MARIE SELBY BOTANICAL GARDENS

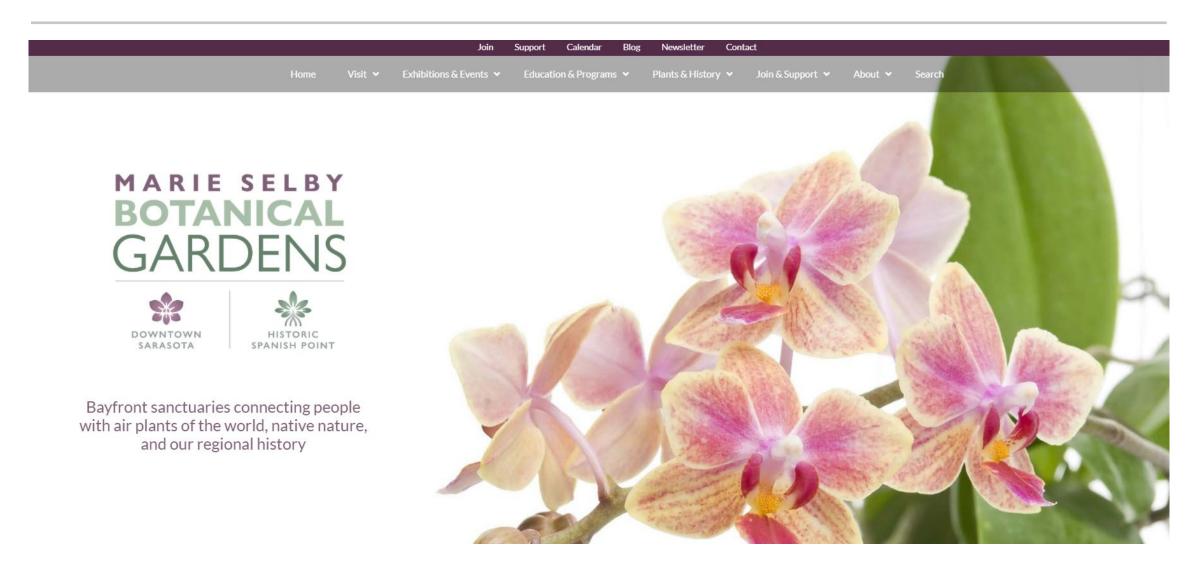








One organization, two campuses









WHY IS THE WORK OF SELBY GARDENS IMPORTANT?

ALL LIFE ON EARTH DEPENDS ON PLANTS

- Plants provide
 - 96% of the oxygen we breathe
 - Food
 - Medicine
 - Shelter
 - Clean water
 - A cooling system for our planet



SELBY GARDENS' ROLE

 Advance plant research to inform worldwide conservation efforts

 Build awareness about the importance of plants to life as we know it



MAP OF SCIENTIFIC WORK



WHY IS SELBY GARDENS' DOWNTOWN CAMPUS MASTER PLAN NECESSARY?

TO SOLVE THESE KEY CHALLENGES

- Protect the world's best scientifically-documented collections of Orchids and Bromeliads, which had been housed in aging infrastructure located in a flood zone
- Welcome thousands of visitors who wish to connect with Selby Gardens, but cannot be accommodated
- **Preserve** historical treasures and our 15-acre oasis in the heart of downtown for generations to come
- Provide long-term fiscal and environmental sustainability

THE WALL STREET JOURNAL.

