

GEORGE ENGELMANN  
BOTANICAL NOTEBOOKS

*Pagination Note:*

*Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.*



7

5 *D. filiformis*

*Pyrenurus*  
*aphyllus*  
*hexandrus*

Year.	Jan.	Feb.	Mar.	Ap'l.	May.	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1861...	32.2	40.4	44.8	58.1	64.1	76.9	77.5	78.6	69.1	57.9	46.0	39.7	57.1°F.
1862...	28.9	30.2	43.2	55.0	69.7	75.1	81.2	80.7	72.1	57.3	42.6	41.3	56.4°F.

RELATIVE HUMIDITY.

Year.	Jan.	Feb.	Mar.	Ap'l.	May.	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1861...	72.2	63.3	64.5	61.5	66.3	70.8	66.3	69.6	77.3	76.6	69.0	74.3	69.5
1862...	85.3	73.9	70.8	67.0	57.3	67.0	66.8	64.3	74.2	67.2	69.5	74.6	69.8

III. Yearly mean of Positive Electricity of Temperature, and of Relative Humidity of the Atmosphere, at the hours of 6, 9, 12, 3, 6 and 9, from morning till night, based upon daily observations at these hours through the years 1861 and 1862, at St. Louis, Mo.

ELECTRICITY.

	At 6 A.M.	At 9 A.M.	At 12 M.	At 3 P.M.	At 6 P.M.	At 9 P.M.
1861 .....	8.6	10.0	9.2	7.9	8.7	6.9
1862 .....	8.9	10.0	9.1	7.3	8.1	6.8

TEMPERATURE.

1861 .....	48.9° F...	54.9	61.6	63.6	59.3	54.3
1862 .....	48.9	55.0	60.9	62.3	58.0	53.6

RELATIVE HUMIDITY.

1861 .....	86.4	71.3	60.3	57.2	65.1	77.3
1862 .....	85.3	70.6	60.0	57.5	67.6	78.0

163-6



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Juncus filiformis

W. Philad.

Gray Engelm.

English Run, Hudson Co

Hook & Greville

Cascade Mts

Lyall 1859

Fork Caloville to Rock Mts

Lyall 1861

White Mountains

Pickering

Gray 1842

Vokes

Little

Tuckerm.

Tuckerm.

Muttall

Oneida Lake N.Y.

Torrey

Gray

Richt.

Quabbin Mts

(?)



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Aug 13 1865

*J. filiformis*  
White Mtns. Tennessee



New York ex Hb. Richl  
sub nom *J. sclerens*



dissepimental & placenta  
regular



*testa laxa*

in all my European & Amer.  
sp. I find the inner sepals  
a little shorter than the outer



