

Friends of Brisbane Botanic Gardens & Sherwood Arboretum

ABN 20 607 589 873 Connect - Promote - Protect

Lilygram

Newsletter

Issue 2, March 2016

Let's be friends...

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Management Committee

Mary Jo Katter (Director) Arno King (Director) Jeannie Sim (Director) John Taylor Bettina Palmer & Fay O'Sullivan (Volunteer Guides) Catherin Bull Paul Plant and Dale Arvidsson (ex officio as Curator of both BBGs)

Newsletter Editor:

Jeannie Sim



Check out lovely blooms in November [MJK]



DELECTABLE PLANT TREASURE: Sacred Lotus, ponds near Administration Building, at Mt Coot-tha Botanic Garden (J Sim 5 March 2016).

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EDITORIAL

Welcome to our second issue!

Our regular newsletter will be sent out by email to all connected members and available on our website. We'll print out a colour copy for the MCBG BCC library to share around as well. The intention is to publish quarterly issues: March, June, September, and December 2016, and beyond.

And since there were no complaints received about the name of newsletter, **Lilygram** it is!

- Jeannie Sim

GOVERNANCE

Funding priorities

Exciting news came in January, with the arrival \$75,000 donated by Brisbane City Council. We plan to use that money wisely to kick start operations that will also raise more money and gain more members. For example, our corporate branding, website, social media contacts all need to be put on a professional footing. Jim Dobbins has been magnanimous with his pro bono graphics and media design for us and we thank him for all his help and patience. Paul Plant has come on board the Management Committee and steering promotions and publicity efforts.

Annual General Meeting

We decided against that Special General Meeting in April and will focus on working as a team of initial Directors until we stage the first AGM in August.

Making things Happen

Now we have reached accord with Friends of Sherwood Arboretum, we are forging ahead with events and activities. However, we still need people to do things, organise events, activities and so on.

Please put your hand up if you can help. The first priority is getting the Growing Friends established. Please contact info@fbbgsa.org.au if you want to be part of this activity group!

- Mary Jo Katter.

New Members!

Each quarter, we'll greet and welcome all the new folks to join our gang!

December:

Darryl Mills, Anne Cullinan, Anita Armstrong, Mario Rey-Conde and Marjorie Shackleton.

January:

Leona Romaniuk and Judy Haines.

February:

Sally Hunter and Amanda Meads.

March:

Paul Harrop.

This new column will highlight any new blogs or books or magazines that are interesting (or even exciting!).

Tim Entwisle tweets!

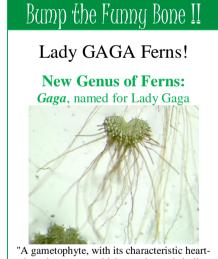
Tim is a botanist and currently Director and Chief Executive, Royal Botanic Gardens Victoria.

https://www.rbg.vic.gov.au/staff/prof-timentwisle/prof-tim-entwisle

Tim Entwisle is also an eager blogger http://talkingplants.blogspot.com.au/ and tweets on twitter https://twitter.com/timentwisle

He also recently published a thoughtprovoking proposal to rename our Australian seasons and add 2 more! Entwisle, Tim 2014.

Sprinter and Sprummer: Australia's Changing Seasons. Clayton, VIC: CSIRO publishing.



shaped structure, which was deemed similar to Gaga's wardrobe during her performance at the 2010 Grammy Awards'

You have been warned! https://en.wikipedia.org/wiki/Gaga_%28genus%29

New SOURCES! INSTAGRAM news FACEBOOK news

Another social media outlet has been established. If you are on Instagram please check out our new account: @brisbanebotanicgardensfriends





WEBSITE news

www.fbbgsa.org.au



Another launch achievement was the creation of our first website, designed by Jim Dobbins with Mary Jo Katter advising and representing the wishes of the Steering Committee.

We are still adding and correcting this face to the world, but the important membership application function is well and truly functional! We use PayPal to safely gather funds and information. Please drop in regularly to see what's new!

Future pages are planned and if you have any ideas or requests please let us know at the usual address:

info@fbbgsa.org.au

Our three media outlets have these common intentions.

PURPOSES:

- (1) to promote our three botanical treasures by frequent postings of photographs with commentary
- (2) to connect with like-minded organisations and individuals and celebrate all things botanical.

Contributors:

Currently, Jeannie Sim and Mary Jo Katter are doing most of the posting!

More contributions are avidly sought! Please send in any "ipgs" to the info@fbbgsa.org.au address! Already two student volunteers from OUT's landscape architecture course have signed up to keep watching briefs over one treasure or another. I will get more! And these guys can really take photos (with proper cameras and everything)!

SUGGESTED TOPICS:

- newsy stories
- what's flowering / fruiting
- botanical oddities / absurdities
- wildlife (non-human sorts)!
- heart-stopping works of nature
- jaw-dropping scenery! And so on.

POSTCARDS

Voices from the past

This new section presents historic postcards related to one or more of our botanic treasures. This time it is the former bush-house in the Old Brisbane Botanic Gardens in 1912.

The written descriptions are as informative as the images! The giant clam-shell fountain (and notice the plinth of coral underneath) is a wonderful surprise! I had not realised that Philip MacMahon had created such a fountain in his lovely bushhouse, or maybe it is the work of the next Director, J.F. Bailey. Intrigue!

Transciptions:

(1) Dated 29 September 1912

This was taken by Mr Justins one Sunday morning, In the Botanic Gardens Brisbane; the Background is natural, Various species of Ferns, Orchids, Palms etc., just the kind of place you would like for a Rockery. I always think of John when I see all these pretty places. Love from [?] Jinn.

(2) Dated 29 September 1912

This is another pretty place in the Bush House, Botanic Gardens, the shell is a spraying fountain, with Maiden Hair Fern too lovely to describe; all round, it is a perfect picture to look at, wish you could see it. The weather is perfect now. Would'nt [sic] it be nice if you could get things to grow in the garden at home like this. Love from [?] Jinn.

Can you make out the name of the author? My guess is either Finn or Jinn, but neither seems quite right. If there are postcard collectors out there who know more about local providers, I would love to hear from you.