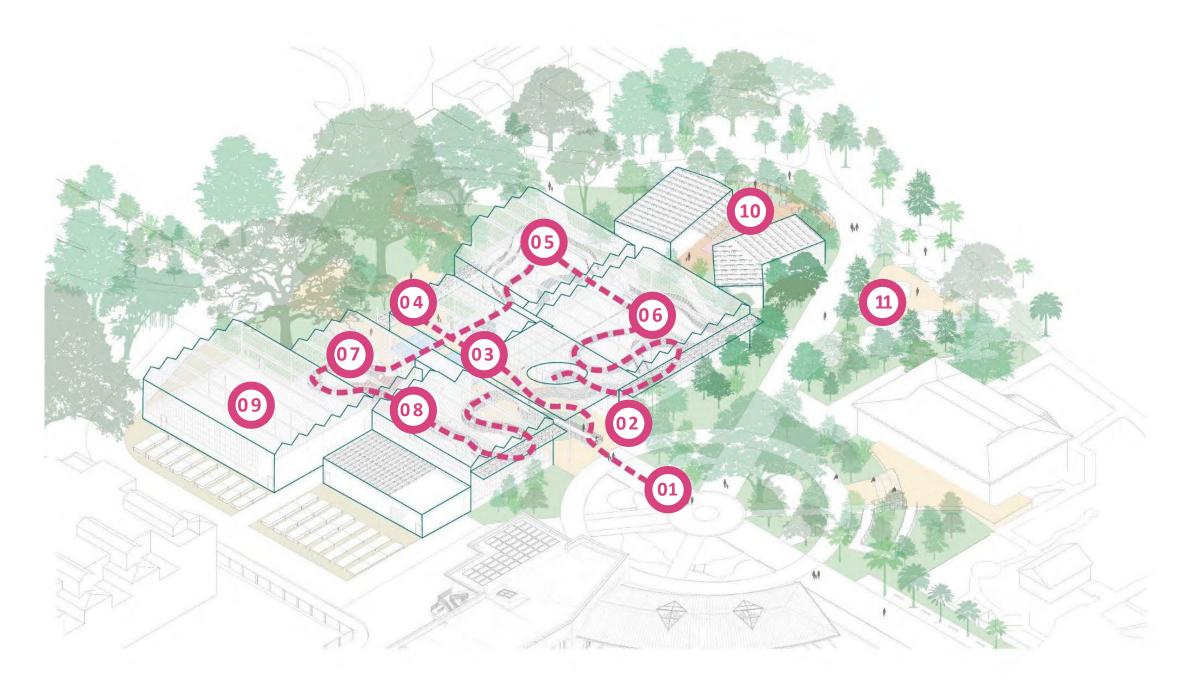


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Touring Phase 2...



Conservatory



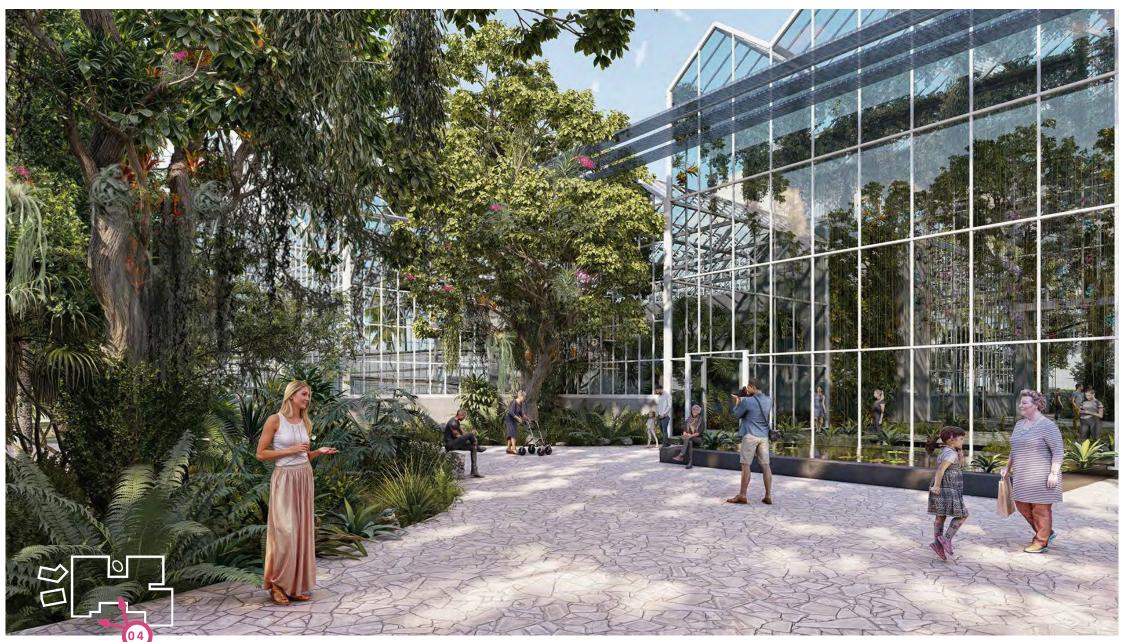
Sun Garden (Conservatory Forecourt Garden)



Entry Display (Exhibition House)



