

Collection nos. 178, 183

K. H. L. Key & party

GLAMIS

DUPLICATE

*Darwin area & western Arnhem
Land, N.T.*

CARBON BOOK

(Octavo Size)

22. x. - 6. xi. 1972

18. v. - 2. vi. 1973

100 Leaves in Duplicate

NUMBERED

Flexiflat

THERMO-PLASTIC BOUND

Collection date 1972

Herbarium 1

F. H. I. Keys for the

Herbarium

22.X. - 6.XI. 1972.

Plant identifications by
Herbarium Australe

22/10.

49842. Noonamah

844.7. Turn right on Berry Springs road.

845.2. Crossed railway

847.7 Open woodland of eucalypt sp. 2
Goniacocoida sp. 2, *Commersonia* sp. 3, *Goniacoidia*
to 4ft, with *Cyperus* to 5ft, regrass to
sp. 2
to 3ft, remains of tall coarse grasses
to 6ft, occ. *Calystegia* to 4ft, ground
covered with small stones, soil pale
grey-brown.

849.7. Road off to right to Berry Springs

850.5 Took left fork.

850.7 Small creek margined by ^{herb} *Coniacocoida* sp. 2, *Rectitropis* sp., *Gesonia*
Terminalia sp., *Acacia* spp., *Melaleuca* sp.
muricata, *Stenocotyle* sp. angustifrons,
? *Grewia* sp. to 20ft, *Pandanus* sp. to
S. vitifera
10ft, *Cyperus* sp. to 5ft, various grasses
to 3-5ft.

854.5. Waterhole in creek. *Pithecolobium*

855.3. Turned right along power line

855.8 Pitum

23/10

57059: 1. Turned off Stuart Highway for
Howard Springs.

- ✓ 063:0. Howard Springs, 1 in. forest
Atractomorpha similis, *Paropeltis femoralis*,
spring with free water, with bare
Zooidolus sp. 1, L. sp. 2
much leaf litter. Return.

068:0. Turn right onto Stuart Highway

- ✓ 071:4. Shallow dry swale p border. 8 units
Macrotona sp. 17, *Lappidaria* sp. 1, *Heteropternis*
Grossilla sp. to 15ft & regrowth, with
Chorizanthe, *Reticulopis* sp. *Verticordia*
heath-like understorey of *Sarcocolla* (?) to
Reticopis sp. *Austracris guttularis*, *Morabaine*
3ft & sedge-like tussocks (2 specs) to
sp. P157.
1ft on pale sandy soil, other shrubs
occ. *Lysin*.
& regrowth occ. *Morabaine* on sedge-
like plants. Mostly ~~in~~ mid to late myrtle

- ✓ 071:4. Darwin (via Nightcliff). *Sarcocolla*
Chorizanthe *terminifera*, *Sarcocolla* *parviflora*, *Sarcocolla*
swamp on Gilmore Ave., immediately
south of the rise leading Darwin
High School & opposite northern
of Botanic Gardens, between road &
sea. Sample to left on dry gravelly
mud. ^{fine} grass to 10 in. measuring

drain passing through middle of swamp
 & dense grasses to 4ft on rise up from
 swamp. Chert on fine short grass.
 Succul seen.

24/10.

35458.8 Bagot road intersection.

proceeding S on Stuart Highway.

4476.8 Turned off for Mt Poundley.

4478.3 Road off to left.

4480.5 New York, Deer Hotel - Motel

4487.8 Bend R.

4489.1 Bend & bend L.

✓ 4491.2 Gentle undulations of brown
 Moraine sp. 81a (3) Stenocaulon tops
 sandy loam bearing a thick mat of
 vitripennis, Rictidopsis sp., *Dyspechhia* sp. 1,
 acalypts, *Gracillia* sp & *Ternstroemia*
Goniadobidea sp. 2
 sp. to 20ft, with undergrowth of *Acacia*
 sp. to 5ft & other shrublets or regrowth
 to 2ft. ~~Colletia~~ Moraine on *Acacia* to
 1ft. Acacia, basellia, Heteropt.

4491.4 Road off to L to CSIRO.

Washed 0.3m

496.5 Adelaide R. Crossing.

- ✓ 497.3 Shrub woodland on pale grey
Macrolophosia sp., *Panda conifera*, *Goniacoides*
 sandy soil, marginal black sand
 sp. 2, *Stenactantop* sanguiflora, *Coladia*
 plant. *Acacia* leaflets & *Terminalia*,
Captina, *Lippochia* sp. 1
 100 ft. *E. papuana*, to 30 ft. *Pandanus*
 1 to 12 ft. regrowth of all, other small
 trees & shrubs. A coarse *Labiate* with
 dead inflorescences to 5 ft & regrowth
 to 9 in, some grass to 1 ft. *A. nasutus*,
S. verticillata.