capsules as long or longer than sepals  
outer sepals acute, inner obtusish



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*D. filiformis*

Aug 30 1855

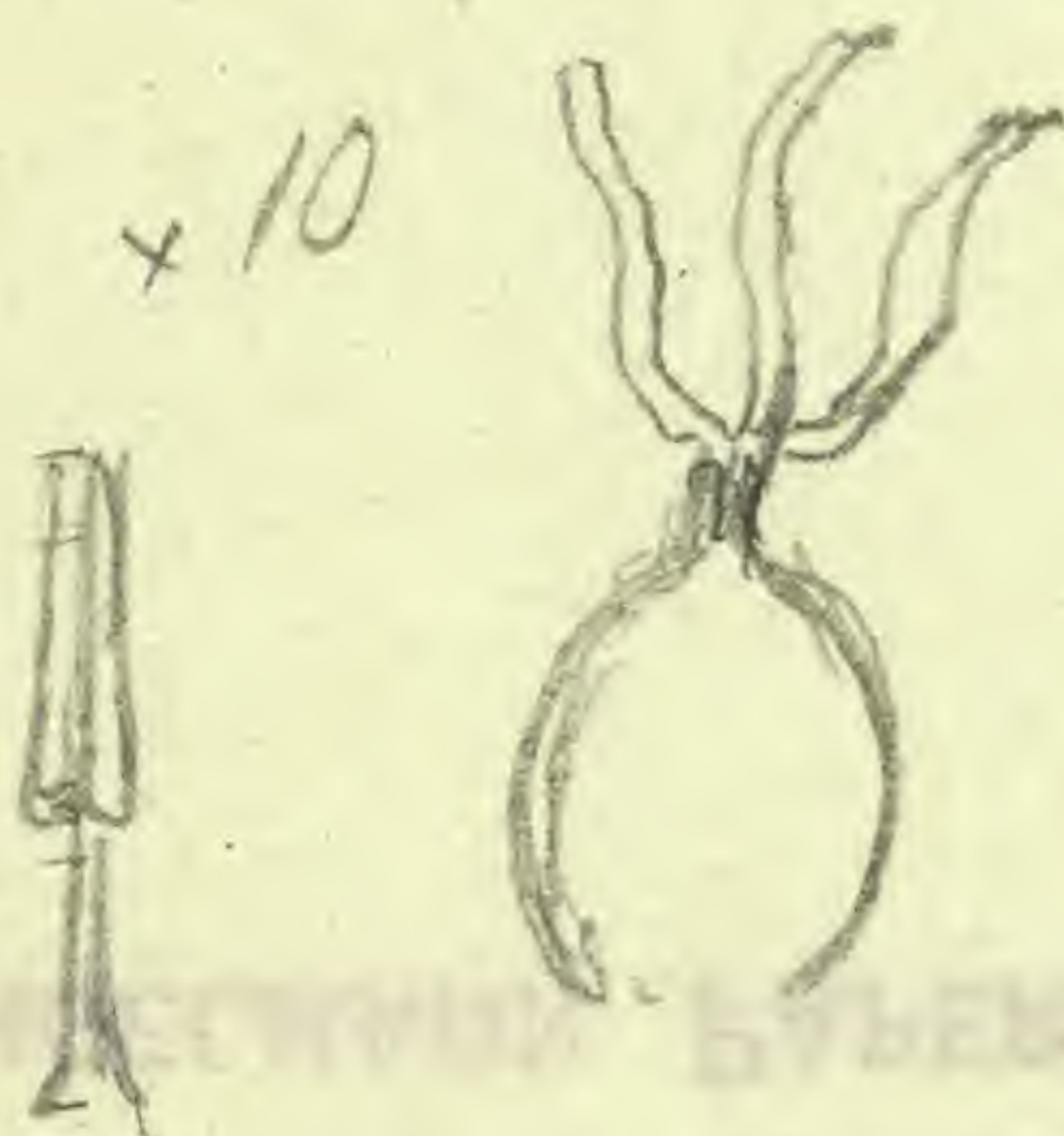
Maine in Herb Hall

x60



testa lutea

x10



capsula exserta

*Shizoneura repens*

Another specimen from Maine has capsules as long as

calyx - compact inflorescence

A Canada specimen has loose infl. and all the sepals  
very acute



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1806

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" *Juncus fliformis* 15 May 1866  
Roem & Schult "

