first.

Notes: This is the separate edition of "Suplemento II." The text proper (pp. 3-22) is identical with that of the periodical edition and it appears to be true reprint (with new pagination).

Copy supplied by Simon Mayo (K).

5.1. Aroideae. In Sertula florae Ecuadorensis. *Anales Univ. Centr. Ecuador* 22 (162): 257-278. May 1908.

Dating: Taken from the title page, which appears on p. 257.

Notes: This is the periodical edition of "Aroideae." It includes "Suppl. III" of

Anthurium (eight new species and one new variety), and treatments of three other genera: Stenospermation (nine new species), Rhodospatha (five new species) and Heteropsis (one new species). An index to all taxa in the "Sertula" (not just aroids) appears on two unumbered pages following p. 278.

Copy supplied by Dr. F. Latorre A. (Q).

5.2. Aroideae. In *Sertula flora Ecuadorensis*. Pp. 61-82. Quito. June 1908.

Dating: Taken from the title page.

Notes: This is the separate edition of "Aroideae." So far as I can tell this text is identical to that of 5.1, the periodical edition, except that the page breaks and the pagination have been changed.

Copy at US.

Department of Botany, NHB #166 Smithsonian Institution Washington, DC 20560

Appendix 1. Aroid Taxa Discussed in Publications by Sodiro. Note: Read, e.g., #91;16:276 as "species number 91; volume 16: page 276."

																							1	VI	LU	130	111		30	ш	10	3	Pu		111		UII					5	
5.7	America	Alona.	(sep.)	Contract of	8061/9	1	1	12	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	f)	1	1	f.	1	1	ľ	1	1	65		1	I	1	
ir	V	Arold.	Anales	(201)22	5/1908	I	1	0.10	/67	1	1	Ī	Ī	1	1	1	1	1	1	1	1	I	1	1	1			1	1	1	١	1	1	1	I	1	1	263	1	1		1	
4.3		2-idne	(Sep.)		5/1907	1	1		1	1	1	1	7	1	1	10	1	1		1		1	4	4		2 14	2		1	1	1	15	Ţ	9	1	1	1	1	1		1	1	1.2
4.1		2.idnc	Anales	(001)77	90/201	1	1		1	1	1	1	24	1	1	22	1	1	1	1		1	16	21	300	000	07		Ţ	1	1	32	1	23		1	1	I	1	1	1	1	200
1 2	2.5	Supl. 1	Revista	,	8-12/05 10?/06	256			1	1	203	204	1	251	261	1	252	1	1	1		243	1					6	1	1	I	1	1	1	1	255	1	1	1	195	277	Ĵ	
3.3	2.5	Supl. 1	(Scp.)		6/1905	99	100		İ	1	23	24	1	54	79	1	57	1	-	1		39	1					ļ	1	1	Į.	1	1	1	1	64	1	1	1	7	06	1	
3 1		Supl. I	Anales	07-61	2-6/05	9.00	000000		1	1	19:286	19:287	1	19:330	20:19	1	19:333	1	1	1		19:314		ij			1	1	1	1	1		1	I	Ī	20:4	I	Ĭ	1	19:270	20:31+91	1	
	7.7	Antur.	(Scp.)		11/1903	#96-128	#10.03	410,00	1	#75*;219	1	1	1	1	1	1	1	#15*-215	A15.7 + 21.4	#08-130	465.100	#15-18+214				1	I when he was to	#11;14+214,t.2	#71;90,t.12	91	#44:51	1	#26;68	1	Adic. p. 6	I	#97:129	1	#77:99	I	1	#85*:222	The second secon
	7.1	Antur.	Anales	15-17	1/02-3/03	976-91-10#	417.15.303	#1/:10:007	1		ľ	ĵ	1	1	1	1	1	I	700.31.3#	#03.16.279	# 73,10,278	#81;16:200	417,177,17	1	1]			#69;16:104	16:105	#42;15:469	1	#54;16:12	I	1	1	#92:16:277	1	#75:16:192	1	1	1	
	1.2	Diagn.	(Sep.)		11/1901	#00.13	11107#	#://#	1	1	1	1	١			1	1	1	712.3	45,5	#72,12	#80;11	110,1	1	1	ľ	1	#11:4	#69;10		#42:7	1	#54:8	1	1	Ī	#91:12		#74:10		J		
18.00	1.1	Diagn.	Anales	15(108)	10/1901	#O01.13	21.07.11	C:/I#	1	I	I	1	1		1					#0,4	#92;13	#80;12	4.13,3	1	1	I	1	#11;5	#69;11	I	#42:8	Ī	#54:9	Î	1	I	#91-13		474.12				
	Entry no. in text	Abbreviated title	Abbrev, per, title	Periodical vol. (no.)	Month/year		Anthurium acrobates 30d.	. acutissimum Engl.	var. maius Sod.	adsimile Sod	pos estendos o	to ago dautharonaron Sod	Missella Cod										A. angustelammatum Engl.	var. albidum Sod.	var. brevipes Sod.	var. crassum Sod.	var. gladiatum Sod.	A. annulatum Sod.	 A. argyrostachyum Sod. 		A. aristatum Sod.				A auritum Sod		ė.		A brachanodum Sod		A become Sed.	A. Differenti Sou.	7. priosianum sod.
	田	K	K	ď	\geq		<	<		V	. 4	-	<	< <	< <	< <	< <	< <	K.	ć.	<	ď.	<					V	K		K	<	. <	. 4	. 4	. 4	. 4	₹ 4	< <	. <	. <	4 4	4