503.5. Cross roads.

508.1 Cross roads.

511.3. Cross roads.

- ✓ 514.1 Gentle stony rise with brown
Austroripidulona
 soil. A variety of trees in woodland
 formation to 40 ft, with occ. small
Erythrophellum to 10 ft
 ? ~~Terminalia~~ (very compound leaf with
 rounded leaflets) & much regrowth of
 this to 3 ft. Dead grass dense to
 4 ft.

515.8. Enter Mt. Bunderly Sta.

517.2 Mt. Bunderly entrance S. to R.

517.8 Mt. Bunderly road. End of urban.

524.0 Mary River.

526.1 Turn-off R. to Arundel north.

537.0 Bell Bros. turn-off to left.

545.1 Road off to L.

✓ 545.7 Level country with grey-brown ^{Stenocarpus vitripennis} soil & lateritic gravel. Mixed meses & Terminalia to 40ft, Pandanus to 10ft & regrowth. Dense grass originally to 6ft, now partly collapsed.

562.0 Eau - G & L.

✓ 562.2 Rocky hill & adjacent ^{stony} slopes. *Austroberis basalis*. Mixed meses & Terminalia to 30ft. with regrowth. Mixed grasses to 3ft.

571.5 ~~Crossed~~ ^{S. Alligator R.}

584.0 Crossed creek.

593.6 Pine Cr. road to R.

✓ 597.7 Casenda. Camped.

25/10.

16688.5

? 16699.4
"ditto"

? 16715.2
? 16717.4

(568.4) = 280.5

(586.0) = 267.9

(595.1) = 253.8

57250.0 Cooninda Store departure Darwin

- ✓ 255.2. Low open forest on very gentle
Gonocarpus ^{mixit} undulations with pines to 40ft,
 Acacia sp. + several diadymous spp.
 to 12ft, *Leucostoma* to 10ft, *Calythna* spp.
 to 6ft, regrowth, dead grass dense
 originally to 4ft. *Stenocarpus vitrip.*
- ✓ 262.9 Gentle undulations. Pines +
Ptilotris sp. + *Erythronomala aurea* (?)
Melaleuca spp. to 40ft. *Pandanus*.
 Acacia sp. + occ. *Grevillea* sp. to 12ft.
 regrowth of all these, grasses to 4ft.
 incl. *Themeda australis* + *Imperata*.
S. vitripennis, *S. august*.
- 271.4: Passed ~~Cooming Creek~~ S. Alligator R.
- ✓ 280.5 Pines to 25ft with some *Terminalia*
Stenocarpus vitripennis
 (?) on rocky quartzite ridge \approx 20ft
 high. A little regrowth, dense grass
 originally to 8ft, but largely collapsed
 or burnt. Return.

306.5. Turned off on Pine Creek road.

319.6. Barramundie ruins.

307.8 = 471.6

313.0 = 476.8

334.5 = 498.5

8

323.1. Barramunta Cr.

334.5. Crossed Santa Allegre R.

346.5. Crossed creek (Serowie.)

348.2. Road off to R to Guapo, la H.S. 12 mi.

354.5. Track in from L.

356.5. Road in from El Sharana on L.

Track right fork.

359.9. Track off to R.

362.1. Turned round.

- ✓ 364.9. Small creek in hills with
Microta sp. 19, *Rudraecris basalis*
massive outcropping sandstone.
Eucalyptus spaced to 40 ft, *Acacia*
& *Pandanus*
sp. to 15 ft, other small trees & shrubs.
Triodia sp. to 10 ft among boulders,
Triodia procera R. Br.
Plectrotrachne sp. (spec.) with inflorescence
to 4 ft. foliage coarse & loose, *Themeda*
australis & other grasses to 3 ft.
Macrotomoid on *Triodia* sp. 1 to 2
at end ~~*Plectrotrachne*~~ *Triodia procera*.
- ✓ 367.7. Road to El Sharana off to R.
Gently undulating pink sand on R.

erect + *Terminalia* spp. to 40ft. *Acacia*
Guineensis nos. 15 sp. 7, *Guineensis* nov. 105 sp. 2 (j.), *Guineensis*
 spp. to 6ft scattered, fairly dense small
 nos. 61 sp. 2 (j.) *Triodia* sp. *Paratettia repiculata*
 tussocks of *Triodia* sp. (spec) to 10m.

inflorescence to 2ft. Macrotonoid on
Triodia.

dense

✓ 372.1. *Guineensis*, narrow-phyllode *Acacia* +
Erythronomala aurea, *Micycla* sp. 19 (j.), *Guineensis*
 Occ. *Terminalia* to 25ft (erect to 50ft) on
 nos. 105 sp. (j.), *Guineensis* nos. 61 sp. 2 (j.)
 flat with pale brown sand. Much *Acacia*
 regrowth. Coarse grass in patches to 4ft,
 v. occ. *Triodia*, *Calytrix* to 6ft occ.