Do you have any postcards of OBBG or MCBG? Did they ever make one for Sherwood Arboretum (aka. Sherwood Forest Park)? We'd love to share the knowledge (and stories)!

Source:

JSim Postcard Collection Acquired 25 May 2015.





Postcard (1)

CORRESPONDENCE. OF ADDRESS ONLY.

This is another proof place in the broads

House, Bo dame Gardeno, the shell is a

spraying Tountain, with Maiden Hairken

too lovely to describe; all round, it is

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grow in the garden at home like this love from

grow in the garden at home like this love from



Postcard (2)

PLANTspeak

Tropical Fig Trees Ficus spp.

Family MORACEAE

Did you now that the Old Brisbane Botanic Gardens in the City has an impressive collection of old fig trees?

The 1994 census recorded 80 Ficus specimens none of which were the common fig Ficus carica!

At that time, the list included:

Ficus baileyana

Ficus benghalensis [#10, #40, #327]

Ficus benjamina

Ficus drupacea var. drupacea

Ficus elastica cv. Variegata

Ficus laurifolia

Ficus macrophylla

Ficus microcarpa

Ficus nehbudi

Ficus obliqua

Ficus parcelli

Ficus platypoda

Ficus religiosa [#107]

Ficus sycomorus

Ficus truncata [#1210]

Ficus virens

Ficus virgata var. virgate

Ficus watkinsiana

And several other species (unnamed).

All Measurements taken 1994. Time for a new census! DBH = trunk diameter at about 1.2m off ground.



OBBG Tree Survey #0049

Ficus benghalensis

Indian Banyan

on Alice Street boundary (JSim 2004)

Origin: from India & Pakistan.

H 20.7m x W 30m x DBH c.13m

Planted between 1864-1874 with the other Alice Street boundary trees so as to enclose the former Queens Park. This tree shows the action of its aerial roots as they rip apart the 1865/85 cast iron fence and stonewall and head west across the footpath. Calcutta Botanic Gardens has a banyan planted 200 years ago covering over 1.6 ha.

Nickname: THE INVADER!



OBBG Tree Survey #0327 Ficus benghalensis

Indian Banyan

near QUT boundary, opposite U Block (JSim 2014) Origin: from India & Pakistan.

H 20.4 x W 35m x DBH c.13m

Planted in the 1870s along the boundary with the Domain of Old Government House, this is one of three thriving banvans in the Gardens. These trees are sacred to Hindus who believe Brahma was transformed banyan, which retains his spirit. These trees live long and grow very large as the aerial roots from branches stretch down to the ground, take root and become new trunks. Traditionally, the Indian merchant caste, called the Banians, set up their market stalls beneath the protective canopy.

Nickname: SCHOLAR'S BANYAN



OBBG Tree Survey #0107

Ficus religiosa

Peepul; this is a Bodhi tree

Near Rotunda (JSim 2005) Origin: from India to SE Asia.

H 25.2m x W 42m x DBH 2.2m

Planted in the 1870s, this is another sacred tree, also known as the tree of wisdom. Buddha was meditating under a Peepul tree when he achieved enlightenment. The Hindus believe the deity Vishnu was born under a Peepul. This fig is one the few deciduous trees in the tropics, losing its leaves for a short time at the end of winter but quickly regaining a lush canopy. The lateral growth of our specimen has made intervention by an arborist

necessary: the props are vital to hold up the massive branches. The oldest living plant of known planting date in the world is a Ficus religiosa tree called the Sri Maha Bodhi planted in the temple at Anuradhapura, Sri Lanka by King Tissa in 288 BCE. The OBBG specimen is a cutting from this ancient Sri Lankan tree which is a cutting off the original tree where Buddha rested.

Nickname: OUR BO TREE!



OBBG Tree Survey #1210

Ficus retusa

Fig

syn. Ficus truncata

on Alice Street boundary (JSim 2004) Origin: from India to Southeast Asia.

H 21.9m x W 39m x DBH 4.8m

This fig interesting has an identification history and can be confused with F. microcarpa. It was identified as F. truncata in 1994. This fig was planted about the 1870s and was a huge tree in the photographs (dated between 1902 and 1910) when its generous shade was used to shelter al fresco dining for the adjacent second kiosk (burnt down 1910). It has long been a favourite place to mark a visit by lovers with hearts, dates and initials covering much of the distinctive close curtaining of aerial roots. It has one of the widest canopies in the Gardens.

Nickname: BIG FIG!



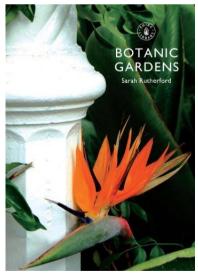
Banyan (#0049) close-up of roots! Truly AWESOME!

History EXPOSÉ

Botanic Gardens: purposes & arrangements

By Jeannie Sim

Writing histories and investigating the purposes of botanic gardens have been undertaken for many decades by a range of scholars. Currently available publications include some generously illustrated accounts of famous places in colourful coffee-table formats and discrete little booklets full of data and scholarly interpretations. I prepared an illustrated lecture for my landscape architecture history students that I will share with members of the foBBGSA in the near future. Apart from the historical development of living plant collections I have some unusual insights into the sorts of collections and the arrangements of plant displays that resonate with the landscape designer within.



Excellent history reference (2015) from Shire publications (in Bloomsbury group) http://www.bloomsbury.com/au/botanic-gardens-9780747814443/

The purposes of public botanic gardens have changed over time but the key constant has been scientific enquiry. At first the collection of living plants and

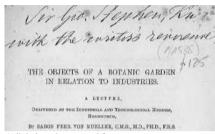
their supporting dried plants collection called a herbarium, was targeted at training medical professionals, including apothecaries and doctors. As European empire expansion developed in the 18th and 19th centuries, the purpose of displaying and testing new plants was strongly linked establishing new economic industries at home and in the colonies. The usefulness of plants is critical to human survival on many levels, not just as food sources. The age of economic botany peaked in the 19th century but remains a feral treasure house of opportunities. Today the thrust of human survival is linked with climate change and loss of biological diversity at a global level of scale. Botanic gardens in the early 21st century are often focused on ex-situ conservation of rare plant species and supporting emerging nations to conserve their national and natural resources in-situ. Today, botanists are still focussed on usefulness of plants, with ethnobotany providing essential insights into indigenous use of plants.

