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39.

NORTH QUEENSLAND NATURALISTS' CLUB

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

Next Meeting—Monday, 9th December, 1935.

Joint Meeting with Boy Scouts of Cairns.

Subject for evening: Scouts and Natural History.

Election of Members.

	Proposers	Seconders
Mr. J. V. Pelling, 201 McLeod Street, Cairns.	Mr. H. Purcell	Mr. G. L. Rutherford
Mr. G. A. McBride, 71 Abbott Street, Cairns.	Mr. G. L. Rutherford	Mr. R. J. Gorton.
Master Robert Birch, 9 Pembroke Street, Cairns.	Mr. J. Wyr	Mr. R. J. Gorton.
Master B. Henderson, 3 Terminus Street, Cairns.	Miss Williams	Miss J. Whittick

November Lecture.

A very interesting lecture was given by Mr. G. Bates on "The Theory of Coral Reef Formation." The lecture dealt very fully with the various theories advanced by Darwin, Murray and others in explanation of this phenomenon. He also dealt with the various efforts of scientific expeditions to prove or disprove the rival theories. The lecturer was assisted by the episcopus belonging to the club and this proved very helpful in enabling the members to understand the various features illustrated.

Exhibits.

- Mr. H. Chargois—Aerial photographs of Green Island and surrounding reef and Cairns Inlet.
- Mr. G. Ernst—Banded Sand Crab, *Charybdis cruciata*.
- Dr. H. Flecker—Poached Egg Cowry, *Ovulum ovum*, Bullrout (*Notestes robusta*).
- Mr. E. Pitt—Bird of Paradise.
- Mr. J. Wyr—Nest of Yellow-breasted Sunbird, *Cyrstomus frenatus*.
- Mr. J. Wyr—Shell of Hawk's Bill Turtle.

- Mrs. Jenkins—Striped Opossum, *Dactylopsila trivirgata*.
- Mr. A. B. Cummings—Hermit Crab, *Dardanus megisthops in Dolium*.
- Mr. T. R. Hall—Backscratcher, *Tapinochilos pungens*, var. *Queenslandiac*.

BOOK REVIEW.

8. GOULD LEAGUE SONGS AND POEMS. 75 pp., 3 photogr. illust., 2 coloured plates, music for 15 songs: Publ. by N.S.W. Gould League of Bird Lovers. Not for sale. This is an excellent, exceedingly interesting little book on novel lines. Verses on the better known birds, many set to music of well-known rhymes, coloured illustrations of four fantails and four whistlers, and most beautiful photographs of birds and their nests, together with some descriptive text will certainly appeal to many, especially younger people who otherwise can have no other interest in birds than to aim a shanghai, shoot them or destroy them in other ways. The Gould League is certainly to be congratulated in displaying the beauties of bird life in such an interesting manner.

FURTHER NOTES ON NORTH QUEENSLAND ORCHIDS.

By The Rev. H. M. R. RUPP, Woy Woy, N.S.W.

Bulbophyllum exiguum, F.v.M.?—Dr. Flecker sent specimens obtained by Mr. T. Carr from Root's Creek in the Mount Molloy District and from Miss F. Vallance gathered on Mt. Bartle Frere

which I have provisionally determined as this species, but further fresh material is desirable to confirm the determination.

B. *Macphersonii*. Rupp.—See N.Q.

Nat. for July, 1934 (under *Osyricera purpurascens* Deane. The strange history of this little orchid, which at Dr. Rogers' suggestion has now been re-named after Mr. K. Macpherson, of Proserpine, will be found in the *Vict. Nat.* for July, 1934.

Phreatia limenophylax Reichb.—This curious little orchid, suggestive of a scrap of *Mesembrianthemum* has reached me from (1) Cairns (Dr. Flecker) where they were obtained from Mr. T. Carr, of Root's Creek, and from a member of the Cairns Alpine Club from Mt. Bartle Frere. (2) Ingham (Mr. Glindeman). The flowers are minute.

I am indebted to Dr. H. Flecker for specimens of the first four plants here dealt with, and to Messrs. W. F. Tierney and K. Macpherson for the remainder.