HUNTIA	5(1)	1983
	- (-)	1000

1	ĵ	Ĺ	Î	1	Ĺ	1	64	1	ĺ			I		I	I	1	ł	İ	1	1	1	1	1	f	1	1	1	1	1	1 1	1	I	1	1	1	1	-1	1	1	1	1	1	
1	1	ţ	Ţ	1	1	1	261	1	1		1	1		1	1	1	1	1	1	1	1	Ţ	1	1	1	1	Į.	I	l		1	J	ĵ	1	I	L	1	1	Ī	I	1	1	
1	1	1	1	I	1	1	1	1	Ī		1	1	Ţ	1	1	22	1	17	Ţ	1	1	1	1	Ü	Î	1	ĺ	Í	I			I	1	1	1	ţ	1	10	1	1	1	1	
Ĩ	1	1	Ţ	Ţ	1	I	1	J	Ī	j	I	I	1	1	I	39	1	34	1	1	1	1	1	E	ţ	1	1	l	1	1	1	1	1	I	1	I	1	27	1	1	1	1	
I	1	1	249	161	230,1.20	242	1	211	251	1	1	1	1	į	1	1	1	ļ	1	j	I	1	202	198	207	1	1	1 22	707	1	1	278,t.28	250	1	1	I	I	1	1	253,t.24	Ī	276	000
I	1	13	15	70.02	10,07	43	1	34	26	1	1	1	1	1	1	1	1	Ţ	1	1	1	1	21	14	28	1	1	100	00	I	1	92,t.9	54	Ī	1		ŧ	1	1	61,t.5	1	68	
1	1	1 5	19:32/	19:2/4	10.210	19:518	1	19:309	19:332	1	1	Ţ	1	1	1	Ĩ	1	I	I	I	1	I	19:284	19:277	19:291	1	1	10.00	12:02	1	1	20:92	19:329	1	Ţ	1	1	1	I	19:337	1	20:30	40.000
#112;152	153	#117;160	1	1		1	I	1	J	(111)	#9;11	214	#68;86	#140;198	#91;121	Ī	#46*;67	1	#110*;223	#66;82	#61;76	#130;182	1	1	1	#73;93,t.13	#13/:192,t.24	#0',04,t.11	#145-207	#129:180	#82;104,t.16	1	#81;104,t.15	#8:10	#53;62,t.7	#102;136	#50;59	1	#123;169	I	#62;77,t.10	1	
#107:17:2	17:3	#112;17:9	1						1	(16:202)	#9;15:300	1	#66;16:100	#133;17:164	#87;16:272	I	#46*;17:259	1	t	#64;16:97	#59;16:91	#123;17:89	1	1	1	#71;16:106	#130;17:159	£03,10.4	#138:17:251	#122*:17:341	#80;16:198	1	#79;16:197	#7;15:299	#51;16:8	#97;16:429	#48;16:5	I	#117*;17:339	1	#60;16:92	Ĩ.	
#106;13	1:	#111;14	I				1	ĵ	1	#81;11	#6:4	1	#66;10	#133;16	#86;11	Ĺ	Ĩ	ĵ	1	#64.9	#26.6	#123;15	1	1	1 :	#71:10	1,65.0	C'CO#	#138:17		#79;11	1	#78;11	#7;3	#51;8	#96;12	#48:7	l	1	1	6:09#	1	1
#106;15	1 :	#111:15			J		1	[l	#81;12	49:5	1	#66;11	#133;17	#86;13	1	Î	1	1	#64;11	#59;10	#123;17	Ī.	I	1 :	#/1;11	#65.11	11.00#	#138:18	. 1	#79;12	1	#78;12	#7:4	#21;6	#96;14	#48:9	ſ	1	1	#60;10	1	1
buganum Engl.	· var. acutangulum Engl.	bullosum Sod	cachahianim Sod	camposii Sod.	canaliculatum Sod	candolleanum Sod	combonehismen Co.d.	chlorocarmim Sod	chlorostachyum Sod.	(cf. malacophyllum)	citrifolium Sod.	var. verruculosum Sod.	clathratum Sod.	cochliodes Sod	coerulescens Engl.	conspicuum Sod.	conterminum Sod.	cordiforme Sod.	cordulatum Sod.	corrugatum Sod.	crebrinerve Sod.	cuencanum Sod.	cultrifolium Sod.	curvatum Sod.	cuspidirerum sod.	dandrobates Sod.	dictyonbyllum Sod	discolor Sod.	divaricatum Sod.	dolichophyllum Sod.	dolichostachyum Sod.	draconopterum Sod.	ecuadorense Engl.	eggersu Engl.	elatius Sod.	elegantulum Sod.	engleri Sod.	erectum Sod.	erythrocarpum Sod.	esmeraldense Sod.	exstipulatum Sod.	falcatum Sod.	fasciale Sod.
pnga	1	2	, ,	0	U	, ,	, ,	2	, ,		0		9	~											9 1	0					73		53				di .		6.5				