However, this article serves as companion piece to my talk on botanic gardens in history and it reveals some earlier sources on this topic, namely two intriguing papers written in 1871 and 1915 by directors of botanic gardens. Today we enjoy the benefits of digitised historical documents that allow ready access to rare and far away originals. In this way, scholars and enthusiasts can readily read these accounts. Check out the citations at the end of this article.

Von Mueller and Hill were neither landscape designers nor garden historians but botanical scientists and yet their ideas about plant collections have influenced botanic collections and our understanding of their objects or purposes ever since.

Baron Ferdinand von Mueller (1825-1896) was director of the Botanic Gardens, Melbourne (1857-1873) as well as the Government Botanist of Victoria. He was asked to deliver a lecture at the Industrial and Technical Museum Melbourne in 1871 and his essay was published later under the title "The Objects of a Botanic Garden in relation to Industries". Over 38 pages in length (now that's a lecture!), von Mueller demonstrated in this essay all the useful purposes humans have found for plants and their products

beyond vital food sources. This area of economic botany is fascinating and makes particular sense to practical politicians when curators have to justify the importance of botanic gardens and botanical research.



A digital version sourced from: http://trove.nla.gov.au/work/13734142?selectedversion= NBD5679472

Von Mueller considered education of visitors to be a vital function of botanic gardens so he stressed displaying collections that assisted in learning about plants and science in general and specifically about useful plants. Fundamental to this educational outcome was labelling plants and providing a System Garden, which was a collection of living plants (typically herbaceous or juvenile plant forms) sorted into taxonomical groups, such as families. Their visual character tended to be utilitarian, like a well ordered Kitchen Garden. The content of System Gardens or Order Beds changed as taxonomical systems evolved, but the utilitarian character remained constant. RBG Kew still has a large System Garden.

An intriguing note in von Mueller's "The Lecture was essay reads: illustrated by a large number of growing Plants of industrial value, also by numerous Products and Educts derived therefrom [substances extracted chemically], as well as by various Museum Plants [?herbarium specimens], Physiognomic Pictures of Vegetation and other Drawings." Such a wealth of tangible material would have made that lecture interesting.

At Brisbane Botanic Gardens, Walter Hill collected and had prepared displays of timbers from Queensland rainforests that were used in various International Exhibitions (and won awards) and this collection finally rested in the BBG Botanical Museum. Many items moved with the position of Government Botanist in 1880 as Frederick Manson Bailey took over from Walter Hill. The building itself lasted until the 1960s when the DPI

moved the Queensland Herbarium to Indooroopilly. Tracking down this timber collection is a worthwhile target for anyone with historical detection skills. If it is lost, wouldn't it be wonderful as a project for our Friends group to remake this display set?

Sara Maroske in the Oxford Companion to Australian Gardens (2002,143) hinted that von Mueller believed gardeners could be 'slaves to fashion' when it came to arranging plants and that scientists could do a better job at laying out botanic gardens. There are some interesting stories about the change over from von Mueller to William Guilfoyle at RBG, Melbourne in 1875. Guilfoyle was charged with making the place more acceptable to visitors and set about redesigning the layouts and plant collections that von Mueller had established. For more behind this story, please read the excellent article by Janet Heywood on "marginalia" (comments in margins of published Guilfoyle's specifically works), comments on von Mueller's 1871 essay. Guilfoyle wanted both education and recreation in inspiring landscapes.

Arthur William Hill (1875-1941) was Assistant Director, Royal Botanic Gardens, Kew when he published "The History and Functions of Botanic Gardens" in the esteemed Annals of the Missouri Botanical Garden in 1915. His opening sentences are intriguing: "There are three things which have stimulated men throughout the ages to travel far and wide over the surface of the globe, and these are gold, spices and drugs." This is a reminder about the overt/covert motivations behind establishing botanic gardens in the colonies by British, Dutch, French or Portuguese Empire builders. Our Old Brisbane BG is no exception as a colonial establishment that tested and propagated plants for local colonists and also contributed to the wider RBG Kew network that spanned the British Empire.

The second half of Hill's paper contains descriptions of ways of displaying plants, usually based on educational requirements at different times, which he calls Functions of Botanic Gardens. This section provides many key observations about the arrangement of botanical collections. In most cases examples still exist in contemporary botanic gardens, while

the current emphasis on community support, sustainability, biodiversity and conservation has been added to or derived from these older formations.

It is important to remember that Ecology (understanding the whole floral and faunal assortment as an interconnecting system) was a new idea, having been first published in 1895 by Danish botanist Eugen Warming (*Oecology of Plants*).

In summary, Arthur Hill lists nine categories of plant collections:

1) Split arrangement

herbaceous plants within a physic garden originally and arboretum, both arranged scientifically according to current taxonomic categories

2) Morphological arrangement

collections of specific plant forms and properties, e.g. bulbous, fragrant, poisonous, prickly, etc. and these can blur easily into the themed category

3) Geographical arrangement

sorted into area of origin, e.g. American Gardens, Australian, Chinese, etc. but blurs into ecological collections of biomes or bioregions, e.g. Alpine Rock Garden, Mediterranean climates across the world, etc.

4) Ecological collections

Imitating naturally occurring plant formations or vegetation groups, e.g. in Australia: Freshwater Wetlands; Coastal Heath; Tidal wetlands; Dunes Headlands: Open Shrublands /spinifex understorey; Shrublands: Closed/Open Scrub & Heath; Open Woodlands; Woodlands; Open Forests; Closed Forest (Rainforest) tropical or temperate; Alpine Herblands; Herblands as listed in Read 1994.

5) Useful plants

(economic botany on display!) including food & drink sources for humans & stock; poisons to humans, animals, plants; plants yielding drugs, healing/cleaning agents; perfume-yielding plants; wearable materials (fibres & beads* for weaving, twining, sewing, crafts, jewellery); dyes for colouring fibres or paint; furniture & building materials; oils, waxes, gums, resins, tannins; and also sacred and ceremonial plants.