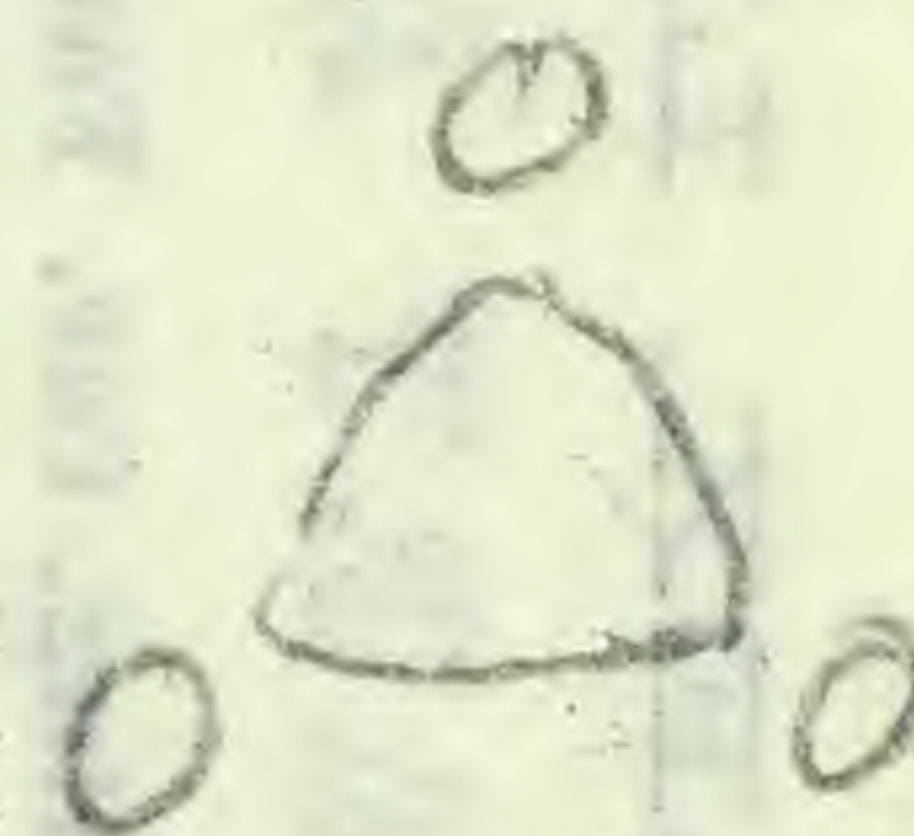
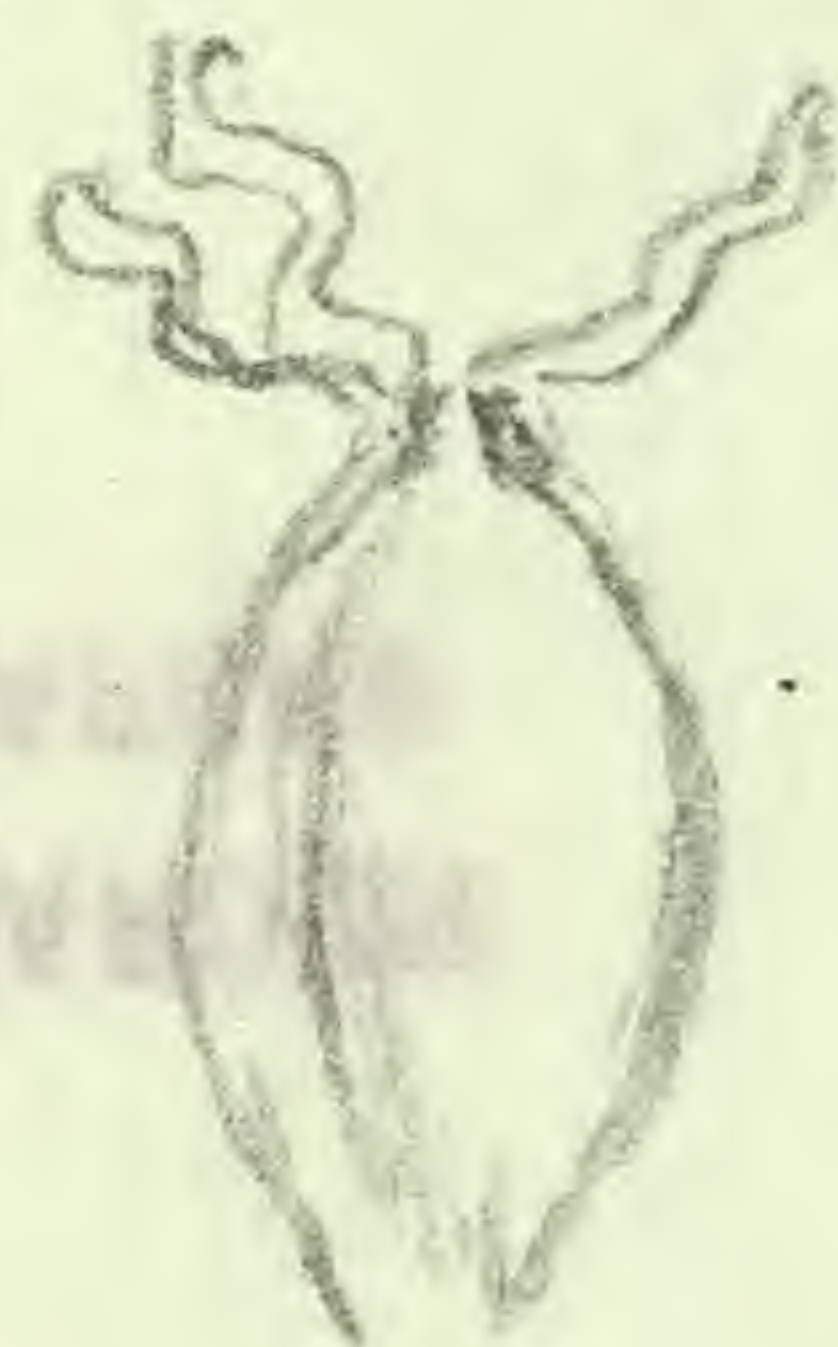
New Zealand