																													N	lice	ols	on	:	Sa	di	ro	SI	ои	bl	ica	ti	on	5				11		
			l	1	1	1	1	1	ľ	1	1		ĺ	1		1	1 4	CO	1	1	1		1	I	Î	Ţ	Ĺ	Ì	1	Ţ	I	1	1	Ţ	l	1	1	1	1	1	1	1	1	1		1	1	1	
		l.	l	1	1	Î	ļ	١	1	1	1		١	1	1	1	1 %	707	1	l	١	1	1	1	Ĭ	1	1	1		Ī	1	1		I	-	I	I	Ĭ	1	Ī	Ī	1	Î	j		1		1	
			ĺ	Ţ	19	ĵ	Ì	ĺ	Ĭ	I	1	100/	(77)	1	1	1	ĺ	1 ;	20	21	1	1	1	I	I	1	Ĭ	Ī	11	1	1	1	1	1	1	1	1	1	1	I	1	1	1	1	İ	ľ	I		
	1	1	1	1	36	Ţ	1	ţ	t	1	1	100/	(60)	1	ſ	1	1		37	38	Į	Ĩ	Ē	Į	Ĵ	1	Ĭ	1	28	1	1	1	1	1	1	1	1	1	1	1	1	I	1		I	ſ	1	١	
		1 !	195	263	1	1	1	208	254	203	1	1 10	2/2	15	243	1	1	l	1	1	1	244	1	207	254	1	ţ	1	1	199		-	ļ	1	1	I	1	Ī	1	260	260	245 1.23	040	1	1	Ĭ,	1		1
		Ĩ	9	82	Ī	Ĩ	1	31	63	22		1 20	92	100	38	ľ	1	1	1	1	1	40	1	29	63	1	1	1	1	17	j	1	1	1	1	1	1		1	75	92	47 4	36	3		Ī	1		ĺ
		1	19:568	20:7	Ĭ	į	Ţ	19:295	20:2	19-285	00000	1 0	20:27	1 5	19:313	E	1	I	L	I	Ĩ	19:315	I	19:293	20:1	Ī	ĵ	1	1	19:280	1	İ	1	1	1	1	1	1	1	20:14	20:16	10-317	10.311	116.71	t	1			1
	/4:14#	#145,205	1	I.	1	Adic. p.2	#122:168	1	1		#30.35	#30,33	1	#141;199,t.25-6	1	#4:0	#76:97	1	L	1	#40:46	I	#65:79		#89;116	117	#148:211	#10:13	1	1	#8.10	#93:123.1.18	Adic n 5	#116-158	#78:100	#125*-226	#17:21,t.3	#32:37	#77*:221	1	1			1 000	#92;122	#104;139,t.21	(170)	(1/1)	CO1,08#
	#40;15:466	#135;17:168	1	1	1	1	#117-17-79				#70.15.303	#29;15:393	1	#134;17:166	1	#4;15:296	#74;16:191	1	1	1	#39:15:465		96-91-69#		#85:16:268	16:269	#141-17-255	#10-15-301			#8.15.300	#88-16-273	100,100,1	411117.0	476.16.104	#/0,101,174	#16*-17-256	331:15:458	١	1	1		1		#84*;17:337	#99;16:432	147,000	(00:/1)	#78;16:196
77.77	#40:7	135;16	1	1	1	-	#116-14				2.00%	4.29,5	1	#134;16	1	#4;3	#73;10	-	Î	1	9.65#	Die Car	0.09#	Company II	#84-11	1	#141-17	#10.4	1.10,1		40.2	C1.78#	#01,12	1110111	#110,14	#/3;11	١	9.18#	1			1	1	ļ	1	#98:13		#119;15	#77;11
100 May 100 Ma	#40;8	#135;18	Ī	1	1	١	#116.16	01,011.			1000	#29:7		#134;17	I	#4:4	#73;12	ĺ	1	ı	#30.7	1,104	463.10	405,10	#84.13	Critor	#141.18	#10.5	C'01#	1	107	#8,0	#01,13	1 :	#110;13	71:0/#	1 1	#31-7	11011			1	1.	1	j	#98;14		#119;16	#77;12
	fraseri Engl.	furcatum Sod.	fisconimeration Sod	gaffirrii Sod	gamdogari Sod	gamogen you.	generatum Sou.	giganteum Engl.	girgii sou.	glaucopnynum 30d.	gracile (Rudge) Engl.	gracilescens Sod.	grande Sod. (=conspicuum)	gauleanum Engl.	guallupense Sod.	gravaonilense Engl.	hastifolium Sod.	hereroclitum Sod	hickenii Sod	mekenn sou.	var. Ictopinyiiuiii 30u.	nieronymi Engl.	var. ovanempucum sou.	hylaeum Sod.	hylophilum Sod.	incurvatum Engi.	var. clatius sou.	insigne Masters	interruptum Sod.	. jamesonii Sod.	. julospadix Sod.	laciniosum Sod.	. lancea Sod.	var, canarense Sod.	. latecordatum Sod.	latemarginatum Sod.	. latifolium 30d.	Leoniahum sod.	repturum sou.	. reucostacnyum sod.	leveillet sod.	. Incolatum Sod.	. lingua Sod.	litanum Sod.	livescens Sod	lividispica Sod.	Iloense Sod. (=scabrinerve var.	lloense)	Iongecaudatum Sod.