375.9: Turn-off to Grootpasla on L.
 wasted some miles

448.1. Houslangie camp site. Mat
 at light + by torch.

26/10.

✓ 449.4: *Callitris* sp., *Guineensis*, *Terminalia*
Paratettia nigrescens, *P. hirticarpa*
 + other monsoon-type trees to 50ft
Hedyletia Colivari, *Argyraea basalis*,
 brown sand with thick undergrowth
Valanga iniquitatis, *Rechtropis* sp.
 of deciduous shrubs, *Acacia* spp.
 + occ. *Calytrix* to 10ft, *Labiata* as
 before (idea) to 5ft, a little grass in

patulus, much leaf litter, Succisa
 452.7. Same road.

458.5 Turned right to for Fair Hill.

464.3 Road off to north on R

470.3 Turned off on Pine Creek road

✓ 471.5 Road off to left on R
 471.5 Road off to left on R
 to 20ft. Aracia spp. (2) to 8ft abundant
 see Calyptra to 6ft; dense grass
 generally to 5ft. Erythropomala

✓ 471.9 Road off to left on R
Styragia spp., vitripennis, Erythropom
Versterdie
Ar. calycina spp. Succisa (2) to 15ft.
 perennial very grasses to 2ft, Succisa
 to 10ft.

477.0 Crossed to and immediate R

477.0 Crossed South Hill for R
Pinellia spp., Pring, colony, fox
 to 6ft; Pinellia spp. to 15ft

4 in. on flat. Pale sand. Macrotonia

Tridax, other new sp. annual
at base of out-crop. S. utrip.

593.7. Turned L. = 590.5

595.2. Turned left to

596.5. Road in from R. = 587.7

✓ 599.8. Trees, Terminalia, Acacia sp. 4000.
Melaleuca sp. to 40ft. Pandanus, to 10ft
Acacia sp. to 8ft in patches. regrowth
fine grasses & scattered herbs to 1ft.
Tridax

599.9. Turned S. ~~to 1000 ft~~ (?)

600.5. Crossed Wourlangie Cr. = 582.7

✓ 600.5. Flat with some sandy soil -
Tridax now 106 sp. 1
Melaleuca to 10ft, Tridax to 10ft, Tridax
to 10ft, Tridax to 10ft, Tridax
of Calytrix to 8ft dense & Tridax-like
claw-like dense & green to 4in, Tridax sp.
Tridax to 10ft, Tridax to 10ft
Tridax
Tridax to 10ft, Tridax to 10ft
Tridax to 10ft. Return.

654. [unclear] [unclear] [unclear] [unclear]
 655. [unclear] [unclear] [unclear] [unclear]
 656. [unclear] [unclear] [unclear] [unclear]
 657. [unclear] [unclear] [unclear] [unclear]
 658. [unclear] [unclear] [unclear] [unclear]
 659. [unclear] [unclear] [unclear] [unclear]
 660. [unclear] [unclear] [unclear] [unclear]
 661. [unclear] [unclear] [unclear] [unclear]
 662. [unclear] [unclear] [unclear] [unclear]
 663. [unclear] [unclear] [unclear] [unclear]
 664. [unclear] [unclear] [unclear] [unclear]
 665. [unclear] [unclear] [unclear] [unclear]
 666. [unclear] [unclear] [unclear] [unclear]
 667. [unclear] [unclear] [unclear] [unclear]
 668. [unclear] [unclear] [unclear] [unclear]
 669. [unclear] [unclear] [unclear] [unclear]
 670. [unclear] [unclear] [unclear] [unclear]

653. Back at camp. Return.

663. Road off to R.

671. Turn S. road.

672. Turn S. road.

677. Baroalba Springs camp.

27/12.

- 677. *Heliotropium* spp., *Dec. euc.* v
- Heliotropium* [unclear], *Spergularia* [unclear]
- Heliotropium* [unclear], *Spergularia* [unclear]
- Verticordia cunninghamii* Schan.
- Myrsine* [unclear], *Eucomis* [unclear] sp. 1 (L.), *Moss* [unclear]
- Heliotropium* [unclear], *Spergularia* [unclear]
- 678. P200 (L.) [unclear] [unclear], *Heliotropium* [unclear]
- Spergularia* [unclear], *Heliotropium* [unclear]

[Mr. Lindsay Curtis, of Tirasida, took
 me to a place ca. 1 mi. W. of Kōongāra,
 where he had found an adult Petasid
 some 2 months earlier. The site
 was a rocky hillside of the
 Pityrodia jamesii Specht & another
 aromatic shrubs (ca. 1 m. tall).
~~Verbenaceae Pityrodia angustifolia~~
 to a particular *Verbenaceae* plant
 he said the Petasida had been found.
 The plant proved to be in fact
 an aromatic shrub to ca. 1 m., & led to
 the suspicion that this shrub was
 a major host of Petasida.]

