The Mission of the National Tropical Botanical Garden is to enrich life through discovery, scientific research, conservation, and education by perpetuating the survival of plants, ecosystems, and cultural knowledge of tropical regions.
Aloha and welcome to the National Tropical Botanical Garden's 2019 Annual Report. Over the course of our 56 year history, NTBG has become a leader in the discovery, identification, and preservation of endangered plants. As the only congressionally chartered not-for-profit botanical garden in the United States, NTBG programs advance rare plant conservation, scientific research, and education.

Through multifaceted programs, we engage with the public, educating students, teachers, and professionals, as well as members of the global scientific and conservation communities, contributing to a greater understanding of plants and the environment.

With climate change, loss of biodiversity, and now a global pandemic, we believe our work has never been more urgent. Thinking about what future solutions to our most challenging problems may be discovered in plants gives me hope.

It has been my privilege and honor to serve for the past six years as the Chair of a Board including dedicated Trustees, Trustees Emeriti, Fellows, donors and members. Our staff and volunteers are second to none in making a profound difference through their work.

The year 2019 was a year of overcoming challenges, promising achievements, and new beginnings. Thank you for taking the time to read about NTBG in the following pages, and learning how together we are “Saving Plants, Saving People.”

Thomas D. Hewitt
Chairman, Board of Trustees
National Tropical Botanical Garden

There’s no denying my first year as NTBG’s CEO and Director was extraordinary. We faced daunting challenges, but also proved our resilience as we recovered from hurricanes, record-breaking rainfall, flooding, and drought. As a new fungal pathogen spread across the Hawaiian Islands, threatening our most important forest tree, ‘ōhi’a, we continued efforts to collect and store Metrozideros spp. seeds.

On Kaua‘i, our staff used drones to rediscover Hibiscadelphus woodii, an endemic species that was thought to have gone extinct. At our Kahanu Garden on Maui, we completed a new visitor and education and center where we can engage the community, teach visitors, and tell the story of Hawaiian and Pacific Plants. In Florida, at The Kampong, we joined Florida International University in breaking ground on the International Center for Tropical Botany.

Meanwhile, our five gardens welcomed thousands of visitors, students, artists, journalists, researchers, and scientists from around the world. They came to exchange ideas, study our collections, enhance their own careers, and enjoy being with plants.

Even as threats to the world’s plants and ecosystems have accelerated, NTBG is finding new ways to save plants through collaboration, innovation, and sheer determination.

Having completed my first year, I now have a newfound appreciation for the organization. From an unshakeable Board of Trustees who are wholly committed to our success, to our dedicated staff, volunteers, donors, and members, we have been able to overcome adversity, recover from disasters, and continue to grow as a leader in tropical plant science, conservation, and education. Together, we save plants.

Thank you for your interest and support of NTBG. Our mission has never been more critical.

Janet L. Mayfield
CEO and Director
National Tropical Botanical Garden
2019 by the Numbers

**2,358**
Herbarium specimens in total added to collection

**8,550**
Invasive plants removed from 70 acres in the Upper Limahuli Preserve

**27**
Varieties of Hawaiian taro replanted at Kahanu Garden

**1,000**
Foot vertical drop to where NTBG rediscovered Hibiscadelphus Woodii on a sheer cliff face using a drone

**1,303**
Pritchardia Minor seeds collected from five trees sent to three gardens in three states for backup ex situ collections

**1,100+**
Students, teachers, and professionals participated in education and training programs

**263**
Leaf tissue collections added to DNA repository

**351**
Books and periodicals accessioned to library

**319**
Herbarium specimens loaned, exchanged or gifted to scientific institutions; 1,820 specimens received as exchange or gift

**60**
Foot high breadfruit trees, in the collection of 230, were trimmed and shaped, some for the first time

**433**
Volunteers and 12 groups volunteered nearly 23,000 hours

**18**
Publications authored or co-authored by staff published in peer-reviewed journals

Programs

**Science and Conservation** – Rough terrain conservation collecting; genetic diversity and breeding system studies; outplanting and invasive species control; endemic taxa seed collecting; seed viability studies, storage, and reciprocity; remote summit surveys; critically endangered species rediscovery using drones; expansion of herbarium collections including digitization and imaging; peer-reviewed publications; participation on presentations, panels, and public lectures; community outreach, service, and mentorship.