6) Fossil Gardens

originally samples of coal with plant fossils inside, but could be displayed with living plants that can be seen in fossil record, e.g. Wollemi pines, cycads, ferns, etc.

7) Chronological Borders

a record of exotic plant introduction relevant to a particular country.

8) Themed compartments

(everything else!) Often with distinctive names of garden types, e.g. **Bambooserie** for bamboos (French); Fernery: different ferns & their allies; Mossery/Moss House: different mosses and allies; Nuttery: plantation of nuttrees; Palmetum: palms or palm-like; Pinetum: conifers (pines, cypress; gymnosperms); Rosarium, or Rosary: rose garden; Succulentarium: for cacti and succulents; Carnivorous plants; Orchid Garden/House; Bog Garden; (Fresh) Water Garden; Rain Garden; Healing Garden; Teaching Garden, Poisonous / Dangerous plants, Butterfly garden, etc.

9) Plant Physiology

a favourite of Arthur Hill, but a mystery to me, since physiology is about the inner workings of plants and not easily put on display. I would love to get a botanist's opinion here.

However I can envisage another important category: design useful. These sorts of plants are the ones we landscape architects and garden designers use in various clever ways to provide spatial definition (walls, floors, ceilings), climatic amelioration (for shade: heavy, dappled or seasonal), for windbreaks, hedging, edging, feature specimens or sculptural effect or silhouette effect, for Cut flowers/foliage, for toxic soil or water remediation, and so on. These would be demonstration gardens of a design sort. Occasionally, you can find a botanic garden with a tapestry hedge, where suitable hedging plants are on display, but planting design displays are not common.

Don't forget to watch for the talk notice, coming soon!

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Read, Ian G. 1994. *The bush: a guide to the vegetated landscapes of Australia*.

Kensington, NSW: University of New South Wales Press.

*check out **Tagua** nut jewellery from hard seeds of certain palms (*Phytelephas* spp.)! See: http://www.oxfamshop.org.au/

Plant Collections for BBGs (hillside and riverside)!

When you consider a botanic garden as an educational opportunity beyond the shear enjoyment of plants and green spaces, what kinds of living plant collections would you like to visit?

Let's start making a list of wishes for our Brisbane Botanic Gardens!

I really want a **Fossil Garden** after seeing the Petrified Forest at Xianhu Botanic Garden, at Shenzhen, Guangdong Province, China. Mind you, I have a pronounced "grotesque sensibility" which others find ugly!



Xianhu Botanic Garden www.oktrips.com

Please send your comments and ideas to info@fbbgsa.org.au

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Coalition News!

FoSA and FoBBGSA

Our two Friends groups have come to an understanding where FOSA will become an honourary **Corporate Member** of FoBBGSA and their individual members are welcome to join for themselves and be eligible for election as Directors. This new category of membership will require a General Meeting to create.

We are stronger as partners with many common goals, and this way FOSA will be able to continue to provide on-the-ground service to Sherwood Arboretum. We look forward to closer ties in the future. I Sherwood arboretum

Brisbane's living treasure

FoSA News

Friends of Sherwood Arboretum

The trees are the 'stars' again!
Sherwood Arboretum has officially joined the ranks of Brisbane's two botanic gardens at Mount Coot-tha and the City.

After more than half a century of being managed as a park, Brisbane City Council has placed the Arboretum under the professional care of Mr Dale Arvidsson, Curator of Brisbane's Botanic Gardens.

Cr Matthew Bourke, Chairman of Council's Environment, Parks and Sustainability Committee, said that Mr Arvidsson was now responsible for the future care of the Arboretum's stunning tree collection.

"This will ensure that this 90-year-old Arboretum, which sits alongside the Mount Coot-tha and City Gardens in terms of its botanical significance, will receive a much higher level of professional care," Cr Bourke said.

"This is simply the right thing to do if we are to ensure Brisbane's heritagelisted Arboretum is to remain an inviting and valued treasure for many future generations of residents and visitors to enjoy."

The Arboretum's collection, which was previously managed by Council's Parks team, was last placed under the care of the Brisbane Botanic Gardens Curator for a short period in July 1957.

The Friends of Sherwood Arboretum Association and their many community supporters have warmly welcomed Council's decision which follows on the Arboretum's landmark 90th anniversary year in 2015.

Sherwood Arboretum was considered a pacesetter in Australia in the 1920s by its focus on native trees at a time when exotic trees from across the world were considered much more worthy of attention in our botanic gardens and arboreta.

One of the iconic features of the Arboretum is an avenue of 72 Queensland Kauri trees, planted by a wide cross-section of Brisbane's community to celebrate the official opening on 21 March 1925.

Today, the Arboretum's collection includes more than 1000 Australian native specimen trees.

The Arboretum offers visitors a wonderful choice of experiences with its sweeping river vistas as a perfect backdrop for picnics and walks and a wetlands teaming with birdlife.



Cr Bourke (left) and Dale Arvidsson share the good news with Sherwood State School students Ruby, Sophia, Zac and Brendan.

— **Andrew Benison** (President) Email: <u>ilovesherwoodarboretum@gmail.com</u>

Where is Sherwood Arboretum?



School children's art (love it!): the mural at Sherwood Railway Station.

https://www.flickr.com/photos/brisbanebuses/95734094

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OBBG news...

160 years of OBBG: celebrating Walter Hill's Ideas

Dale Arvidsson has been able to share some of the rationale behind the recent tree planting that started in 2015 in the Brisbane Botanic Gardens, City. It's heartening to realise how much care has gone into this selection process.

"The anniversary of 160 years celebrates [Walter] Hill's original vision for the Gardens, helps rebuild lost collections and embraces opportunities to embellish and communicate cultural significance of this special place.