Live Oak Grove



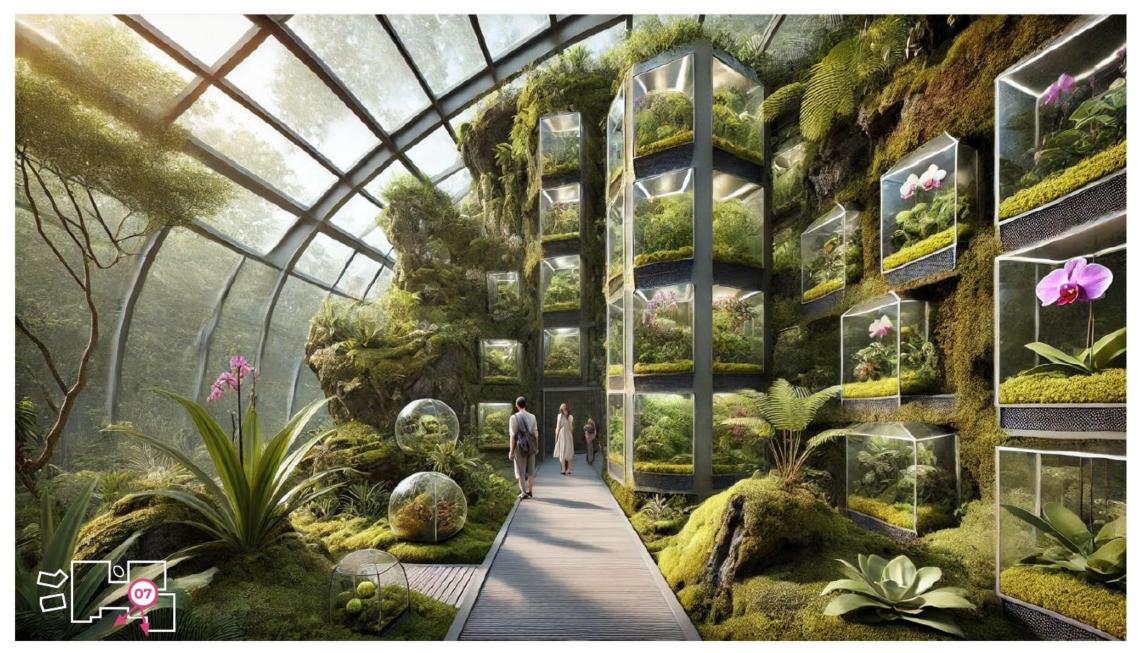
Additional Main Display



Main Display House



Jewel House

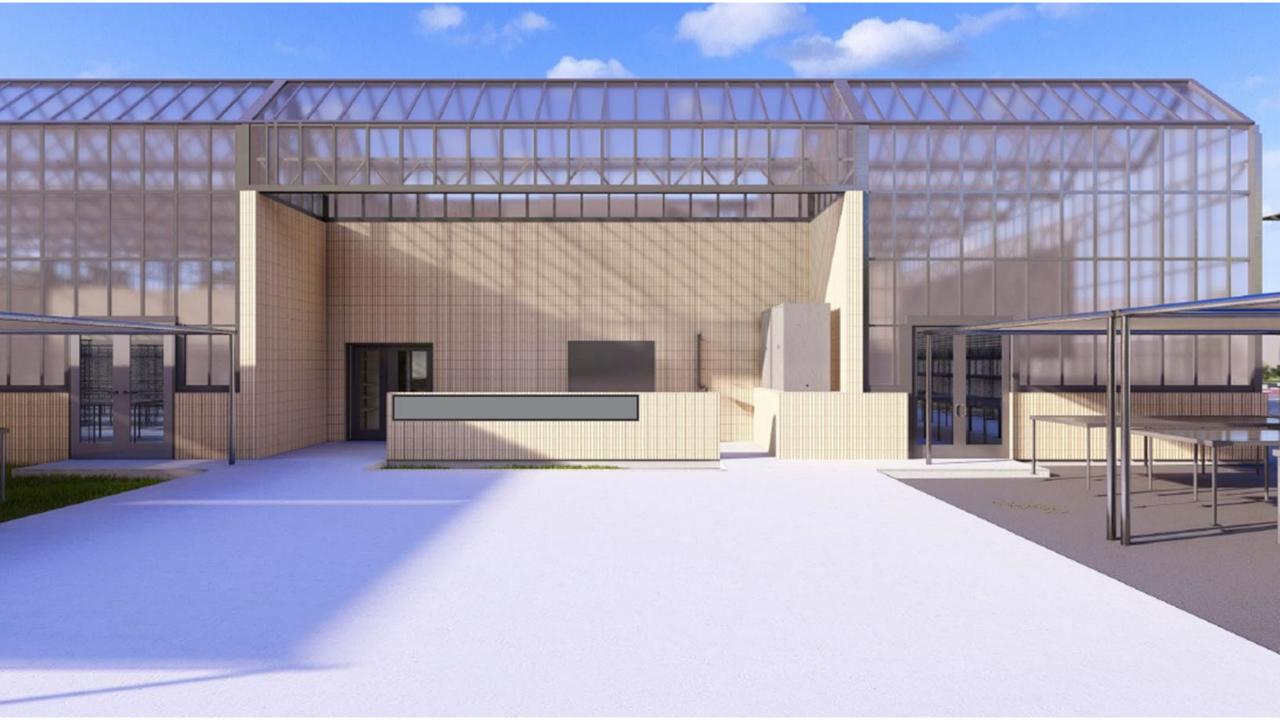


Montane House

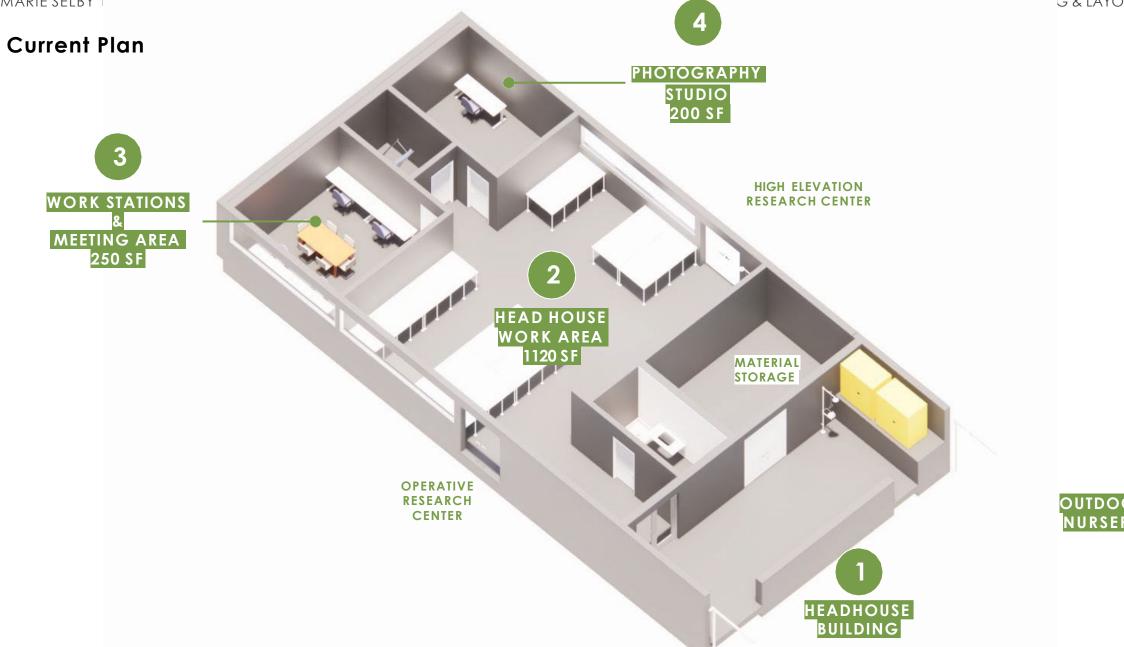