M. Raoul 1843

ex Hb. Mus Paris - Hb. Gray



very young seed



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*Juncus setaceus*

Aug 13 1865

Florida

Chapman



x 10



x 60



seed not quite ripe  
(boiled)

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sect of leaf x 10

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*J. setaceus*

Jan 16 1866

var *contracta*

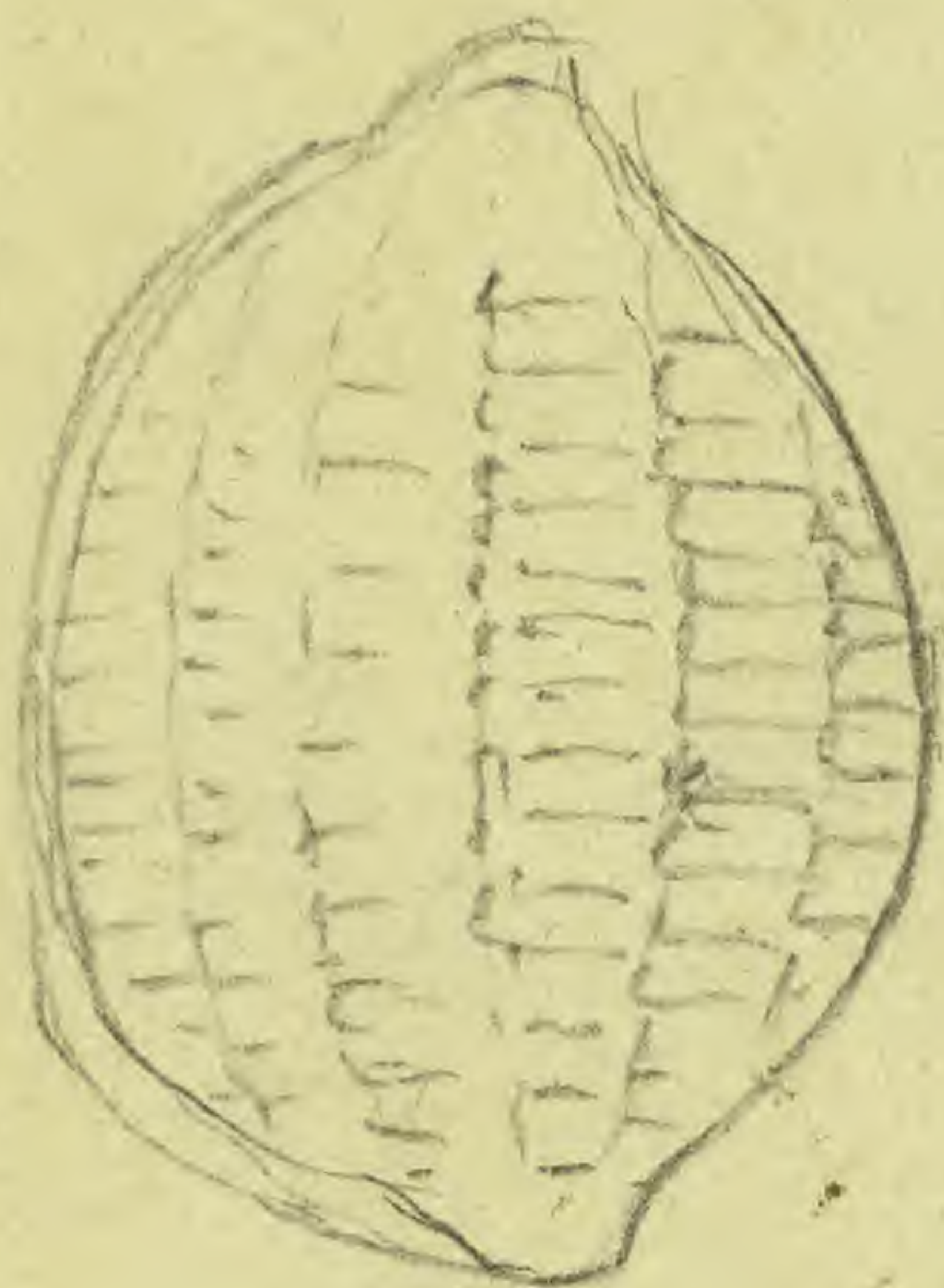
Lincoln Co

N. Carolina

Dr Hunter

(ex Hb Gray)