All new tree planting must be in accordance with the Conservation Plan, Master Plan and Vegetation Management Plan, and as such should:

- add to the cultural significance of the site by expanding or reinstating existing or lost collections.
- reinstate traditional patterns like avenues.
- emphasise the 'Tropicalian' character of the site
- not reduce or compromise open grassed areas and historic vistas because they are critical to the character, use and cultural significance of the Gardens

The following ideas will be developed to create relevant statements and (future) interpretative opportunities:

ECONOMIC PLANTING

In the 1875 catalogue of plants, 30% of all plants in the Gardens were economic plants including plants for food, cropping, medicine, textiles and dye. Today the majority of these plants are absent. Fruit trees will be reintroduced in the Middle Gardens.

INDIGENOUS PLANTS

Hill collected many indigenous plants and trialled them in the Gardens. Although there are still native plants in the Gardens there is no dedicated display of indigenous plants or Bush Tucker. The Queensland Border and Rainforest will be embellished with native mid-storey trees.

GUAVA COLLECTION

Over time much of the Guava collection has been lost and only one tree remains. Additional specimens will be planted to return this unique collection to the Gardens.

PALM COLLECTION

Many palms have flourished in the palm garden, however, less common specimens have been lost and the current collection will be expanded to create a more complete collection of world palms. An 'ethnobotanic palm avenue' linking the Formal Garden to the Camellia Arbour, will be planted.

PINETUM

Walter Hill planted a collection of Pines and Conifers along the border with Queens Park. Many specimens were lost after the floods in the late 1800s and have not been replaced. The collection will be expanded as part of the 160 year celebrations into a great gymnosperm collection.

COMPARTMENT A - DOMAIN

- Add shade and colour and a sense of entry to the Goodwill Bridge Plaza using native species.
- Reinstate riparian vegetation to stabilise the riverbank.

COMPARTMENT B - RAINFOREST

- Limited replacement of species that are in decline.
- Improve the Gardens entry between QUT and the Gardens Club Kiosk [former Curator's Cottage].

COMPARTMENT C - KIOSK SURROUNDS

• Add to the Queensland Border East

COMPARTMENT D - WESTERN AREAS

- Consolidate the palm collection.
- Reinstate the Guava collection and extend the area to include other fruit trees.

COMPARTMENT E - MIDDLE GARDENS

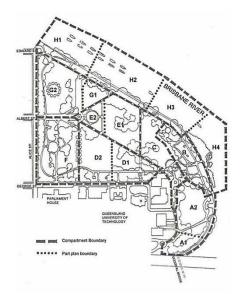
- Create an economic palm avenue.
- Provide definition around the flower garden.
- Add complexity to the Queensland Border Mid East.

COMPARTMENT F - LAGOONS

- Reinstate palm avenue.
- Upgrade the conifer and pine connection.
- Infill the line of figs along Alice Street.
- Reinstate lost specimen trees.

COMPARTMENT G - NORTHERN AREAS

- Reinstate the 'tropicalian' woodland canopy.
- Provide additional playground shade.
- Add planting to the Queensland Border.
- Replace Alice Street border specimens that are in decline."



Plan of All Garden Compartments (pg 36 in the *Conservation Plan Review 2005*). Who do you blame for this compartmental categorisation? The author of the *1995 Conservation Plan* of course (me! Dr. Jeannie Sim).



Broad overview of 160th Anniversary tree plantings.

We will arrange a guided tour soon so the Volunteer Guides can show us a selection of these new trees.

Meanwhile, Dale provided the full list of species to be planted (see next page). He also provided a detailed explanation of 14 extra special trees which we will add to the website for your reading pleasure!

Brisbane City Botanic Gardens

FULL SPECIES LIST (116 species forming 160 specimens):

Albizia julibrissin 'Rosea' Axehandlewood Aphananthe philippinensis Black Pine Sundacarpus amarus Black Plum Diospyros australis Blue Lantan Palm Latania loddigesii Bombax Bombax costatum Bottle Palm Hyophorbe lagenicaulis Brown Pine Podocarpus fasciculus Brown Silky Oak Darlingia darlingiana Browns Aglaia, Boodyarra Aglaia brownii Brush Box Lophostemon confertus Bumpy Satinash Syzygium cormiflorum Buri Palm Allagoptera caudescens Callicoma Callicoma serratifolia Cape Chestnut Calodendron capense Celerywood Polyscias elegans Champagne Palm Hyophorbe indica Chestnut Castanea sativa Cliff Date Palm Phoenix rupicola Pecan Nut Carva illinoinensis Coconut Cocos nucifera Cocos 'Malay Dwarf' Colvillea Colvillea racemosa Cooktown Fan Palm Livistona concinna Corduroy Tamarind

Mischarytera lautereriana Crepe Myrtle Lagerstroemia 'Natchez' Crystal Creek Walnut Endiandra floydii Dacrydium pectinatum Daintree Penda

Lindsayomyrtus racemoides
Desert Fan Palm Washingtonia filifera
Dragon Tree Dracaena arborea
Dypsis onilahensis
Eungella Tamarind

Sarcotoechia heterophylla Fairy Paintbrushes

Archidendron grandiflorum
Flecker's Hard Alder Neostrearia fleckeri
Florida Thatch Palm Thrinax radiata
Flowering Plum Prunus × blireaena
Forest Red Gum Eucalyptus tereticornis
Giant Ironwood Backhousia subargentea
Grease Nut Hernandia bivalvis
Guava: Psidium littorale 'Yellow Cherry'

and 'Red Cherry', *Psidium guajava*'Thai White', *Psidium guineense*Brazilian guava

Hawaiian Fan Palm *Prichardia* hildebrandii

Heart Leaved Bosistoa Bosistoa transversa Jacaranda Jacaranda mimosifolia and Jacaranda mimosifolia 'Alba' Jamaican Thatch Palm Thrinax parviflora

Jamaican Thatch Palm *Thrinax parviflora* Japanese Yew

Podocarpus macrophylla 'Maki'
Kapok Ceiba pentandra
Large-leaved Wilkea Wilkea macrophylla
London Plane Tree Platanus × acerifolia
Macadamia Nut Macadamia integrifolia
Malabar Chestnut Pachira aquatica
Mango Mangifera indica 'Kensington
Pride'

Marojejya darianii Marojejya insignis Maya Palm *Gaussia maya*Monkey Puzzle Tree *Araucaria araucana*Moore's Kauri *Agathis moorei*Mountain Araucaria *Araucaria montana*Mt Spurgeon Plum Pine *Prumnopitys ladei*Mulberry *Morus alba* 'Chaparral' *Myrsine* sp.