Epiphyte Operative Center

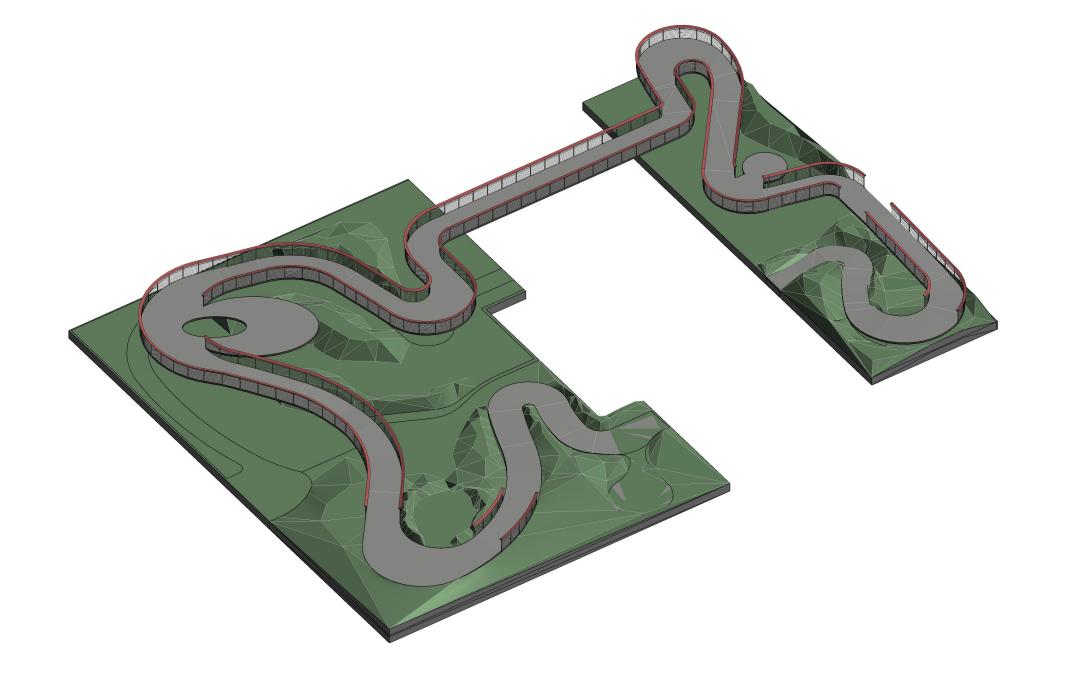




MARIE SELBY G & LAYOUT REVIEW



OUTDOOR NURSERY



LIVE OAK GROVE | SITE PLAN



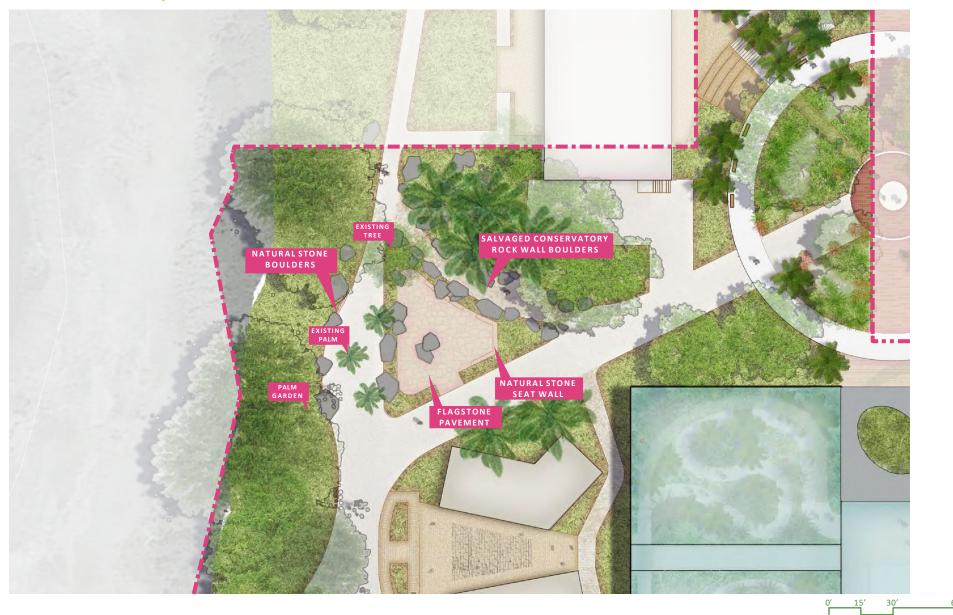
LEARNING PAVILION TERRACE DECK | SITE PLAN