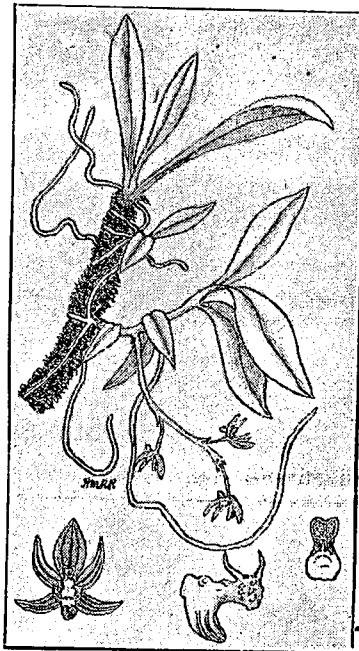
Anoectochilus Yatesae, Bailey in Q'land Agr. Journ. XIX, 1907. In the "Queensland Flora," Bailey remarks that he had received "leafy short specimens of what will most probably prove a species of the above genus (*Anoectochilus*) from the Trinity Bay Ranges." His prediction was later verified by a flowering plant, which he named after the finder, Mrs. Arthur Yates. The type specimen, which I have been allowed to inspect by the Queensland Government Botanist, Mr. C. T. White, is now in the National Herbarium at Brisbane. In July, 1935, Dr. Flecker sent me a small terrestrial orchid collected by Mr. Larnach near Ravenshoe. I was unable to determine it with any certainty, but concluded that it must belong either to *Anoectochilus* or to *Cheirostylis*. I forwarded the specimen to Dr. R. S. Rogers, who expressed the view that it was certainly an *Anoectochilus*, and was probably *A. Yatesae*. Inspection of the type material kindly lent by Mr. White soon proved this opinion to be correct. The species is small, but has the beautiful foliage characteristic of *Anoectochilus*: in this case the leaves are a deep brownish-green, with reticulate veins almost golden yellow. The labellum is remarkably fimbriate, and there are long filiform appendages to the column.

Oberonia pusilla, Bailey. This and the next two plants were obtained by Dr. Flecker himself near Ravenshoe. *O. pusilla* is very distinct from our two other species in Australia, *O. iridifolia* Lindl. and *O. Titania* Lindl. It

is even smaller than the latter, and the leaves, though similarly distichous, are semi-cylindrical. There is a very definite stem, shortly branching. The specimen was not flowering, but two typical spicate *Oberonia* racemes of capsules were present.

Bulbophyllum Macphersonii, Rupp. (*B. purpurascens*, Bailey; *Osyricera purpurascens*, Deane & Bailey. See "Victorian Naturalist," July, 1934.) Mr. Kenneth Macpherson found this plant on Mt. Dryander, and in the article referred to will be found the reason for its new name. The original locality was the Bellenden Ker Range. Dr. Flecker's locality is new.

Cleisostoma cornutum, sp. nov. 1935.—*Planta parva radicebus aeriis. Caulis brevis, folia lata, superiora majora. Racemi foliis paulum long-*



CLEISOSTOMA CORNUTUM
sp. nov.

An enlarged flower, and greatly enlarged callellum and column, are shown above.

iores, cum floribus paucis. Sepala petalaeque fusca, striata; labellum viride, rugosum, apice obtusissimo cornuto;

calcar obtusum, striatum. Columna brevis cum appendice uno in rostellum fronte.

A small plant, somewhat similar to *C. tridentatum* Lindl. with aerial roots: leaves broader and stem short, the upper leaves larger than the lower. Racemes slightly longer than leaves, with few flowers. Sepals and petals brown, striate; labellum green, rugose, with a very obtuse apex furnished with a spreading "horn" on either side. Spur blunt, striate-ridged. Column short, with a single horn-like appendage in front of the rostellum. Anther markedly depressed on top. Capsule not seen.

The curious horn-like processes of the labellum at once suggest a name for this distinctive little species, which reached me with two flowers in excellent condition for examination. Dr. Flecker sent a plant with a much younger one immediately above it, both attached to a twig. They are quite healthy after two month's residence in N.S.W.