Muttonwood Myrsine variabilis Myrtle Ebony Diospyros pentamera Nageia fleuryi

Native Almond *Bosistoa pentacocca* Native Tamarind *Diploglottis australis* Northern Davidson's Plum

Davidsonia pruriens
Northern Lancewood Dissiliaria indistincta
Oil Palm Elaeis guineensis
Old Man Palm Coccothrinax crinita
Olive Olea europaea
Pacific Kauri Agathis vitiensis
Peanut Tree Sterculia quadrifida
Pine Mountain Coral Tree
Erythrina numerosa
Pink Dogwood Cornus 'Eddies White

Pink Shower Cassia javanica
Podocarpus neriifolius
Poinciana Delonix regia
Prickly Ash Orites excelsus
Queen Palm Syagrus romanzoffiana
Queensland Kauri Pine Agathis robusta
Oueensland Tree Waratah

Wonder'

Alloxylon flammeum
Raosy Palm Dypsis scottiana
Red Cedar Toona ciliata
Red Kauri Agathis corbassonii
Red Lantan Palm Latania lontaroides
Red Oak Carnarvonia araliifolia var.
montana

Red Silk Cotton Tree Bombax ceiba Rose Tamarind Arytera divaricata Rule's Araucaria Araucaria rulei Rusty Silky Oak Darlingia ferruginea Sago Palm Metroxylon warburgii Sand Palm Allagoptera arenaria Satake Palm Satakentia liukiuensis Smooth Davidson's Plum

Davidsonia johnsonii Smyrell's Clausena Clausena smyrelliana Southern Davidson's Plum

Davidsonia jerseyana
Sugar Palm Arenga pinnata
Synima Synima cordierorum
Tamarind Tamarindus indica
Tree of Gold Barklya syringifolia
Tulip Satinwood
Rhodosphaera rhodanthema
Weeping Cabbage Tree Palm
Livistona decora
Whalebone Tree Streblus pendulina
White Bauhinia Lysiphyllum hookeri
White Beech Gmelina leichhardtii

White Bauhinia Lysiphyllum hookeri
White Beech Gmelina leichhardtii
White Cyperus Callitris glaucophylla
White Tamarind Cupaniopsis baileyana
Whitsunday Hoop Pine Araucaria
cunninghamii (glaucous form)
Yellow Mangosteen

Garcinia xanthochymus Yellow Tulip Drypetes deplanchei Ylang Ylang Cananga odorata



Mary Jo Katter and Jeannie Sim helped Dale Arvidsson plant this *Dracaena arborea* (on 21 December 2015). Location is in Old Government House Border.



And here she is in January 2016, the Queen of the border next to the very old Ponytail palm. QUT's X block and Gardens Theatre is in the background.



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Visitor Centre

Brisbane Botanic Gardens, Mount Coot-tha

BIG NEWS!

Brisbane City Council has a proposal for a new Visitor Information Centre (VIC) at the Development Application stage and therefore in the public realm for all to peruse. You can download all the documents from the PD online website (below). Here's a summary.

Where is it to be located?



SITE PLAN - PROPOSED PUBLIC CAR PARKING

The new 'entry' into the MCBG will be through the Visitor Information Centre located between the Planetarium and the Restaurant at the edge of the carpark (coloured orange in this aerial view). The Admin/Library/Auditorium complex is on far left.

What does it look like?



The understated minimal design uses the familiar Mt Coot-tha bluestone that blends well with the existing curved retaining walls in this location and across the while MCBG. There is an existing line of mature palms (Washingtonia robusta) that will provide a fine planted accompaniment to the building. Great care has been taken to provide accessible paths up the slopes to the building platform, which has one floor level.



Overall Site plan shows the new building abutting the carpark near the Planetarium.



Elevations show the building settling into the landscape discretely with shady eaves and friendly surfaces of warm timber and rugged stone.

What will the building provide?

There is inbuilt flexibility for various future possibilities. The Volunteer Guides will finally have a useful and effective space to run their important greeting and guiding operations. There will be ample display spaces for interpretation material and lots of rain/sun shelter and seating under wide eaves and awnings.



The new waiting shelter and gently ramped access path up from carpark to building will be very useful for visitors arriving by coach or car. This is only a snapshot of the possible uses of the facilities. Please refer to the proposal documents for more information.

For Context: Existing Site Views (JS photos 5 March 2016):



Mature *Washingtonia* palms make a great entry statement. Their height makes capturing them in a photo difficult, but they look spectacular as a tree silhouette and visible from far away in the carpark.



This lovely nook under an old gum tree will be a useful open grassed space near the proposed VIC. Most of this outer curved wall will be retained as will the gumtree and surround.



This old shelter shed will be removed and the proposed new building constructed on one of the few flat areas on site.

— Jeannie Sim

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https://pdonline.brisbane.qld.gov.au/masterviewUI/modules/ApplicationMaster/default_aspx?page=wrapper&key=A004333980

Some screenshots of the PDFs where taken to illustrate this article.

Volunteer Guides News

By Bettina Palmer

Australasian Conference of Volunteer Guides in Botanic Gardens Sydney 21 – 25 September 2015

It was a cold, dark, rainy week that greeted visitors to Sydney's Royal Botanic Gardens at the tail end of a wonderful temperate Spring bounty. Of course, the northerners stood out because they did the most gaping at the magnificent beds of tulips, lilacs, rhododendrons, wisteria, peach and cherry blossoms.

A biennial gathering of representative Volunteer Guides from 16 City and Regional Botanic Gardens from around Australia and New Zealand have been meeting in a different host city since 1997. Prior to that Melbourne and Adelaide had been exchanging notes and companionship for some years before to extending the invitation nationally and further extending to New Zealand in 1991.

The 122 delegates were treated to presentations and attended discussions in the Auditorium of the Museum of New South Wales, broaching subjects as deep and meaningful as: the purpose of a botanic garden; the challenges and relevance in a changing environment: seeking finance; climate change; technical advances in communications, genomics, and data collection; as well as training and partnerships.