2222222222222222 2 222 22222 22222

			1	1	1	1		j	ľ	1	Ì	I	I	1	I	1	1	Į	Î	1	1	Ĩ	1	Į	1		I		1	1	19	63	63	63	1	1	1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1		1	I	1	ļ	ţ	I	1	1	1	1	1	1	1	1	1	1	I	1	1	1	I	I	1	258	259	260	260	1	1	1	1	1	1	1	1	1	1	1	I
		1	1	1	1	1		1	ľ	1	1	ĺ	I	1	1	1	1	1	1	1	6	1	1	1	1	1	ľ	12	1	1	I	1	1	1	1	1	1	ĵ	Ţ	Ĩ	1	ĵ	Ĩ	ĺ	j	Ĭ
1		1	I	I	1	İ		J	ĺ	I	ĵ	-	Į	1	ĵ	J	1	ĺ	1	1	26	Ī	1	ĺ	ĺ	Ì	1	29	Ţ	I	Ī	Į		I	1	1	ŀ	1	1	1	1	j	İ	1	1	ţ
ĺ		-	259	246		ľ				280	202	1	279		208		1	1	1	196	244	1	247		1	258	1	1	1	244	1	1	1	1	1	1	1	1	1	1	1		1	1	247	278,t.29
ļ	1	1	73	4	1	1		1	1	46	19	1	95	1	30	1	1	1	1	6	39	1	46	1	1	72	1	1	1	40	1	1	1	1	1	1	1	1	1	Į,	j	1	1	1	84	93,t.10
ı	J	1	20:13	19:319	1	1.		1	1	20:97	19:282	1	20:96	1	19:294	1	1	1	1	19:271	#19:315	1	19:321	1	1	20:11	1	I	I	19:315	I	Ī	Ì	Į	Î		[1	I	I	1	1	1	1	19:323	20:94
#12.15	#135-180	#100:133	1	1	#108;146	#26;30,t.4	407.111	#80;111	#1;2,t.1	1	1	#84;107	Î	#109;148	1	#52;61	#139;196	#46;53,t.5	#121;166	1	#34;40	#19:24	I	#37;43	#95;127	1	#48;56	I	#39,45	1	I	Ī	1	I	#110;150	#106;143	#60;74,t.9	#59;72+216	#16;20	#55;65	#24;28	#13;16	#75:95,t.14	#51:60	. 1	1
#12.15.304	#128-17-156	#95:16:281	-	I	#103;16:438	#25;15:388	100.31.00#	#82;16:201	#1;15:292	I	I	#80*;17:261	I	#104;16:439	ĺ	#50;16:7	#132;17:163	#44;15:470	#116;17:14	1	#33;15:460	#18;15:382		#36;15:462	#90;16:275	1	#46;16:2	1	#38;15:464		Ŋ	İ	1	1	#105;16:441	#101;16:435	#58;16:90	#57;16:15	#16;15:381	#53;16:10	#23;15:387	#13;15:304	#73;16:190	#49:16:6	J	1
#12.4	#128.16	#94:12	1	I	#102;13	#25;5		1 4 7	#1;3	1	1	1	I	#103;13	1	#50;8	#132;16	#44:7	#115;14	I	#33;6	#18;4	Î	#36;6	#89;12	1	#46;7	ľ	#38;6	1	J	I	Ĵ	1	#104;13	#100;13	#58;8	#57;8	#16;4	#53;8	#23;5	#13;4	#72;10	#49:8	1	1
#12.5	#128.17	#94:13	1	1	#102;14	#25;6		1	4:1#		1	1	I	#103;14	1	#20:3	#132;17	#44;8	#115;16	1	#33;7	#18;6	1	#36;7	#89;13	١	446.9	Ì	#38:7	1	1	I	Ì	1	#104;15	#100;14	#58;9	#57:9	#16;5	#53;9	#23;6	#13;5	#72;11	#49.9	I	1
lorifolium Sod.	lunatum Sod.	luteolum Sod.	macrolonchium Sod.	macrostachyum Sod.	macrourum Sod.	maculosum Sod.	malacophyllum Sod.	(= cmorostacnyum)	margaricarpum Sod.	marginatum Sod.	marginellum Sod.	marmoratum Sod.	martinezii Sod.	masfense Sod.	membranaceum Sod.	miconiifolium Sod.	micromystrium Sod.	mindense Sod.	mineatum Sod.	myosurus Sod.	nanegalense Sod.	napaeum Engl.	navasii Sod.	nemorale Sod.	nicolasianum Engl.	nitens Sod.	oblongifolium Sod.	occidentale Sod.	ochreatum Sod.	var. membranaceum Sod.	ophites Sod.	oreodoxum Sod.	var. cupreum Sod.	var. stipitatum Sod.	oreophilum Sod.	orientale Sod.	ovatifolium Sod.	ovatum Sod.	oxyphyllum Sod.	pachyphyllum Sod.	pallatangense Engl.	pallidiflorum Engl.	pandurifolium Sod.	pangoanum Sod.	parambae Sod.	pastazae Sod.
A.	Y	Y	ζ.	K	Ÿ.	Α.	Y	٧	ċ.	K	Ą.	Ÿ.	Y.	Y	Ÿ.	Y.	Y.	ď.	Ÿ.	Ą.	Y.	Ÿ.	Ÿ.	Ÿ.	Ÿ.	Ÿ.	Y.	ď.	Ÿ.		Ÿ.	Y.			Y.	Y.	Y.	Ā.	Ÿ.	Y.	Y.	A.	Y.	A.	A.	Α.