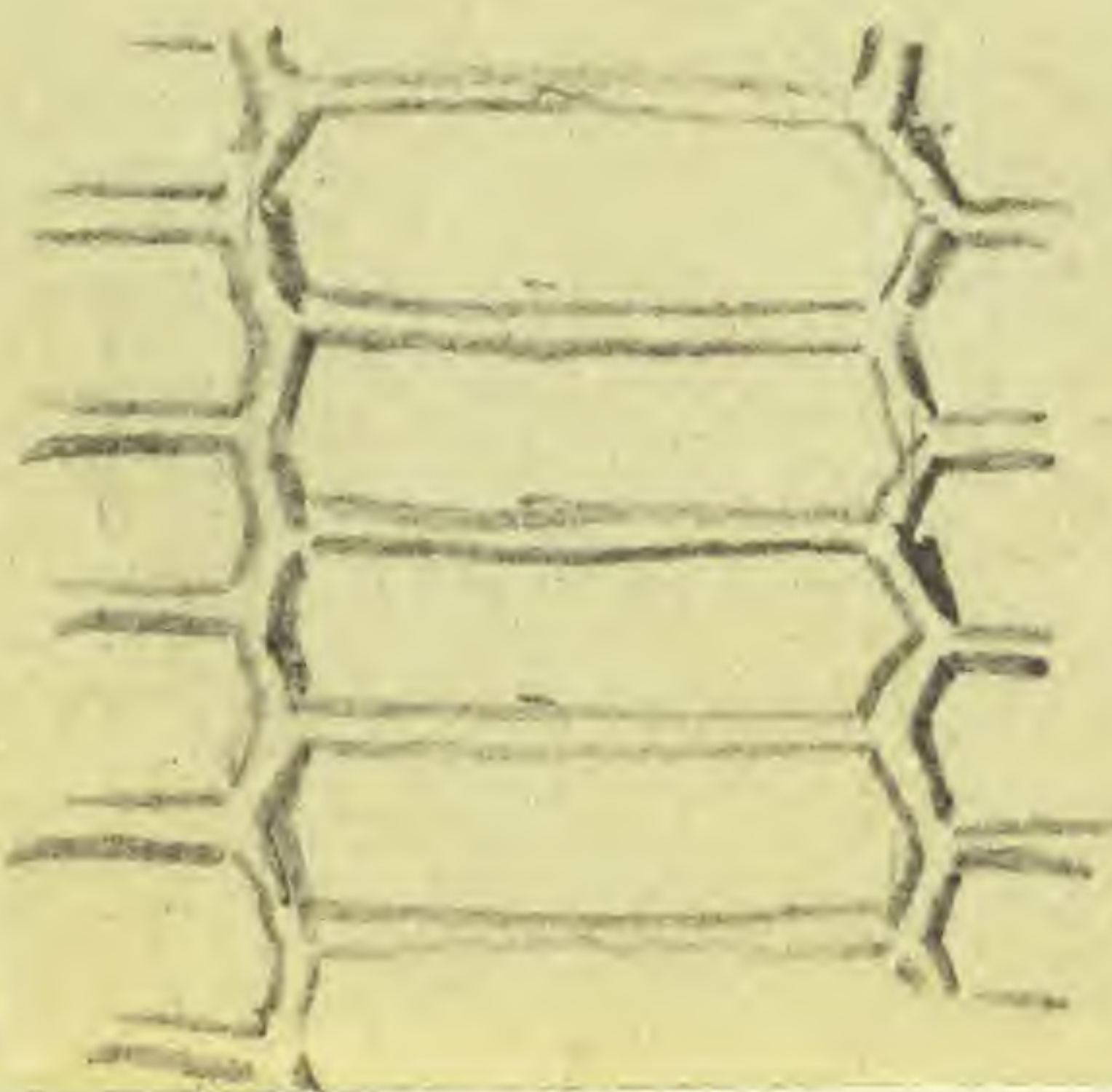
x 60



Inside of capsule  
2 dissepiments visible

ripe seed

at full maturity placentae  
separating in the middle;  
at the same time, dissepiments  