Guided walks and workshops included the History of RBG Sydney (celebrating 200 years in 2016); Indigenous Plant Use; Food Foraging for Early Settlers; Native Fauna; Geology and Geography; a brilliant introduction to the works of Artist in Residence Charlotte Thodey; a lesson in Cabbage Tree Hat Weaving; and a day at the Mt. Annan Annex with a special tour of the Millennium Plant Bank.

The local Friends of the RBGS and Domain Trust also offered a Post-Conference Tour over 3 days, of the New South Wales South Coast and Hinterland.

This tour included several small Regional Botanic Gardens, local Rainforest Reserves and some private properties including Arthur Boyd's property at Bundanon, gifted to the public to inspire Australian Artists.

As ever, it was the networking and camaraderie that these events generate; leaving each registrant with a renewed vigour for offering their extended knowledge as well as current and enthusiastic engagement with the visiting public of their own Botanic Gardens.

The next Guides' Conference will be hosted by the ANBG in Canberra in 2017 following their "Floriade" with Perth planning to host in 2019.

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LEFT: Spring Flowers at RBG Sydney. LEFT: Brisbane Delegates in 2015 to the 14th Australasian Conference of Volunteer Guides in Botanic Gardens. From L to R: Hazel Wood, Margaret Prentice (President), Merilyn Neale (Admin) Bettina Palmer (Liaison) and Sue Ogilvie (absent: Fay O'Sullivan photographer).

If you are interesting in joining our Volunteer Guides (who service both the City BBG and Mt-Coot-tha), here are the contact details:

Email

BotanicGardens@brisbane.qld.gov.au or telephone Council on 07 3403 8888.

TAKE A GUIDED TOUR!

There are two walks every day except Sunday: at 11am and 1pm and each lasts for an hour. They are free and individuals can just turn up at the Rotunda in the city or the Information Kiosk at Mt Coot-tha a bit beforehand.

FoBBGSA plans to organise special guided tours for members in the future. These would target particular interests, e.g. historic plants, new plantings, birds, artwork, and so on. Please let us know if these topics or anything else tickles your fancy!

BIG MAY EVENTS!

Botanique Art Bazaar

May 24 until May 29, 2016 at the Richard Randall Art Studio, located in the Brisbane Botanic

Gardens Mt. Coot-tha Road, Toowong.



The work of thirteen artists working in textiles, ceramics, jewellery, paper and mixed media, offering interpretations of the natural environment will be exhibited and offered for sale for one week in May. Proceeds will go to the Friends of Brisbane Botanic Gardens and Sherwood Arboretum.



Of special interest, will be the new work by Brisbane artist Sue Mansill "The Essence of Brisbane". Painting in watercolour, pen and wash, her impressionistic style has developed from a love of *Pleine Aire* painting. Sue chooses to paint outdoors with real life moving around her, each scene continually changing, new elements coming in and out of view. She works quickly to select what is committed to paper, resulting in a crisp minimalism. Her paintings leave something to the imagination of the viewer. "Brisbane is a wonderfully liveable city. Beautiful and vibrant, changing with the seasons. It is a delight and a challenge to try to capture the essence of our city in watercolour." Sue added, "Our last jacaranda season was a particularly good one, I just wanted to get out there to the parks and promenades to get it down on paper."

Admission is free. Carparking is free! All Enquiries to: **Bettina Palmer** Mob: 0405 402 340

OPEN EVENING

6pm, Thursday 26 May 2016 at the Brisbane Botanic Gardens Mt. Coot-tha Road, Toowong.

Dale Arvidsson will be speaking at the evening function at Brisbane Botanic Gardens, Mt Coot-tha. Watch out for other events to mark the inaugural **National Botanic Gardens Open Day** (www.botanicgardensopenday.org) of BGANZ [Botanic Gardens of Australia and New Zealand].

The Friends of BBGSA plan to be part of this event and take this opportunity to launch our calendar of events and activities properly!

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We will be sending out notices by email for the individual monthly TALKS (once a month for April through to October), confirming lecture topic, speaker, location and dates. Please come along!



Tolerance and kindness, and compassion are great gifts to give & receive.

OUR ACTIVITIES

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At glacial speed we are making headway! Our current targets are six major areas of interest to get moving in 2016. They match up with most of the interests members have nominated in their application forms, but we can always refine and improve!



TALKS

We will host educational lectures and forums to feed our members' curiosity and thirst for knowledge!

WALKS

We see lots of opportunities for guided visits to our own sites, special private gardens, allied nearby botanic gardens and special events like the Toowoomba Carnival of Flowers.

GROWING / GARDENING

We are trying to get this group underway but with no available nursery space at MCBG, we are languishing. However, let's get a register of interest and some leadership nominations! Please contact info@fbbgsa.org.au to sign up!

NEWSLETTER (4 issues per year)

At the moment, we will publish the newsletter using the email system for distribution of a PDF version. We thought it too wasteful of precious resources to do a print run and post it.

SOCIALS (3 plus more!)

So far we have identified several fundraising events that link art and plants in a big way, for example Bettina Palmer's "Horti-Couture" night and her art/craft sales events called Botanique Bazaars. That's for starters!

What else would you like to see us doing?