Luisia teretifolia, Gaudich?—Mr. W. F. Tierney sent a plant, obtained by him during a trip to Cape York and the neighbouring islands, which he thought might prove to be an *Aerides*. No flowers were present, but a capsule was received, approximately of similar size and form to that of *Dendrobium teretifolium*. In the absence of flowers it is not possible to express a very definite opinion, but I think the plant is most probably *Luisia teretifolia*.

Dendrobium sp.?—Mr. Tierney also

sent two plants of a *Dendrob* which he has supposed to be *D. fusiforme* Bailey. For some time I have possessed two plants which seem to me beyond doubt to belong to the latter species. Mr. Tierney's plants were without flowers, but they do not impress me as identical with mine. They may prove to be a shorter and relatively stouter form of *D. fusiforme*, but I think it possible that they are *D. criocarpum*, a species figured by Fitzgerald in his unpublished plates, which are in the Mitchell Library at Sydney. Nothing appears to be known of this species beyond the fact that Fitzgerald figured and—presumably—named it. It will be interesting to learn whether it is identical with Mr. Tierney's plants.

Zeuxine oblonga Rogers and White. —Mr. Kenneth Macpherson found plants of this little-known terrestrial orchid in the Proserpine district in 1934. The flowers were nearly all past maturity. In July, 1935, he sent me three young plants, all of which prospered in a pot and began to bloom in September. I know of no orchid less orchid-like in appearance, except the subterranean *Rhizanthella* and *Cryptanthemis*. At a casual glance one might pardonably mistake this little *Zeuxine* for a member of the *Acanthaceae*. The leaves wither before the flowers develop. *Z. oblonga* will be found described by Dr. Rogers and Mr. C. T. White in Proc. Roy. Soc. Q'land, September, 1920.

ADDENDA ET CORRIGENDA.

- Vol. 1, No. 9, p. 8. *Capparis umbellata*. For Coast Scrubs from C. York to Pt. Denison, read C. York (F.M.B.), Rechter's Cr. (Flecker), Pt. Denison (F.M.B.). Add mo. 7.
- No. 10, p.5. *Ionidium suffruticosum*. Add loc. Rechter's Cr. Mth. and mos. 7 and 10.
- No. 11, p. 6. *Grewia polygama*. Add loc. Rechter's Cr. Mth. (Flecker) and mos. 7. For (*Triumfetta*) procumbens, Forst. read (*T*) repens, Merr. 6. Add loc. Green I. (Flecker).
- Vol. 2, p. 6. Before *Diploglottis* add *Cardiospermum*, L. *Halicacabum*, L. Heart Pea, 6. 10. Barron R., Mareeba (Flecker).
- P. 24. After *Elaeagnus*, add L.

- Vol. 3, p. 3. *Crotalaria juncea*. Add loc. Mareeba (Flecker) and mo. 7. P. 7, bottom of page. Add (*Indigofera*) *hirsuta*, L. 7, Barron R., Mareeba (Flecker).
- P. 15. *Tephrosia juncea*. Add loc. Rechter's Cr. (Flecker); add mo. 7.
- P. 24. This page is incorrectly numbered 20.
- P. 31. *Flemingia parviflora*. Add loc. Rechter's Cr. Mth. (Flecker) and mo. 7.
- P. 40. *Dioclea reflexa*. After Hook. add f. Add loc. S. Mossman R. (Flecker) and mo. 11.
- P. 43. Delete *Flemingia lineata*, F. pauciflora, F. parviflora and F. involucrata.

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After (*Mezoneurum*) *brachycarpum* add Benth.
P. 7. After Geissois add Labill.
Vol. 4, p. 8. Delete (T.) repens.
For *Alysicarbusivaginalis* read
Alysicarpus vaginalis.

Delete last line P. 24. After *Elaeagnus*, add L.
P. 7, bottom of page. Add
(*Indigofera*) *hirsuta*, L. 7.
Barron R., Mareeba (Flecker).

