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# The North Queensland Naturalist

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No. 46

## NORTH QUEENSLAND NATURALISTS' CLUB

Meets at Girls' and Infants' School, Abbott Street, Cairns,  
usually on second Monday in each month, at 8 p.m.

**Business for Next Meeting—Monday, 13th July, 1936.**

Lecture by Mr. R. W. Mungomery, "Notes on the Introduction of the Giant American Toad (*Bufo marinus*)"

### Election of Member.

Mr. P. W. Petersen, Harvey's Creek.

### Proposer

Dr. H. Flecker

### Seconder

Mr. R. L. Morris

### June Lecture.

Mr. S. E. Stephens, Fruit Inspector of the Department of Agriculture and Stock, chose as his subject, "The Hastening and Directing of Nature."

In the propagation of plant life nature has adopted two methods, namely by seed and by plant division. Some plants are specialised in one form of reproduction, some in the other and some are adapted to both methods. By far the larger number, however, depend on seed.

It has been found that whereas the seed of a tree will produce a tree of a type distinct from its parents, any other part of the tree which can be induced to grow independently will produce another tree of similar characteristics to the parent. Hence some method embracing the use of portion of the parent tree other than the seed will defeat nature and accomplish our object. One such method is known as grafting or budding. This process can only be carried out with trees of the same family, that is an orange bud can be grafted on to the stock of a lemon tree, a cherry bud can be grafted on to the stock of a peach tree, but an orange bud cannot be grafted on to the stock of a peach tree. A budded or grafted tree will start cropping

at about half the time it takes a seedling tree for a similar result.

Mr. Stephens ably demonstrated his lecture with a number of specimens illustrating the varieties of grafts, and also gave a practical demonstration. His lecture was greatly appreciated by the members of the Club, who were present.

### Exhibits.

Dr. Flecker—Herbarium specimens.

Miss Hooper—A Sea-Hare (*Aplysia*).

Mr. Thurston—A Tachinid Fly from Mareeba, bred from maggots parasitising caterpillars, which were attacking bean plants.

Mr. J. G. Brooks, B.D.Sc.—A Sea-Horse (*Hippocampus abdominalis*).

### Visiting Naturalists in Cairns.

Dr. A. J. Turner (Brisbane)—An authority on *Lepidoptera*.

Mr. W. G. Hooper (Austria)—A botanist interested in the flora of North Queensland.

Mr. Geo. Bowen (Hamilton District, N.Z.)

Miss Wigan (Melbourne)—Ornithologist.

Miss Jamieson (Melbourne.)

## SOME RARER NORTH QUEENSLAND ORCHIDS.

By W. H. Nicholls.

### (3.) *Phalaenopsis amabilis*, Blume.

During my studies of *Phalaenopsis* species, especially the forms of *Ph. amabilis*, I have come to the conclusion that Bailey's species (*Ph. Rosen-*

*stromii*) is synonymous with the former.

With *Ph. amabilis*, var. *grandiflora*, Ldl., there appears to be very little difference—insufficient variation to justify even varietal rank.



*Phalaenopsis amabilis*, Blume.  
A. Plant and flowers.  
B. Column.

*Ph. amabilis* is a particularly attractive orchid. The plant itself has a superficial resemblance to some of the larger Australian species of *Cleisostoma* (Blume). The foliage is rarely found in perfect condition, owing to the depredations of caterpillars, etc. Sometimes the plant is destroyed entirely.

The large white flowers are borne on long, often branched scapes, the orange-red markings on lip and column enhance the beauty of the elegant flowers.

In Queensland this orchid is known as "The Goat-eared Orchid." In reference to the large drooping petals, usually it is called "White Moth."

*Ph. amabilis* grows on rough-barked trees, on vines, and on granite boulders in dense jungle country at Mount Spec and on the Mossman River, in North Queensland, at a maximum altitude of 1,500 feet.