Nicolson:	Sodiro's publications

#95;14 #95;12 #96;10;427 #101;134																											2.27																		
#995,14 #995,12 #96,16,427 #101;134 #20,6 #20,5 #20,15,384 #21,25 #10,273 10 196 11 192,273 11 192	1	Ē	1	1	Ĩ	ĺ	1	l	ĺ	1	ĺ	I	1	T	1	Ī	1	ľ	1	1	l	1	1	1	ţ	1	Ţ	1	1	62	I	1	1	I	1	1	1		١		1		1	1	l
#25;14 #25;12 #26;10:427 #10;134 #20;6 #20;5 #20;15:384 #10;273 11 197 19:270 11 190 19:270 11 190 19:270 11 190 19:270 11 190 19:270 11 190 19:270 11 190 19:270 11 190 19:270 11 190 19:270 11 190 19:270 11 190 #10;17 #10;17;249 #10;17;249 #10;17;249 #10;17 #10;17;249 #10;17;249 #10;17 #10;17 #10;17;249 #23;29 #10;17 #10;17 #10;17;249 #23;39 #10;17 #10;17 #10;17;249 #23;39 #10;17 #10;17 #10;17;249 #23;39 #10;17 #10;17 #10;17;249 #20;19 #10;17 #10;17 #10;17;249 #20;19 #10;17 #10;17 #10;17;249 #20;19 #10;17 #10;17 #10;17;19 #10;17 #10;17 #10;17;19 #10;17 #10;17 #10;17;19 #10;17 #10;17 #10;17;19 #10;17 #10;17 #10;17;19 #10;17 #10;17 #10;17;19 #10;17 #10;17 #10;17;19 #10;17 #10;17 #10;17;19 #10;17 #10;17 #10;17;19 #10;17 #10;17 #10;17;19 #10;17 #10;17 #10;17;19 #10;17 #10;17 #10;17;19 #10;17 #10;17 #10;17;19 #10;17 #10;17 #10;17;19 #10;17 #10;10;10 #10;17 #10;10 #10;10 #10;10 #10;10 #10;10 #10;10 #10;10 #10;10 #10;10 #10;10 #10;10 #10;10 #10;10 #10;10 #10;10 #10;10 #10;1	1.1	Ţ	1	1	ij	1	1	Ī	1	j	Ī	1	1	ľ	Ī	Î	1	Ĩ	1	1	Î	1	1	1	ĺ		1	1	1	258	1	1	Ĩ	1	1	I	I	1	1		1	ĺ	1	I	
#95;14 #95;12 #96;10;427 #10;1534 #20;6 #20;5 #20;15:384 #21;25 #10;1534 #20;6 #20;5 #20;15:384 #21;25 #10;153 #109;18 #109;17 #109;17;28 #136;190	1 4	1	1	1	1	1	1	1	1	1	t	1	1	1	21	16	1	l	1	1	f	1	1	1	1	1	1		Ī	Į	į	1	Î	00	1	ĺ	Ĩ	1		I	1	Ţ	1 -	4	1
#95;14 #95;12 #96;10;427 #101;134	31	l	1	Ţ	Ī	I	1	Ĩ	1	1	I	1	1	1	38	33	1	1	1	1	1	1	1	ĺ	ı	1	I	1	1	1	1	ţ	1	25	1	I	1	1			1	1	7	71	Ī
#95;14 #95;12 #96;16;427 #101;134 #20;6 # 20;5 # 20;15;384 #21;25 #102;17 #109;17 #129;16 #129;17:158 #136;190 #139;18 #139;17 #139;17:22 #147;208;27 #139;18 #139;17 #139;17:22 #147;208;27 #139;18 #139;17 #139;17:22 #147;208;27 #24,6 #24,5 #24;15;388 #25;29 #32;7 #32;6 #32;15;459 #135;19 #32;7 #32;6 #32;15;459 #33;39 #32;7 #32;6 #32;15;459 #33;39 #33;3 #107;15 #125;17 #13;13 #13;14 #4125;17 #125;15 #126;17:29 #132;184 #54;10 #68;10 #68;16:103 #70;89+216 #54;10 #68;10 #68;16:103 #70;89+216 #54;10 #14;14 #15;17:13 #120;164 #55;2 #32;16 #13;17:161 #138;194 #75;17 #13;17 #13;17:161 #138;194 #75;18 #13;17 #13;17:161 #13;17:161 #125;17 #131;17 #131;17 #113;17:161 #13;17 #131;17 #113;17 #113;17 #113;17 #131;17 #113;17 #113;17 #113;17 #131;17 #113;17 #113;17 #113;17 #131;17 #113;17 #113;17 #113;17 #131;17 #113;17 #113;17 #113;17 #131;17 #131;17 #131;17 #131;17 #131;17 #131;17 #131;17 #131;17 #131;17 #131;17 #131;17 #131;17 #131;17 #131;17 #131;17 #131;17 #131;17 #131;17 #131;17 #131;17 #131;17 #131;17 #131;17 #131;17 #132;13 #132;14 #132;14 #132;15 #132;15 #132;14	1 1	196	197	206	244, t. 22	1	1	1	1	261	198	-		Ī	Ī	Ī		248	1 :	210,t.20	Ĭ	1	1 ;	248	1	1	256	1	1	1	194	1	1	1	l	211	1	١		1	1	I	1	1	251
#20;14 #95;12 #96;16:427 #101;134 #20;5 #20;5 #20;15:384 #21;25 #129;17 #129;16 #129;17:158 #136;190 #139;18 #139;17 #139;17:23 #147;208;127 #139;18 #139;17 #139;17:249 #145;205 #24;6 #24;5 #24;15:388 #25;29 #32;7 #32;6 #32;15:459 #33;39 #32;7 #32;6 #32;15:459 #33;39 #32;7 #32;6 #32;15:459 #33;39 #32;7 #25;17 #107;13 #108;17:3 #113;153 #40;14 #99;14 #99;13 #100;16:433 #81;113;13 #40;17 #125;15 #125;17:91 #132;184 #66;1 #68;10 #68;16:103 #70;89+216 #47;9 #47;7 #47;16:3 #49;57;16 #34;7 #130;16 #113;17:161 #138;194 #34;7 #130;16 #131;17:161 #138;194 #131;17 #131;16 #131;17:161 #138;194 #131;17 #118;16 #118;15 #119;1782 #125;173	1 1	10	11	27	40,t.3	1	I	Ī	1	77	13	1	1	Į.	1	1	I	20	1	33,t.2	1	1	3	49	I	ļ	13	5	1	Ī	4	1	1	1	1	35	1	1		1	Ī	1	1		26