Learning Pavilion



TARAS STONE GARDEN | SITE PLAN



Taras Stone Garden





OTHER UPDATES

THE LIVING MUSEUM®





ROTATING EXHIBITS

The Orchid Show

Highlights our own living, preserved, and bibliographic collections



Jean & Alfred Goldstein Exhibition Series

Connects nature to the arts



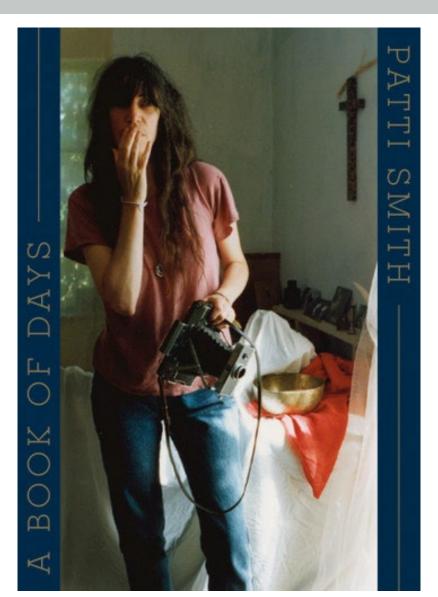
SELBY GARDENS

RESULTS OF THE LIVING MUSEUM® OPERATING MODEL

Increased membership by 170% to 24,000 member households

Increased overall earned revenues by 141%

ARTIST IN RESIDENCE PATTI SMITH: A BOOK OF DAYS



Patti Smith: A Book of Days

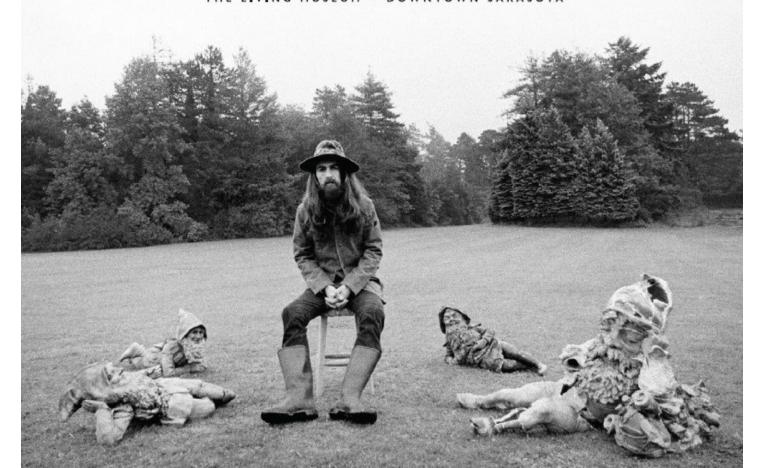
November 9, 2024 – August 31, 2025

Historic Spanish Point Campus
Open daily from 10 a.m. to 5 p.m.

THE JEAN & ALFRED GOLDSTEIN EXHIBITION

GEORGE HARRISON A GARDENER'S LIFE FEBRUARY 9 – JUNE 29, 2025

SELBY GARDENS
THE LIVING MUSEUM* · DOWNTOWN SARASOTA





LIGHTS IN BLOOM® FAMILY TOGETHERNESS NIGHT

• Over 1,300 children and families from Title I schools, as well as local youth serving organizations (Boys and Girls Club, Sarasota Housing Authority, Girls Inc., and others) enjoyed Lights in Bloom on December 13, 2024

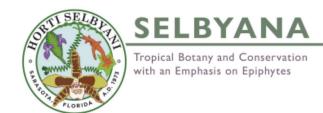








BOTANY





Description of Life History and Reproductive Size Thresholds in Three High Elevation *Puya* (Bromeliaceae)

Leah Veldhuisen*^{1,2}, Mary Carolina Garcia Lino^{3,4}, Erin Bodine⁵, Julián Aguirre-Santoro⁶, Rachel Jabaily²

ABSTRACT. The Andes are a hotspot for biodiversity and high species endemism for both plants and animals. The genus *Puya* (Bromeliaceae) lives throughout the Andes, including puna and the páramo ecosystems above 3500m. Here, we studied the life history in three species of *Puya*: *P. raimondii* in the Bolivian puna, and *P. cryptantha* and *P. goudotiana* in the Colombian páramo. We collected data on threshold size at flowering and clonal reproduction. All three species were found to have a consistent minimum size at flowering, while neither of the clonally reproducing species, *P. cryptantha* & *P. goudotiana*, demonstrated a minimum size for clonal reproduction. We also found a positive correlation between leaf length and fruit number for *P. cryptantha*. Our data supported that *P. raimondii* is fully semelparous and indicated that *P. goudotiana* and *P. cryptantha* may be semi-semelparous.