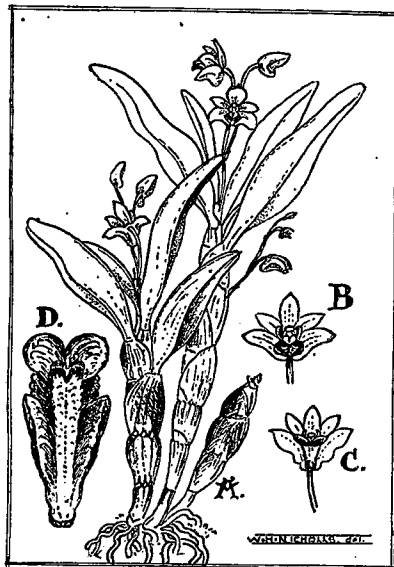
Flowering period—December-February.

I am indebted to Mr. A. Glindeman, of Brisbane, for my specimens.

This delightful species is one of Australia's best orchids. Found also in New Guinea, Java, Philippines, etc.

(4.) *Dendrobium Bairdianum*, Bailey.  
(After J. C. Baird).

When first I saw a plant of *D. Bairdianum*, I was struck by the beauty of some of the pseudo-bulbs. Attractively-hued and veined—the predominating colour being purple—they were a delight to behold.



*Dendrobium Bairdianum*, F.v.M.  
A. Typical plant with freshly expanded flowers.  
B. and C. Flower at different stages.  
D. Labellum from above.

The flowers—usually 1 to 3 in a raceme—however, do not possess any great beauty, yet interesting in their various phases. In the initial stage, a heavy shade of green which changes to yellowish-green, then at maturity a pleasing buff colour.

The lip is thick and fleshy, deep purple, with a prominent white disk, with two raised pubescent plates extending almost the length of the mid-lobe.

The column is deep-purple also.

Flowering period: December-January.

Habitats: Between Herberton and Mourilyan Harbour (J. W. R. Stuart), Mt. Fox, via Ingham (A. Glindeman).

ADDENDA ET CORRIGENDA.

(Figures after plants indicate flowering months)

- Vol. 1, no. 9, p. 5. *Hibbertia lepidota*. Add locs. Settlement Cr. (Brass), Betw. Einasleigh and Forsayth (Brass) and mo. 2.  
Before (H.) *glaberrima* add (H.) *Stirlingii*, White.  
f. *stelligera*, White, 1, 8. Range Rd. (Flecker), Raven-shoe (Brass).  
f. *squamulosa*, White, 1, 8. Herberton (Stirling), Stannary Hills (Bancroft).  
P. 7. Before (Endiandra) *exostemonea* add  
(E) *reticulata*, White, 3. Daintree R. (Brass).  
P. 8. Before Family MENISPERMACEAE add  
*Valvanthera*, White.  
*albiflora*, White, 2, 11. Daintree R. (Kajewski), Mossman R. Gorge (Brass).  
*Tinospora smilacina*. After locs. Thursday Is. and C. York add (F.M.B.). Add locs. Hartley's Cr. (Flecker) and mo. 12.  
No. 10, p. 6. Before (Polygala) *lep-talea* add (P.) *japonica*, Houtt., 1. Herberton (Flecker).  
Before *Bredemeyera* (Comesper-mum) *secunda* add  
(B.) *sphaerocarpa*, Steetz, 1. Herberton (Flecker).  
P. 7. Before (Melicope) *stipitata* add (M.) *sessiliflora*, White, 2. Mossman R. Gorge (Brass).  
P. 8. Before *Samadera* add  
(B.) *javanica*, (L.) Merrill, 12. Hartley's Cr. (Flecker).  
No. 11, p. 4. For (Canarium) *australisicum* read (C.) *australianum*, F.v.M. Add locs. Irvine-bank (Bennett), Mt. Molloy (Carlin), Mossman R. (Brass), Mow-bray R. (Brass), Harvey's Cr. (Sayer), Crystal Stream Bch. (Flecker), Townsville (Michael) and mos. 12 to 2.  
*Sida corrugata*. Add loc. Julia Cr. (Priest).  
For (S. *cordifolia*) var. *mutica*, Benth. read (S.) *mutica*, Domin.  
Before *Abutilon* add  
(S.) *Dallachyi*, White, 4.