CENSUS OF NORTH QUEENSLAND PLANTS (Continued)
(Figures after plants indicate flowering months)

- Anmanzia**.
- indica*, Lam.
- Endeavour R.* (B. and Sol.).
- auriculata*, Willd. 5 and 9.
- Pt. Lookout* (B. and Sol.), Cairns (Flecker).
- Lagerstroemia**, L.
- flos-reginae*, Retz. India. 11 to 4, 8.
- Endeavour R.* (Persieh).
- indica*, L. India.
- C. Sidmouth (Curdie).
- Archeriana**, F.M.B.
- Palmer R. (Baird).
- var. *glabrescens*, F.M.B.
- Coen (Mrs. Garraway), Walsh R. (Barclay-Millar).
- Sonneratia**, L.
- alba*, Sm. Pornupan.
- Cooktown (Roth), Johnstone R. (Bancroft), Palm I. (Herbert).
- Family **STACKHOUSIACEAE**.
- Stackhousia**, Sm.
- muricata*, Lindl.
- Dunk I. (M'Gillivray).
- intermedia*, F.M.B.)
- Lizard I. (F.M.B.).
- viminea*, Sm.
- Nagi I. (Macgregor).
- Family **HALORAGIDACEAE**.
- Haloragis**, Forst.
- heterophylla*, Brongn. Rough Rasp wort.
- Burdekin R.* (F.M.B.).
- stricta*, R.Br.
- Rockingham B. (F.M.B.).
- acanthocarpa*, Brongn. 4.
- Is. of G. of Carp. (R.Br.), Mt. Mulligan (Flecker), Rockingham B. (Dall.), Gould I. (M'Gillivray).
- Myriophyllum**, L.
- verrucosum*, Lindl.
- Mt. Elliott (Fitzalan).
- Family **RHIZOPHORACEAE**.
- R.Br.
- Rhizophora**, L.
- mucronata*, Lam. Red Mangrove. 7 and 12.
- Is. of G. of Carp. (F.v.M.), Endeavour R. Mth. (Saville-Kent). Cairns Neighbourhood (Saville-Kent), Low Is. (Yonge), Russell R. (F.M.B.), Palm I. (Herbert), Bowen (Saville-Kent).

- Ceriops**, Arn. Spurred Mangrove.
- Tagal*, C.B.Rob. 12.
- Batavia R.* (Roth), N. Cairns (Flecker), Russell R. (F.M.B.), Palm I. (Herbert).
- Bruguiera**, Lam.
- Rheedii*, Blume. Black Mangrove. 7.
- Is. of G. of Carp. (F.M.B.), Is. of Torres Str. (Swain), *Batavia R.* (F.M.B.), P. Charlotte I. (Swain), Cooktown (F.M.B.), Cairns (Swain); Russell R. (F.M.B.), Palm I. (Herbert).
- gymnorhiza*, Lam.
- Palm I. (Herbert).
- caryophylloides*, Blume.
- C. Sidmouth (Curdie).
- parviflora*, W. et. Arn.
- Johnstone R. (Bancroft).
- Carallia**, Roxb.
- integerrima*, DC. Mel-joor-ang. 6.
- Musgrave (Roth), Endeavour R. (R.Br.), Cooktown (F.M.B.), Bartle Frere (Flecker).
- brachiata*, Lour.
- Range Rd. (Kajewski).

- Family **ALANGIACEAE**.
- Alangium**, Lam.
- vitiense*, Gray. 7.
- Gadgarra (Kajewski).

- Family **COMBRETACEAE**.
- Terminalia**, L.
- Catappa*, L. Indian Almond. 9.
- Is. of Torres Str. (F.M.B.), Cooktown (F.M.B.), Low Is. (Yonge), Green I. (Wright), Rockingham B. northw. (F.M.B.)
- platyptera*, F.v.M.
- Etheridge R. (Batho), Palmer R. (Batho).
- var. *glabrata*, Benth.
- Gilbert R. (F.v.M.)
- volucris*, H.R.B.
- Is. of G. of Carp. (R.Br.), Sweers I. (Henne).
- oblongata*, F.v.M.
- Burdekin R.* (F.v.M.).
- bursarina*, F.v.M.
- G. of Carp. (F.v.M.), Gulf Country (Hann).
- circumalata*, F.v.M.
- Is. of G. of Carp. (R.Br.).