#95,14 #95,12 #96,16,427 # #108,13 #109,175 # #108,13 #109,175 # #129,17 #129,16 #129,17,158 # #129,17 #129,16 #129,17,158 # #139,18 #139,17 #139,17,252 #147; #139,18 #137,17 #137,17,249 # #24,6 #24,5 #24,15,388 #32,7 #32,6 #32,15,459 # #24,6 #24,5 #24,15,388 #32,7 #32,15 #100,16,433 # #125,17 #125,17 #125,17 #137,17,249 # #125,17 #125,17 #126,17,23 #87, #125,17 #125,15 #126,17,93 # #47,9 #47,7 #47,16,3 # #447,9 #47,7 #47,16,3 # #52,9 #52,8 #52,16,9 # #131,17 #118,16 #118,17,161 # #118,16 #118,15 #119,17,82 # #118,16 #118,15 #119,17,82 #	11	19:273	19:273	19:290	19:316	1	Ī	ĺ	1	20:17	19:276	1	1	Ī	1	1	1	19:325	1	19:307	١	1	1	19:324	1	l	9.06	0.03	1	1	19:267	į	1	1	1	19:310	1			I	I	Ì	Ī	Ī	19:331
#95;14 #95;12 # #20;6 #20;5 # #108;15 #108;13 # #129;17 #129;16 # #139;18 #139;17 # #137;18 #137;17 # #32;7 #32;6 # #92;14 #99;13 # #92;14 #99;13 # #47;7 #125;15 #125;15 # #47;9 #47;7 #130;16 # #130;17 #130;16 # #131;17 #130;16 # #118;16 #118;15 #	#101;134	l	1	1	1	#21;25	#114;155	#136;190	161	1	1	#147;208,t.27	209	#145;205	1	1	#25;29	1	#33;39	1	#113;153	#87;113,t.17	Adic. p.5	1	#105;141	#133;185	#132,104	470.80±316	6-9#	- 1	1	#49;57,t.6	#120;164		#35;41	1	#54;64,t.8		1010011	#158;194	#2*;213	#142;202	#125;173	I	#79:101
#95;14 #120;6 #120;6 #120;6 #120;17 #137;18 #137;18 #32;7 #107;15 #82;12 #82;12 #82;12 #82;12 #82;12 #82;17 #14;16 #34;7 #130;17 #130;17 #130;17 #131;17 #131;17 #131;17	#96;16:427	1		1	1	#20;15:384	#109;17:5	#129;17:158	17:158	Ĩ	Ī	#139:17:252	17:253	#137;17:249	1	1	#24;15:388	1	#32;15:459	1	#108;17:3	#83;16:203	1	I	#100;16:433	#126;17:92	#172;17:31	#69.16.103	#6.15.298	1	1	#47:16:3	#115:17:13	1	#34:15:461	1	#52;16:9		1	#131;17:161	1	1	#119;17:82	1	#77-16:195
*	#95;12	ĵ	1	1	1	#20;5	#108;13	#129;16	1	1	1	#139:17	1	#137;17	1	1	#24;5	1	#32;6	1	#107;13	#82;11	1	1	#99;13	#125;15	#12/;15	400.10	#60;10	C'O.	1	#47:7	#114:14		#34:6	:	#52;8	24.0000	#150;16	#131:16	Î	1	#118;15	Î	#76.11
Sod. Sod. Sod. Sod. Sod. Sod. Sod. Sod.	#95;14	1	1	ĵ	1	#20;6	#108;15	#129:17	1	1	1	#139:18		#137:18		1	#24:6	1	#32;7	1	#107;15	#82;12	1	1	#99;14	#125;17	#12/;1/	11071	#68;11	1.0.4	1	447.9	#114:16		#34.7	::	#52;9		#130;17	#131;17	I	1	#118;16	1	#76.12
patulum Sod. patucinerve Sod. var. intermedium Sod. peltigerum Sod. peltigerum Sod. peltigerum Sod. peltigerum Sod. pirottae Sod. plantagineum Sod. plantagineum Sod. plantagineum Sod. plantagineum Sod. platylobum Sod. platylobum Sod. polyphlebium Sod. polyphlebium Sod. polyphlebium Sod. polyphlebium Sod. polypterum Sod. porteri Sod. precerum Schott porteri Sod. precerum Sod. prepinquum Sod. prepinquum Sod. prepinquum Sod. prepinquum Sod. prepinquum Sod. prepinquum Sod. prepinquum Sod. prepinquum Sod. prepinquum Sod. prepinquum Sod. pullahuae Sod. pullahuae Sod. pullahuae Sod. pullahuae Sod. resectum Sod. resectum Sod. resectum Sod. resectum Sod. resectum Sod. resectum Sod. resectum Sod. resectum Sod. resectum Sod. resectum Sod. resectum Sod. rigidulum Sod. rigidulum Sod. rigidifolium Engl. rigidulum Sod. rigidifolium Engl. rigidulum Sod. rigidifolium Engl. rigidilum Sod.	ım Sod. nerve Sod.	duculare Sod.	rar. intermedium Sod.	lucidopunctatum Sod.	tigerum Sod.	ripense Engl.	llodendroides Sod.	rhinchae Engl.	f. rigescens (Sod.) Sod.	rottae Sod.	nitaginelli Sod	arvolossum Sod.	var. nanegalense Sod.	atylobum Sod.	urisulcatum Sod.	olyneuron Sod.	olvehlebium Sod.	olystictum Sod.	orrectum Schott	orteri Sod.	raealtum Sod.	procerum Sod.	ropinguum Sod.	psilostachyum Sod.	psilurum Sod.	puelanum Sod.	alchrum Engl.	ılulahuae Sod.	alverulentum Sod.	inctatum Engi.	inguis sulcerum Sod	nitance Sod	diamin Sod	seertum Sod	trienm Sod	sizonhorum Sod	rhodostachyum Sod.	rigescens Sod. (=pichin-	chae f. rigescens)	rigidifolium Engl.	rigidulum Sod.	rimbachii Sod.	riofrioi Sod.	iracavanum Sod.	rimitare Cod
n in the control of t	patuh pauci	pen	1	pe	pel	pei	유	Ď,		- 5	17	17	7	G	10	, č	4 0	0	- Ω	φ.	- 0	. 0	- 0	Ω,	, ä	d	ď	ď.	ď,	ā, i	0, 0	2, 9	7	2 2	- 1	- 1	7			. [E	E	.E	-	