Keywords: Andes, puna, páramo, semelparity, semisemelparous

Journal of Biogeography







Endemism Centres of the Five Richest Vascular Epiphyte Families in the Neotropics

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Maria Judith Carmona-Higuita<sup>1,2</sup>  | Glenda Mendieta-Leiva<sup>3,4</sup>  | Jorge Antonio Gómez-Díaz<sup>5</sup>  | Fabricio Villalobos<sup>6</sup>  | Flavio Nunes Ramos<sup>7</sup>  | João Pedro Costa Elias<sup>7</sup>  | Derio Antonio Jiménez-López<sup>8</sup>  | Alejandro Zuluaga<sup>9</sup>  | Bruce Holst<sup>10</sup>  | Michael Kessler<sup>11</sup>  | Guido Mathieu<sup>12</sup>  | Alexander Zizka<sup>2</sup>  | Gerhard Zotz<sup>13,14</sup>  | Thorsten Krömer<sup>1</sup>
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Received: 3 February 2024 | Revised: 11 September 2024 | Accepted: 13 September 2024

Funding: This work was supported by Consejo Nacional de Ciencia y Tecnología Conselho Nacional de Desenvolvimento Científico e Tecnológico.

Keywords: Araceae | biodiversity hotspots | Bromeliaceae | geographic isolation | Orchidaceae | Piperaceae | Polypodiaceae | restricted-range species

ABSTRACT

Aim: Endemic species, characterised by limited geographic ranges, face a high risk of extinction. The neotropical region harbours diverse ecosystems and a substantial number of endemic species, thus identifying areas of high endemism is crucial for protecting unique and threatened species and ecosystems. Vascular epiphytes—nonparasitic plants that grow on other plants without contact with the soil—exhibit remarkable diversity in the neotropics, with 63% of the global total of ca. 31,000 epiphyte species found in this region. This study aims to describe the endemism centres for the five most species-rich families of vascular epiphytes.

Location: Neotropics.
Taxon: Tracheophyta.

Methods: We gathered information from free-access web repositories, specific epiphytic plant databases and scientific and grey literature on epiphyte species of the families Araceae, Bromeliaceae, Orchidaceae, Piperaceae and Polypodiaceae within the neotropical realm as defined by Morrone et al. (2022). Geographical ranges were calculated using minimum convex polygons for 11,446 species, accounting for about 70% of all epiphyte species in the neotropics. Narrow endemic species were defined as those within the first quartile of the density distribution of geographic range sizes within each family and we identified endemism centres for epiphyte species of the five families.

Results: Our study identified endemism centres for vascular epiphyte species in several biogeographic provinces, including Paramo, Cauca, Guatuso-Talamanca, Atlantic, Yungas and Puntarenas-Chiriqui. Orchidaceae, accounting for most of the analysed species (71%), drove the overall distribution pattern; however, endemism patterns varied among families.

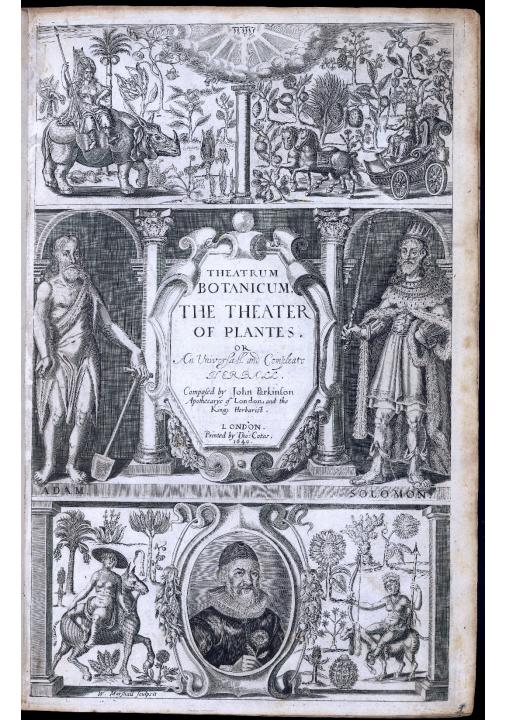
¹University of Arizona, Department of Ecology & Evolutionary Biology, PO Box 210088, Tucson, AZ 85721, USA; Email: leah.veldhuisen@gmail.com

⁴Herbario Nacional de Bolivia, Instituto de Ecología, Universidad Mayor de San Andrés, Bolivia, Cota Cota, calle 27, La Paz, Bolivia

⁵Rhodes College, Department of Mathematics and Computer Sciences, Memphis, TN 38112, USA; Email: bodinee@rhodes.edu
⁶Universidad Nacional de Colombia, Instituto de Ciencias Naturales, Facultad de Ciencias, Bogotá, Colombia; Email: jaaguirre-sa@gmail.com. Current address: Missouri Botanical Garden, 4344 Shaw Boulevard, Saint Louis, Missouri 63110 USA