separating from the valves.



x 150

seed 0.32 - 0.33 cm long



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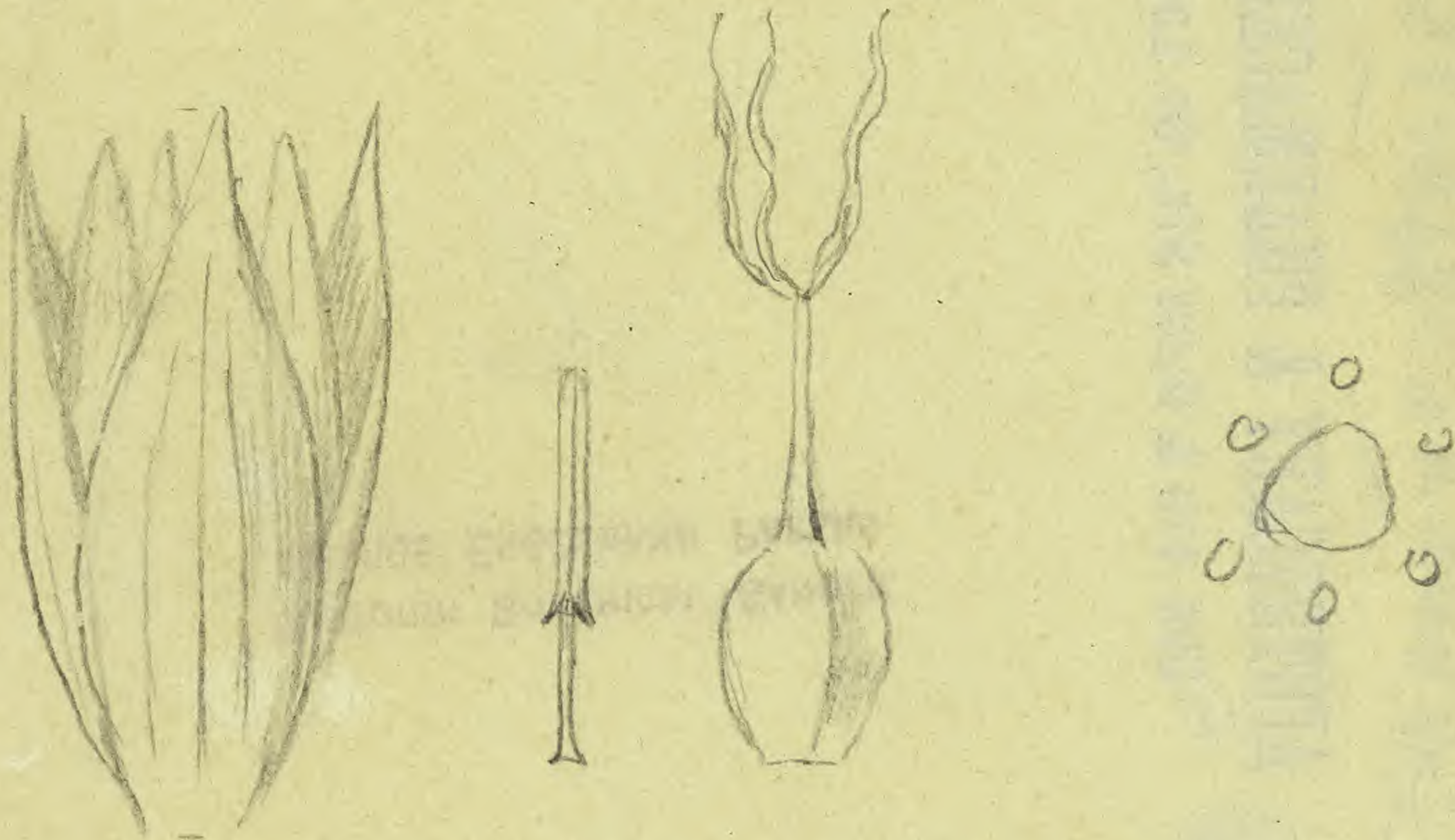