253 249 240 247 247 257 258 258 258 258 258 259 259 250 250 250 250 250 250 250 250 250 250	
59 253 249 253 3 194 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	1111
19:335 19:335 19:328 19:365 20:28 19:315	1111
#71*,218 #94,125 #42,48 #128,178,1,23 #107,144 #107,144 #107,144 #13,77 #23,37 #23,37 #23,37 #23,37 #23,37 #23,37 #24,187 #29,34 #134,187 #29,34 #124,17 #38,44 #124,17 #38,44 #124,17 #38,44 #124,17 #38,44 #124,17 #38,44 #124,17 #38,44 #124,17 #38,44 #124,17 #38,44 #124,17 #38,44 #124,17 #38,44 #124,17 #38,44 #124,17 #38,44 #124,17 #38,44 #124,17 #38,44 #124,17 #38,44 #124,17 #38,44 #124,17 #38,44 #124,17 #124,17 #124,17 #124,17 #124,17 #124,17	Adic. p.3 #20,24 #36,42 #22,26
#89;16;274 #41;15;467 15;468 15;468 15;468 #2;15;294 15;294 15;294 #102;16;436 #22;15;386 #52;16;39 #22;15;391 #127;17;94 #28;15;392 #30;15;394 #18;17;81 #37;15;40 #37;15;40 #37;15;40 #37;15;40 #37;15;40 #37;15;40 #37;15;40 #37;15;40 #18;17;81 #37;15;40 #37;16;10 #37;10 #37;1	###
#88:12 #41;7 #121;15 #2;3 #22;5 #22;5 #22;5 #30;6 #17;15 #30;6 #17;15 #30;6 #17;15 #30;6 #17;15 #30;6 #17;15 #30;6 #17;15 #30;6 #43;7 #44;7 #44;	#19;2 #35;6 #21:5
#88;13 #41;8 #121;16 #2;4 #101;14 #61;10 #22;6 #55;9 #22;6 #30;7 #30;7 #30;7 #30;7 #30;7 #30;7 #30;7 #30;7 #30;7 #30;7 #30;7 #30;7 #30;7 #30;7 #30;7 #43;8 #43;8 #43;8 #45;8 #45;8 #45;8 #45;8	#19;6
sagitale Sod. sagitale Sod. sagitale Sod. sarmentosum Engl. var. brachypodum Sod. var. ficifolium Sod. scaberulum Sod. scaberulum Sod. scabrinerve Sod. var. lloense (Sod.) Sod. scandens (Aubl.) Engl. f. angustifolium Engl. f. sodiroi Engl. sclerophyllum Sod. septuplinervium Sod. septuplinervium Sod. septuplinervium Sod. spathulifolium Sod. spathulifolium Sod. stans Sod. stenoglossum Sod. stenophyllum Sod. stans Sod. stenophyllum Sod. stans Sod. stenophyllum Sod. stans Sod. stenophyllum Sod.	subtruncatum Sod. sulcatum Engl. tenuicaule Engl.