^{*}Corresponding author

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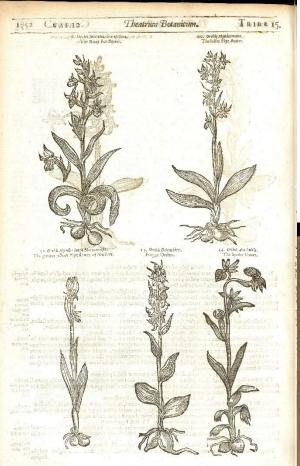


THEATRUM BOTANICUM

THE THEATER OF PLANTS
OR
An Universall and Compleate
HERBALL

Composed by John Parkinson Apothecare of London, and the Kings Herbarist

London
Printed by Tho: Cotes
1640

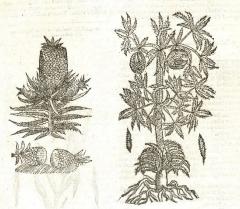


TRIBE 17. I beatrum Botanicum. CHAP. 85. CHAP, LXXXV.

Angua fen Pina. The West Indian delitious Pines.

He Pires (60 much elleraned for the molt excellent and pleafast (weete finite in all the Wetl Indies) is the frittor of a kinde of Thillie, growing with many long, hardsough hillie and narrow leaves, thick the frittor of a kinde of Thillie, growing with many long, hardsough hillie and narrow leaves, thick the light of the most of the most of the property of the light le Pines (fo much effeemed for the most excellent and pleasant (weete finite in all the West Indies) is

Ama fen Pina. The Well Indian delitious Pines.



1048 CHAP. 10. Theatrum Botanicum.

and without any markes on the backlide of them, yet with a hollow roundatelle at the buttone of them as the former, and bedies of menta unevenly densed about the edges; the roots were very small and threaddy quickly withering. Clustur saith that Lobel having fent him some of those plants, after hee had kept them in a pot because of their tendernesse, two yeares they changed their forme into the jagged Harts-horne, where-of he much mervailed, for afterwards ashe faith when he came into England, hee gathered with his owne hands in the fame place the like plants, which there held the forme of Hemio-

3. Hemienitis percerina Clufij. Strange Mules Ferne.

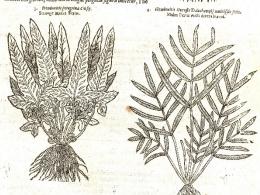
This differethfrom the first in no other thing but in the bor-tomes of the leaves, which have a small care or peece of leafe les on each fide of the arched or hollowed bottomes, 4. Hemionitis Ilvensis Dalechampi multifide falso.

Multes Ferne with divided leaves.

This kinde of Hemionitis (it is persaine theteto) hath fundry stalkes of leaves, rifing from a tute of blacke short haires or fibres, each whereof is about a fonte long, divided into feven or nine parts, two or three couple flanding lowelt, one fer against nine parts, two or trace coaper tanoning towers, one recreament another, and the three uppermoff a little thing above them, each of the E leaves are long narrow and pointed, and fome-what dented about the edges with an eminent middle ribe; these have no markes on the backer of them as the others of The Place and Time.

The natural places of all these are shadowy rockes and moist hollow places where little heare of Sunne commeth, and are greene all the yeare as the former Harts-tongue,

The Names, It is called in Greek in wins Hemionitis & consessor Splenium, the former quasi mularia and Splenium voiunt quad ejus folium medicorum splenia, nimirum oblongas plugulas sigura imitetur. The



CHAP.69.

Theatrum Botanicum.

TRIBE 16

before they are caten, the inner fubliance being yellowish and of a fine fueete calle, not faddenly to be perceived, yet I having talted of one that Doctour Pay gave me, did thinke I had talted of a Orris roote pieferred with Sugar, which perceived a very more the natural relight thereof, bur a feititious. Vider the flalke with fruite, hangeth downe to a mother tlake, a tate of leaves, which fome while after will be an-other bunch of fruite, utually bearing twife, and in fome places thrice every yeare; when the flalke is cut downe, fone fay that it yeeldech a kinde of water like milke, both for colour and rafte, fome tay alfo that the roote beareth but once or rwife, or thrice at the most: but the certainety is, that it neederh to be but once planted, for that it continually fenders, forth new stalkes, as the old decay, and in some Conntries are foone tipe after they fpring, and will have tipe fruite, from fome of the plants at all times.

The Place and Time. This generally groweth in most Provinces of the East, as well Egipt and Syris, as the Indies; it groweth allo in Braf-\(\textit{B}^{ij}\), but is planted onely in the Well Indies, in Cyprus also it will doe terforable well, but not so in Candy, but in Spaine or Foreign values i heare, it will not beare at all. Africa also and Esbiopia wanteth it not, and as is faid, hath ripe and greene

finite almost all the years long, The Namer.

It is very probable that this plant was not knowne to Theit wery processes that this pears was not knowned to to exhaustic the that which the La. S. be fairly growth in Cyprus with a large leafe, and a much greater fruite, but is not known y like the reft; and therefore "Guilaudinus refulch it, not yet fince his time to Dinforider or Gullu, no not to Pluty, and the the control of the contro unleife as Cinfin and others thinke, it may be his Pala, mentioned in his 12 Booke, and 6 Chapter, whose fruite was called Ariena, of a wonderfull sweetenesse, one whereof was able to fatisfie foure men, the leafs thereof being three cubits long and two broad, which is four what like left, in the ras Genfie faith, it is yet to this day, called Palan, in the Country of Malabor, which is on this fide Ganges, and beyond Indian it is diversible.