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2016 CALENDAR for FoBBGSA

Friends of Brisbane Botanic Gardens & Sherwood Arboretum www.fbbgsa.org.au

JANUARY	Qld School Hols to 25 Jan	JULY	
Friday 1 Jan	New Year's Day	tba	TALK #4
Tuesday 26 Jan	Australia Day	5 – 10 July	Hampton Court Garden Show
FEBRUARY	•	5 – 10 July	Pastel Society of Australia @ MCBG
6 – 7 February	International Cordyline Soc. Show @ MCBG	8 – 10 July	QLD GARDEN EXPO
Sunday 13 Feb	Compost and Worm Farming (Ngaire	16 – 17 July	John Oxley Orchid Society Show @ MCBG
9.30-11.30am	Gilligen) Kitchen in Garden @ MCBG	tba	Sculpture Walk in OBBG
12 – 14 Feb	Aspley Orchid Society Show @MCBG	22 – 24 July	Creative Glass Society Show @ MCBG
Tuesday 23 Feb	Compost and Worm Farming (Ngaire	Sunday 31 July	Planetark National Tree Day
9.30-12.30pm	Gilligen) Kitchen in Garden @ MCBG	23 - 31 July	SINGAPORE GARDEN EXPO
Saturday 27 Feb	Begonia Society of Qld Show @MCBG	Sunday 30 July	Compost and Worm Farming (Ngaire
Saturday 27 Feb	Sustainable Gardening (Ngaire Gilligen)	9.30-11.30	Gilligen) Kitchen in Garden @ MCBG
9.30-12.30pm	Kitchen in Garden @ MCBG	31 July	Qld Camellia Society Show @ MCBG
MARCH		AUGUST	
12 – 13 March	IPSWICH PLANT EXPO	tba	fBBGSA AGM
12 -13 March	Palm and Cycad Soc. Aust. Show @ MCBG	tba	TALK #5
16 – 20 March	Melbourne Int'nal Flower & Garden Show	4 – 7 August	Watercolour Society Show @ MCBG
19 – 20 March	West Brisbane Orchid Soc. Show @MCBG	Saturday 13 August	Sustainable Gardening (Ngaire Gilligen)
Late March	fBBGSA Newsletter issue #2 ©	9.30-11.30	Kitchen in Garden @ MCBG
25 – 28 March	EASTER	13 – 14 August	Woodturners Society of Qld Show @MCBG
26 - 27 March	Qld Orchid Society Show @ MCBG	Tuesday 16 August	Grow it, Cook It, Compost It (Ngaire
25 Mar - 10 April	SCHOOL HOLIDAYS QLD	9.30-11.30	Gilligen) Kitchen in Garden @ MCBG
APRIL		Wed 17 Aug ????	EKKA Day Bettina's thingy at Ekka
	TALK #1 "Botanic Gardens in	20 – 21 August	Sogetsu Ikebana Qld Show @ MCBG
tba	History" (Dr. Jean Sim)	Saturday 27 August	Cooking with Fresh Seasonal Produce
9 – 10 April	Bimer Bonsai Club Show @ MCBG	9.30-11.30	(Ngaire Gilligen) Kitchen in Grdn @ MCBG
16 – 17 April	Qld Council of Garden Clubs @ MCBG	27 – 28 August	North Brisbane Orchid Soc. Show @MCBG
Saturday 14 April	Grow it, Cook It, Compost It (Ngaire	SEPTEMBER	THORET ENGLAND CHAING COO. CHOW COMODO
12-3pm	Gilligen) Kitchen in Garden @ MCBG	tba	TALK #6
MAY		3 – 4 September	Bonsai Society of Qld Show @ MCBG
tba	TALK #2	10 – 11 September	West Brisbane Orchid Soc. Show @MCBG
20 April – 1 May	Bris. Visual Arts Community Show @MCBG	16 - 25 Sept	Toowoomba Carnival of Flowers
Sunday 1 May	Compost and Worm Farming (Ngaire	17 – 18 September	Native Plants Qld (SGAP) Show @MCBG
9.30-11.30	Gilligen) Kitchen in Garden @ MCBG	24 – 25 September	Geranium & Pelargonium Soc. Show @MCBG
Monday 2 May	LABOUR DAY	Late-September	fBBGSA Newsletter issue #4
7 – 8 May	Qld Rose Society Show @ MCBG	tba	Sculpture Walk in MBBG
Sunday 8 May	Mothers' Day Sustainable Gardening (Ngaire Gilligen)	OCTOBER	
Sunday 15 May 9.30-11.30	Kitchen in Garden @ MCBG	tba	TALK #7
mid-May	Open Private Garden visit	30 Sept – 1 October	Qld Rose Society Show @ MCBG
20 – 22 May	Brisbane Plant Collective Fair @ MCBG	1 – 9 October	SCHOOL HOLIDAYS QLD
last week May	National Botanic Gardens Week		"Horti-Couture" night! MCBG
24 – 28 May	Chelsea Flower and Garden Show UK!	Thurs 6 October	AUDITORIUM booked again!
		6 – 9 October	BRISBANE International Garden Show
Saturday 29 May	Cooking with Fresh Seasonal Produce	7 – 16 October	
Saturday 29 May 9.30-11.30	(Ngaire Gilligen) Kitchen in Grdn @ MCBG	8 – 9 October	Qld Orchid Society Show @ MCBG
	(Ngaire Gilligen) Kitchen in Grdn @ MCBG Floral Art Society of Qld @MCBG	8 – 9 October 11 October	Qld Orchid Society Show @ MCBG Arbor Day
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Application for Membership

Friends of BBGSA ABN 20 607 589 873

revised 24 March 2016 SURNAME TITLE: First NAME Mailing ADDRESS Postcode **SUBURB** State: Email Telephone/Mobile Please complete to help planning of Activities and Events: Your Age: ☐ Under 18 ☐ 18-29 ☐ 30-44 ☐ 45-59 ☐ 60+ Birds/Natural History What are your particular interests (tick as many as you like): Plant Propagation Horticulture Rambles/walks Visit other gardens Arts/Crafts Garden Design Heritage & History Photography Other/Suggested Activities?.... MEMBERSHIP: I am applying for the following (tick box): Individual Membership: ☐ \$30 per annum (12 months) □ \$50 per 2 years ☐ LIFETIME - \$1000 **PAYMENT OPTIONS:** CASH + Give this form directly to fBBGSA representative Payment by cheque/money order payable to Friends of BBGSA + Post with this form to postal address below. Payment directly to the FBBGSA bank account with NAB Kenmore BSB 084 263 Account Number: 91 416 2233 Include your surname in transaction name. + Post this form to postal address below. Payment through PayPal online at Website: http://www.fbbgsa.org.au (this PayPal process includes your contact details and interests record as well).

Membership Officer, Friends of BBGSA, P

Friends of BBGSA, PO Box 39, Sherwood, Qld 4075.