- Mt. Molloy (Brass), Rocking-ham B. (Dall.)  
P. 5. *Hibiscus Normani*. After locs. Fitzroy I. and Palm I. add (F.M.B.). Add loc. Herberton (Flecker) and mo. 1.  
P. 6. *Melhania incana*. Add loc. Croydon (Priest).  
*Waltheria americana*. Add loc. Julia Cr. (Priest).  
Before *Triumfetta* add (G.) *papuana*, Burret, 1. Mowbray R. (Brass).  
Before *Corchorus* add (T.) *suffruticosa*, Bl. Palm I. (Somerville).  
P. 7. *Euphorbia prostrata*. Add locs. Torrens Cr. (White), Cloncurry (Legg), Townsville (White), Proserpine (Michael).  
P. 8. For (Phyllanthus) *brisbanicus* (F.M.B.) read (P.) *tenellus*, Roxb. Madagascar. Add mos. 1, 10 and 12.  
P. *Dallachyanus*. Add loc. Her-ber-ton (Flecker) and mo. 1.  
No. 12, p. 5. *Petalostigma quadri-loculare*. Add loc. Herberton (Flecker) and mo. 1.  
P. 7. Before Family BALANOP-SIDACEAE add  
*Dimorphocalyx*.  
*australiensis*, White, 1. Mowbray R. (Brass).  
*Ficus Thynneana*. After loc. C. Grafton add (F.M.B.). Add loc. Cook Highway (Miss Wright) and mos. 6, 10 to 12.  
Vol. 2, p. 10. Before (*Arytera*) *divaricata*, add (A.) *subnitida*, White 3. Daintree R. (Brass).  
P. 12. *Euroschinus falcatus*. After loc. Cairns add (Flecker).  
*Aegialitis annulata*. After loc. Lord Howick's Group add (F.v.M.).  
*Plumbago zeylanica*. After loc. Goode I. add (F.M.B.).  
*Portulaca australis*. After loc. G. of Carp. add (F.M.B.).  
P. *filifolia*. Add loc. Biboohra (Flecker) and mo. 1.  
*Calandrinia uniflora*. Add (F.M.B.) after both locs.  
C. *spergularina*. Add (F.M.B.) after all locs.

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Before Drymaria add  
**Spergularia**, Pers.  
*rubra*, Pers. Common Sand  
 Spurry. Europe, 1.  
 Herberton (Flecker).  
 P. 16. **Trichinium calostachyum**.  
 Add loc. Duchess (Priest) and  
 mo. 6.  
**Rhagodia spinescens**. After loc.  
 Burdekin R. add (F.v.M.).  
 After (**Chenopodium**) **ambrosioides**,  
 L., add Mexican Tea and mos. 2  
 to 12.  
 After (C.) **carinatum**, R. Br. add  
 Keeled Goosefoot. Add loc. Innis-  
 fail (Flecker).  
 P. 22. **Rumex Brownii**. Add loc.  
 Herberton (Flecker) and mo. 1.  
**Muehlenbeckia rhyticarya**. Add loc.  
 Zarda (Flecker) and mo. 1.  
**Pimelea involucreta**. Add loc. Mt.  
 Spurgeon (Flecker) and mo. 1.  
 Vol. 3, p. 3. **Gastrobium grandiflorum**.  
 Add loc. Betw. Torrens Cr.  
 and Pentland (Priest)  
**Crotalaria linifolia**. Add loc. Strath-  
 dickie N. (Macpherson). Delete  
 mo. 8 and add 1, 7, 12.  
**C. trifoliastrum**. Add locs. McLeod's  
 Cr. (Flecker), Mt. Isa (Priest).  
 Duchess (Priest) and mos. 1, 4,  
 6.  
 P. 7. Before **Stylosanthes** add  
**Trifolium**, L.  
*repens*, L. White Clover. Temp.  
 N. Hemisph., 1.  
 Root's Cr. Clearing (Flecker).  
*pratense*, L. Red Clover. Europe,  
 W. As., N. Afr. 1.  
 Root's Cr. Clearing (Robbins).  
 P. 12. **Polycarpaea breviflora**. Add  
 loc. Crystal Stream (Flecker) and  
 mo. 12.  
 P. 19. **Milletia pilipes**. Add loc.  
 Mowbray R. (Brass).  
 P. 23. **Pycnospora hedycaroides**.  
 Add loc. bet. Stratford and