Abella : it is faid that fome doe all one fort Senerals, and ano call them Figos dorta and Figos de Cananir, others Ficus Mar-tabana, of fome also Ficus Pharaonis, they of Ginney, and in the Realme of Congo Bananas ; Lodonicus Romanus, and Broon of the Holy Land call it Adons Apple, whom Cardense, and others doe follow, suppo-fing it to be the fruite that Eve tooke and gave to Adam : but the very text of the Scripture convinceth that errour, for it is there faid, that they fowed Figtree leaves rogether, to make keducife, when as one leafe hereof had beene fufficient, Some also as Bankinns settech it downe, call it Dudaim, but I thinke that name better agree-Arabians Serapio, and Avices Manz, Whole, Amusa and Maam; of the Moores Maz, and Genez, of fome Greekes and Latines Margraita: they of

By called, every Country almoll, giving it a peculiar name, they of Malayo Fifan, they of Bengala Quelli, in other places of the Indies Melopalanda, in Malavaralfo Chincapa-lones, they of St. Thomas Liland

Mufe while frulles. The fruite of the faid Indian Figge of Plantaine tree,



ROOFTOP EDIBLE GARDEN



















MARIE SELBY BOTANICAL GARDENS ROOFTOP GARDEN

Selby Gardens Rooftop garden. A small space with a large outcome. Grown by Operation Eco Vets, providing the harvest to the Chefs of the Green Orchid below the garden. The mere 1000 square foot area grows a variety of vegetables, herbs, edible flowers and micro greens.

Nasturtiums

10946 EA

Cosmos

EDIBLE FLOWERS

11875 EA

Amaranth

Scarlet Bean

1,695 EA

1219 EA

Coreopsis

895 EA

Other Flowers

448 EA

Tomatoes-Cherry, Plum, Heirloom

VEGETABLES

Eggplant-Italian, Japanese

Peppers-Sweet, Jalapeno, Poblano

Florida Sweet Onions- Bulb

Green and Gold Beans

Celery

Fennel Bulb

Long Beans





295 Pounds

164 Pounds

54 Pounds

30 Pounds

5 Pounds

42 Bunches

41 Each

428 Each

BASIL SWEET/LIME MINT **FENNEL FRONDS OREGANO ROSEMARY CILANTRO** THYME PARSLEY DILL SAGE **LEMON BALM LEMON GRASS**







149 Bunches 59 tubs 23 Bunches 14 Bunches 10 Bunches 19 Bunches 4 Bunches 5 Bunches **5 Bunches** 1 Bunch

> 4 Bunches 3 Bunches

> > 35 Tubs

18 Tubs

8 Tubs

2 Tubs

2926 EA

1303 EA

Purple Radish

Arugula Lime Basil

Pea Shoots

Cranberry Hibiscus Leaves

Amaranth Leaves

Nasturtium Leaves

kale-Lacinato and Red Russian

Lettuce

Longevity Spinach

Mixed Tropical

MICRO GREENS, LETTUCE AND LEAVES





1188 EA 88 EA 34 Heads 3 Tubs 2 Tubs

UPCOMING EVENTS: FOR INFORMATION GO TO SELBY.ORG

- Enchanted Garden Family Festival (HSPC) Saturday, March 22 and Sunday, March 23
- Architecture Sarasota Hiss Award Lecture (DSC) Thursday, March 27
- Architecture Sarasota Hiss Award Dinner (DSC) Friday, March 28
- Spring Lunch in the Gardens (DSC) Wednesday, April 9
- Legacy Luncheon (DSC) Friday, April 11
- Spring Exhibition Evening featuring The Sarasota Ballet's Margaret Barbieri Conservatory
 (DSC) Wednesday, April 16
- Easter Brunch (DSC) Sunday, April 20
- Garden Music Series featuring Ravon Rhoden (DSC) Sunday, April 27
- Gospel Jubilee in the Gardens (DSC) Saturday, May 10
- Mother's Day Brunch (DSC) Sunday, May 11
- Performances at the Point featuring Allie Sawicki (HSPC) Wednesday, May 21



ARCHITECTURE SARASOTA

The Hiss Award is bestowed annually to an individual or organization that pioneers and / or champions the guiding principles including modern design that is:

- Adapted to its natural environment and responsive to its socio-cultural context
- Innovative and often experimental
- Informed by and promoting democratic ideals and expressive of its civic responsibility such as accessibility for people and communities of all backgrounds and abilities.
- Special consideration is given to those who have undertaken a project in Sarasota or Florida and / or who have an affiliation with one or more of the designers associated with the Sarasota School.

2024 PHILIP HANSON HISS AWARD HONORING OLIN STUDIO

Upcoming Events at Selby Gardens' Downtown Sarasota Campus

- Thursday, March 27 Hiss Award Lecture
- Friday, March 28 Hiss Award
 Celebration Dinner, Chaired by Teri
 Hansen and Jennifer Rominiecki

MARIE SELBY BOTANICAL GARDENS