*J. setaceus*

Jan 16 1866

Diamond, N Orleans

- H. Gray



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*J. setarum*

March 29. 1866

Germany



x150

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Juncus setaceus Roskovius Monog. Juni.

Berolii 1801 pag 13

Tab. I fig 2.

Culmo nudo filiformi nutante, umbella latenti.

Composita pauciflora, pedunculis multifloris, petalis  
subulatis.

Hab in Pennsylvania

Culmus erectus teres apice subulato erecto vel nutante.

Umbella lateralis supra medium culmi e pedunculis 3-4  
erectis composita, uno uniflora, reliquis 3-8 floris

Calyx [ involucri ] trivalvis membranaceus

Petala 6 laciniata brunea apice subulata subaequa

Stamina 6 Antheris reliquis petalis duplo breviora <sup>aliter</sup>

Capsula ?

Affinis Juncus filiformi sed pedunculis ramosis  
calyce trivalvi petalisque subulatis bruneis  
abunde distinctus.

Nothing said about leaves. - From Pennsylvania!

Where did he see the specimen? Herb Willdenow?

Meyen. J. Junc. p. 18 mentions the leaves - says: Antheris. Over



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neither Rostkov nor Elliott  
# 406 says anything abt leaves  
my mention of it as Pennsylvania  
man

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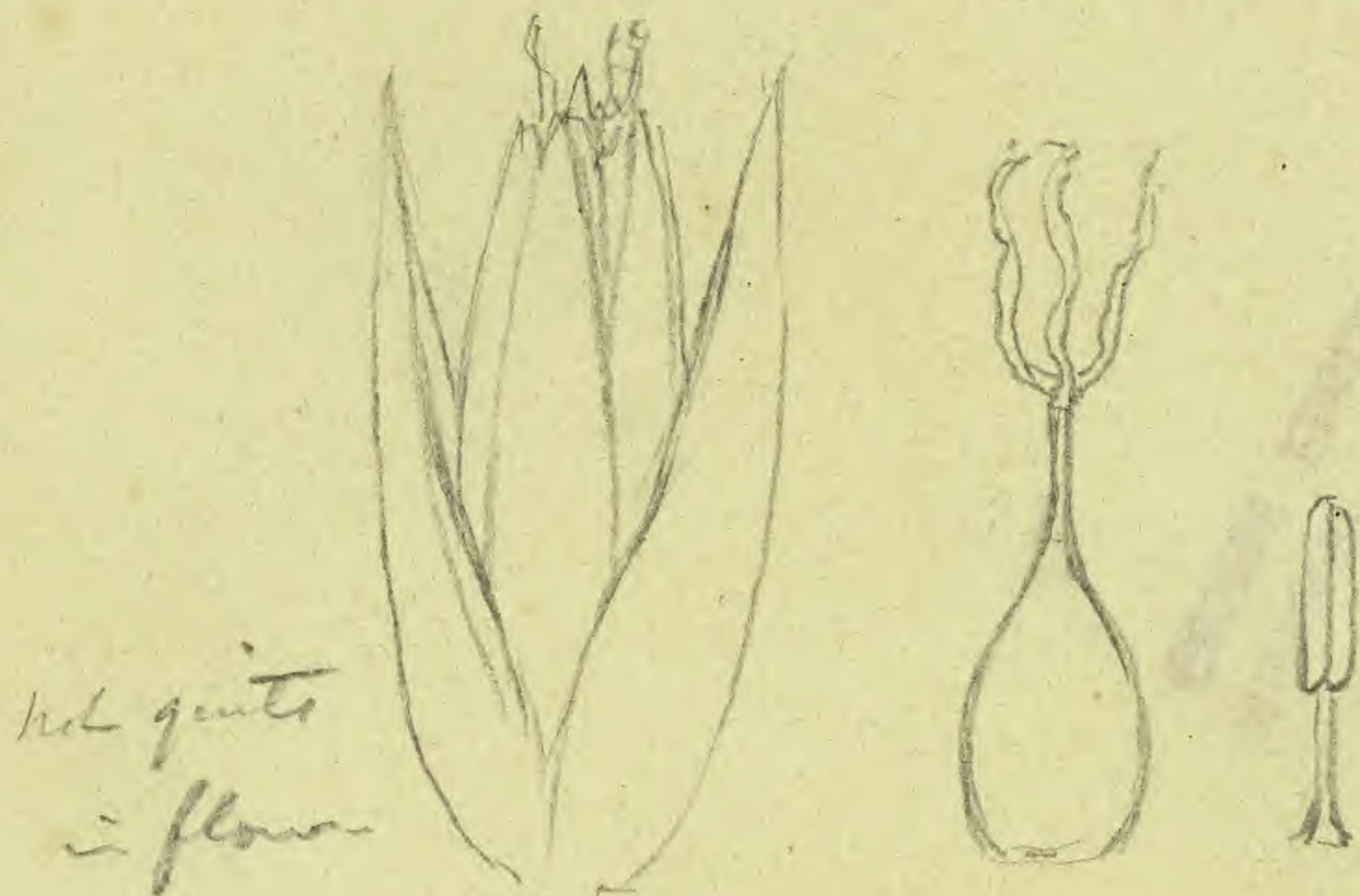