**Living Collections and Horticulture** – conservation horticulture including rare and endangered plant propagation; native fern production in fern lab; ex situ outplanting; development of living collections; plant records and database management; flood damage and assessment and recovery at Limahuli Garden; strategic planning and inventory for adding Hawaiian canoe plants; hurricane recovery and mapping collections at The Kampong; training and working with students, interns, and volunteers; logistical and technical support for five garden sites.

**Breadfruit Institute** – promoting the conservation, study, and use of breadfruit for food and restoration; preserving the largest, most comprehensive breadfruit germplasm repository in the world; curating genetic resources; supporting research programs; collaborating with international programs to advance distribution and use of high-quality varieties; develop and expand Regenerative Organic Breadfruit Agroforestry demonstration for education and development of future models for collaboration.

**Education** – place-based programs offering students at every level the opportunity to learn in the garden, the lab, the library, and the field; extensive and varied internship programs; hosting children’s summer ‘Keiki Camp’; participation in STEM nights at local schools; learning opportunities, training, and professional development for college and university students, interns, journalists, botanical illustrators, researchers, and science educators through annual Science Teachers Enrichment Program.
NTBG Gardens and Preserves
National Tropical Botanical Garden manages five gardens and five preserves on three Hawaiian islands and Miami, Florida. NTBG also maintains native forest mountain and coastal habitat, threatened green sea turtle nesting grounds, and sites of historical, cultural, and ecological importance. NTBG is comprised of:

**McBryde Garden and Lāwa‘i Preserve** is NTBG’s 200-acre flagship garden and 50-acre preserve housing one of the largest collections of native Hawaiian plants, Polynesian introduced “canoe plants,” and living collections of exotic plants of scientific, cultural, education, and conservation value.

**Allerton Garden** is an 80-plus acre masterpiece of landscape design established by founding NTBG Trustee Robert Allerton and John Gregg Allerton in the 1930s. Using space, light, and water, Allerton Garden combines antique statuary, architectural features, and tropical plants. The garden borders the Lāwa‘i Kai Special Subzone at Lāwa‘i Bay.

**Limahuli Garden and Preserve** is located in the rugged, verdant Limahuli Valley on Kaua‘i’s north shore, and includes restored ancient taro patches, Hawaiian heritage plant collections, and many endangered native species. Above the garden, the 987-acre preserve is home to some of the world’s rarest plants and ground nesting seabirds and is an important research and conservation site.

**Kahanu Garden and Preserve** on Maui’s rugged north shore in the town of Hāna is home to Polynesian-introduced “canoe plants” and extensive collections of Pacific island heritage plants. Kahanu sprawls in the shadow of Pi'ilanihali Heiau, an important archaeological site and includes a large coconut palm collection, native pandanus coastal forest, and primary conservation collection of NTBG’s Breadfruit Institute. A new Visitor and Education Center opened in 2019.

**The Kampong** was built on the shores of Biscayne Bay in south Miami, and was the home and private garden of 19th century botanist David Fairchild. Within its 11-acre grounds, NTBG cares for some one thousand plant species including the Fairchild heritage collections, exotic fruit and ornamental trees, palms, bamboo, and historical buildings. In 2019, NTBG broke ground on the future site of International Center for Tropical Botany, a collaboration with Florida International University.

**Kaʻūpūlehu Preserve** is a nearly six-acre enclosure on Hawai‘i Island comprised of remnant dryland forest with concentrations of endangered plants managed under lease since the early 1970s.

**Awini Preserve** is in a remote area of the Awini Plateau in the Kohala Mountains on Hawai‘i Island. Some 85 native and non-native species have been recorded in this wet forest where they are threatened by invasive plants and feral animals.
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as of December 31, 2019

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Heather and Patrick Henry
Klee Irwin
Linford L. Lougheed

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Annie Seipp
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Laura Ray and Donald W. Y. Goo
Sarah and David Goodale
Priscilla and James Grownney
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Mary Mackiernan and Robin D. Clark
Ruth C. Mead
Susan and Roy O’Connor
Catherine S. Rodriguez
Stephanie and Kenneth B. Schwartz
Elizabeth and John Von Kruenstien
Allison Watson and Jon Barwick

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Helen Norton
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Catherine and Michael Topham