Pricarinatum Cod	1	I	ļ	Adic. p.1	1	1	1	I	1	1	1
	7.5#	#3.3	#3.15.295	#3:5	1	I	l	ĺ	1	1	1
Day	100	Otto I	15.205	ır	I	1	1	Ī	1	1	I
var. obtusatum Engl.	1		10.50	2	20-100	00	281	J	1	1	1
	1	1	1		20.100	23	107				
trisulcatum Sod.	#26:9	#26;8	#56;16:14	#58;71	ĺ	1	Ļ	Ĺ	Į.	t	
truncicolum Engl.	#140:18	#140;17	#140;17:254	#148,210,t.28	Ī	Î	1	ĵ	Ĩ	1	I
tungurahuae Sod.	#120:16	#120;15	#121;17:85	#127;176	1	1	1	1	1	1	1
umbraculum Sod.	#67:11	#67;10	#67;16:101	#69;87	I	1	150	1	1	1	1
umbricolum Engl.	#26:6	#26:5	#26;15:390	#28;33	1	1	1	ĵ	1	I	1
var. rupicolum Engl.	1	١	15:390	32	1	1	1	Ţ	1	1	ļ
0	1	1	1	#111*;224	1		ļ	1	1	1	Ī
	#93:13	#93:12	#94:16:279	#99;131,t.19	1	1	1	I	Ī	1	Ī
venustum Sod	1	. 1		1	20:8	68,t.6	257,t.25	1	Ī	1	I
var divergens Sod.	1	1]	1	1	1	1	36	19	1	1
	#85-13	#85:11	#86:16:270	#90:118	1	1	1	1	1	ľ	E
		1	I	1	19:312	37	243	1	1	I	Ī
	#112.16	#113.14	#114-17-13	#119-163 + 22	1	1		1	1	1	I
_	71.901#	#115,11,11	#124-17-90	#131:183	1	1	[1	1	1	Ĵ
Viridescens Engl.	#150,14	407.12	#08-16-430	#103-138 + 20	1	I	-	I	1	I	I
vomeriforme sod.	+1,724	#100.12	#120.17.84	#106:174	1	1	I	1	1	1	1
vulcanicum Sod.	#177,10	#155,13	#120,17.04	#83.106		ļ	-	1	1	1	1
	1 000	403:11	404.14.204	#88:114	ı	١	1	1	I	I	1
xanthostachyum Sod.	#83;17	#62,11	#07:01:40#	#111400#			j	1	1	278	8
Heteropsis dammeri Sod.	1	1		1						275	78
Rhodospatha dammeri Sod.	1	1	1	1	ı			Į Į		27.5	80
	1		Ì							273	7.8
kraenzlinii Sod.	Ī	1	1	1	I	1	1			275	79
macrophylla Sod.	1	1	1	1	I	ij				27.4	1
	1	1	1	1	1	f j	1		1 1	276	8
	1		1	1	1	1	1	1	1	0/7	1 0
Stenospermation adsimile Sod.	1	1	Ī	1	1	1	1	1	1	270	4
brachenodum Sod	1	1	1	1	1	1	I	1		264	89
densiovalatum Fnol	1	1	1	1	1	1	l	1	1	566	69
	1	1	1	I	1	1	1	1	1	268	71
	ı	1	1	1	l	1	1	1	1	272	75
7		1	1	I	1	l	I	1	į	270	73
interruptum sou.					1		1	1	Ì	269	73
latitolium Sod.		l					I	I	1	267	70
longitolium Engl.	1	1								271	74
longipetiolatum Engl.		1	1	1	1		1	ĺ		257	10
mathewsii Schott	Ĩ	Į.	1	1	1		1	1		107	1
var. stipitatum Engl.	1	į	1	Ī	1	Ĺ	ľ	1		707	11
maximum Fnol	1		1	1	1	I	1	I	I	7/7	9/
:	1	-	ľ	1	1	I	Ī	1	Ĩ	569	72
		1	1	1	1	1	1	1	1	265	69
			1	1	1	1	1	1	I	269	72
sodiroanum Engl.			1				1	1	I	265	89
subellipticum Sod.		1	l.	1		ı				200	