Buchan Pt. (Flecker) and mo. 12.  
 P. 27. Before (**Glycine**) **tabacina**  
 add (G.) **clandestina**, Wendl.  
 Twining Glycine, 1.  
 Herberton (Flecker).  
**Galactia tenuiflora**. Add loc. Her-  
 berton (Flecker) and mo. 1.  
 P. 31. Before (**Vigna**) **lutea** add  
 (V.) **canescens**, White.  
 C. York Pen. (Dr. and Mrs.  
 Thomson).  
 P. 44. **Bauhinia monandra**. Add loc.  
 Mowbray R. (Brass) and mo. 1.  
 For (B.) **Hawkesiana**, F.v.M., read  
 (B.) **malabarica**, Roxb.  
 P. 48. **Acacia calyculata**. Add loc.  
 Herberton (Flecker) and mo. 1.  
 Vol. 4, p. 3. Before **Albizzia** add (A.)  
**Whitei**, 1.  
 Herberton (Flecker).  
 P. 4. **Polyosma rigidiuscula**. Add  
 loc. Root's Cr. (Flecker).  
 Bottom of list, add (**Ceratopetalum**)  
**succirubrum**, White. Blood-  
 in-the-Bark.  
**Gadgarra** (Tardent), Danbulla  
 (Fraser).  
 P. 7. For (**Ackama**) **quadrivalvis**  
 read (A.) **australiensis** (Schlecht),  
 White. **Pencilia**. Add locs. Dain-  
 tree R. (Brass), Glen Allyn  
 (Hayes), Ravenshoe (Manuell).  
 Before Family **CRASSULACEAE**  
 add Family **HAMAMELIDA-  
 CEAE**.  
**Ostrearia**.  
*australiana*, Baill.  
 Mossman R. Gorge (Brass).  
 P. 12. After **Stackhousia viminea**,  
 add Slender **Stackhousia**, 1. Add  
 loc. Herberton (Flecker).  
 P. 36. Before **Osbornia** add (B.)  
**Hughesii**, White. Stone Wood.  
 Daintree R. (Hughes).  
 Before **Myrtus** add  
 (R.) **recurva**, White, 2.  
 Mossman R. (White).

CENSUS OF NORTH QUEENSLAND PLANTS—(Continued)

(Figures after plants indicate flowering months)

**Eugenia**.  
**gustavioides**, F.M.B. Grey Satinash.  
 8, 10 to 4.  
 Daintree R. (Kajewski), Range  
 Rd. (Kajewski), Nr. L. Barrine  
 (J. F. Bail.), Butcher's Cr. (Miss  
 Walsh), Innisfail Dist. (Swain).  
**Ventenanii**, Benth. Weeping Myrtle.  
 10, 11.  
 Josephine Falls (Flecker), Rock-

ingham B. (Dall.)  
**leptantha** (Wight) Kai-go.  
 C. Grafton (F.M.B.), Rocking-  
 ham B. (F.M.B.), Mt. Dryander  
 (F.M.B.).  
 var. **parviflora** (F.M.B.)  
 Johnston R. (F.M.B.)  
**jambolana**, Lam.  
 Albany I. (Hill).