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Hau’oli and Chipper Wichman
Jeanne R. and Charles R. Wichman
Jane Woodward

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Anonymous (2)
Anne and Peter Anderson
Stephanie Lerner Ansin and Spencer Stewart
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Appy and Niles Shubina
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Douglas Campbell
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Wendy W. Chase
Callie Chavoustie and Sebastian Baquero
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Mary M. Cooke
Lucy B. and Steve Cookson
Mary and Michael Copriviza
Gillian and Glynnie Couvillion
Norma J. Craig
Mary M. Cudahy
Sarah and Joseph Davis
Lindsay and Zachary Deane-Mayer
Debra DeMarco
Carol Y. and Martin Dickinson
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Valerie and Robert English
Juliet Evans
Jane T.N. Fogg
Marisa Fort
T. Jack Foster, Jr.
Hedda and Lutz Franz
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Alice Glasser and Jesse Thompson
Financials
Un-audited December 31, 2019

How you can make a difference...

• Donations support horticulture, education, scientific research, and conservation. To contribute, visit ntbg.org/donate or call (808) 332-7324 Ext. 212.
• Become a Garden Member to enjoy free and discounted tours, special invitations and offers, our exclusive member’s magazine, The Bulletin, and more. Visit ntbg.org/membership, email members@ntbg.org or call (808) 332-7324 Ext 241.
• Become a Garden volunteer in a way that matches your interests, abilities, and availability with Garden needs. Learn more about volunteering by emailing volunteers@ntbg.org.
• You can also make a difference by joining NTBG’s Council of Fellows, presenting a corporate matching gift, becoming a business partner or corporate member, or including the Garden in your estate plans. Learn more at: https://ntbg.org/support or contact Heather George, Director of Philanthropy at hgeorge@ntbg.org or (808) 332-7324 Ext 210.

Financials
Un-audited December 31, 2019

Revenues & Support

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<tr>
<th>Revenue Source</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Visitor Program</td>
<td>21%</td>
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<tr>
<td>Contributions &amp; Bequests</td>
<td>3%</td>
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<tr>
<td>Core Mission Support</td>
<td>44%</td>
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<tr>
<td>Science &amp; Conservation</td>
<td>27%</td>
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<tr>
<td>Fees, Investments Gains &amp; Other Earned Revenue</td>
<td>37%</td>
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Expenses

<table>
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<tr>
<td>Gardens &amp; Preserves</td>
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<tr>
<td>Visitor Experience &amp; Education</td>
<td>29%</td>
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<tr>
<td>Core Mission Support</td>
<td>44%</td>
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<tr>
<td>Science &amp; Conservation</td>
<td>27%</td>
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<tr>
<td>Visitor Program</td>
<td>37%</td>
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Core Mission Support represents the investment in key functions that are necessary, vital, and integral to delivering our programs. Each of our programs is built around, is supported by, and shares responsibility for Core Mission Support.

2019

ASSETS

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<thead>
<tr>
<th>Asset Description</th>
<th>Value (in $1,000s)</th>
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<td>Cash and cash equivalents</td>
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<td>Other current Assets</td>
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<td>Fixed Assets</td>
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<td>Assets held for preservation</td>
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<td>Assets held for investment</td>
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TOTAL ASSETS $72,717

LIABILITIES AND NET ASSETS

LIABILITIES:

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<th>Liability Description</th>
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<td>Current Liabilities</td>
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<td>Long-term liabilities</td>
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NET ASSETS:

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<tr>
<td>Without donor restrictions:</td>
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<tr>
<td>Unrestricted</td>
<td>31,389</td>
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<tr>
<td>Designated by the board</td>
<td>1,213</td>
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<tr>
<td>With donor restrictions</td>
<td>38,510</td>
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TOTAL LIABILITIES & NET ASSETS $72,717

CHANGE IN NET ASSETS FOR THE YEAR $3,923

To review the National Tropical Botanical Garden’s 2019 Financial Statement, please visit our website at: http://ntbg.org/about/financial-information
NTBG is the only botanical garden chartered by the United States Congress. Established in 1964, the Garden is dedicated to the preservation and survival of tropical plants, emphasizing rare and endangered species. NTBG is a 501 (c)(3) nonprofit corporation. We are not operated or subsidized by the federal government, and we rely on the much-appreciated support of members and donors like you to fulfill our mission.