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*J. setaceus*

HC An Phil



sepals nerveless, not connate, rounded



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*S. pauciflorus* A Br

San Antonio & B. - m

167-8

116 TRANS. OF THE ACAD. OF SCIENCE.

IV. Direction of Winds and number of Thunderstorms in '61 & '62.

	1861.										Prevailing Winds.	Thunderstorms.
	E.	N.	N.E.	S.W.	N.W.	S.	N.W.	S.E.	Thunders.			
January.....	11	3	12	22	38	18	28	61	S.E.	0		
February.....	4	2	2	35	24	19	41	60	S.E.	2		
March.....	12	11	10	23	30	19	42	40	W. & S.E.	3		
April.....	16	10	9	26	21	35	34	26	S. & W.	2		
May.....	26	10	23	21	8	13	49	35	W. & S.E.	5		
June.....	12	21	22	20	25	26	8	41	S.E.	7		
July.....	3	31	14	21	26	46	15	29	S.	3		
August.....	18	24	58	17	11	18	3	37	N.E.	5		
September....	6	14	18	26	30	13	21	52	S.E. & N.W.	3		
October.....	12	9	5	21	30	33	30	46	S.E. & S.	1		
November....	7	15	8	22	27	20	36	44	S.E. & W.	1		
December....	9	19	9	25	23	33	17	51	S.E. & S.	0		
	136	169	190	279	293	293	324	522	S.E.	32		

1862.											Prevailing Winds.	Th. st's.
	E.	S.W.	N.	N.E.	W.	S.	N.W.	S.E.	Thunders.			
Jan.....	19	6	19	23	29	3	51	S.E.	1			
Feb.....	14	9	18	16	22	7	43	S.E. & N.W.	0			
March...	9	14	3	15	59	10	43	W., S.E. & N.W.	4			
April.....	12	13	18	31	18	11	47	S.E., N.W. & N.E.	6			
May.....	12	18	14	38	18	30	44	S.E. & N.E.	5			
June.....	3	29	24	16	8	36	23	S., S.W., N.W., N. & S.E.	6			
July.....	5	25	17	7	2	24	77	S.E.	10			



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*J. pauciflorus* A. Br.

March 13 1866

Tasmania. Gunn <sup>in</sup> Hb Gray

usual

rare



ante  
anthesin



sep. interna acquilonga  
seu vix breviora, minus ante  
exterior ad basin 3 nervia

sep. septa tenuissima  
(capitula)

all specimens are Candors

only Siebert's is 3 andm

Archer & Gunn for Tasmania  
Stewart, South port Tasmania  
Muller, Apollo Bay



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