1911.7. Undulating sandy with
 massive rocky ridges & a few
 common *Verbenaceae* (f.), *Macropus* (f.)
 flats & g. fls. Near white sand.
 Petasida *sp. affinis* (f.) *Verbenaceae* (f.)
Menziesia (f.) *Verbenaceae* (f.)
 with a miniature coloured a. *Verbenaceae*
Verbenaceae (f.) *Verbenaceae* (f.)

... not seen ...
 ... mainly dead, but ...
 ... some small ...
 (*Pityrodia jamesii*)
 ... to 3 ft. incl. the aromatic ...
 ... mainly ...
 ... at higher levels, various ...
 ... to 3 ft, much sedge-like
 ... plants to 1 ft, some low
 ... to 4 in, a little nearly ...
 ... nymphs
 ... Petasida for the aromatic ...
 ... several per ...
~~*Bampiera* sp. aff. *B. cinerea* West. & Davis~~
~~*Conospermoides* W. & Fitzg.~~
 The insects are ...
 often near the tips of the ...
 occasionally. They show little response ...
 ...
 ...
 on the foliage at ...
 typical ... nearly base ...

... dead grass. Most
other moister valley, apparently associated
with a low sprawling papilionate, but
... by ...
...



... but with ...
...
... cedarwood to 20ft, plus regrowth. Some
... absent. Calytrix occ. to 15ft.

... rocky slope with
Trodia. ... up ...
...
...
... 212.1 ...

211.9

213.5 Turned R into Denpalla road.

214 ...

217.1 ...

224.5 ...

226.3 ...

Astragalus borealis
 4 ft. to little *Latentia grandiflora*
 4 ft. with *Hesperis* sp. *Gouvieria*
 4 ft. to 2 ft. *Stemodia* to 2 ft.
 Grass mainly perennial to 1 ft.
 in some places to 1 ft. in others
 abundant in patches to 10 ft. St.

127.4 Road off to L.

720.7 Road to Jahim

730.7 Road in from L.

733.0 Turned R for Mustjehang.

740.0 Mustjehang.

741.3 Cross roads

746.7 Lawson's tented camp.

750.0

757.0

760.0

765.0

770.0

775.0

1932. 2. 20. Muncie, Ind.

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1932. 2. 20. Muncie, Ind. ...
Gonolobus E. vocans, G. fusca ...
... of the ...

... soil with some fairy pine
... Acacia spp. (at least)

... 15ft & regrowth. Much leaf litter
... ground layer. Small saplings on
... litter.

1932. 2. 20. Muncie, Ind. ...
1932. 2. 20. Muncie, Ind. ...

... with ...
... 106 ft (1/2)
... 10 ft ...
... 10 ft ...
... 10 ft ...

... with several main stems to 20

ft in diameter, sparse ...
... Verticordia
... bare sand, ...

... on sand.

Trach...
Macrobrachium sp. 16...
at substo 8ft, Limestone to 8ft, 2nd

Yesticoardia
to 7ft. occ. Tridonia sp. on
with Tridonia but not diving into it

701.2. Scapelli ~~off~~

701.7. Scapelli

703.9 Hill on L

704.6 ... & other trees on Gray
sandy loam flat adjacent to grass
plain. Pandanus to 15ft, Acacia sp.

705.0. Yall. Road off to L.

712.4. Track off to L.

715.5. ...
Loam. ...
Acacia sp. 14. occ

Partially buried ...

... ..

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Track off to left to

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✓

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Pityrodia lanceolata Munis

Pityrodia lanceolata Munis

10.11. 1955. 10.11. 1955.

9.11. Turned round Group of Cows

Microda sp. 19

2.11.1955. 10.11. 1955. 10.11. 1955.
Hats. White sand. Grass, wild.

Adiantum & *minuta*, to left. 4.11. 1955.
to left, *Microda* to left. 10.11. 1955.

9.11. 1955. *Microda* sp. 19. 10.11. 1955.

Tridac sp. & *Plectroche* (?) sp. ^{mainly} 10.11. 1955.

10.11. 1955. *Microda* sp. to left, some 10.11. 1955.

10.11. 1955. *Microda* sp. 19. 10.11. 1955.

10.11. 1955.

10.11. 1955. 10.11. 1955.

10.11. 1955. 10.11. 1955. 10.11. 1955.

10.11. 1955. 10.11. 1955. 10.11. 1955.

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10.11. 1955. 10.11. 1955. 10.11. 1955.

ANZ

10.11. 1955. 10.11. 1955. 10.11. 1955.

10.11. 1955. 10.11. 1955. 10.11. 1955.

up to 70ft, in gorge lower, 100 ft
trees & *Acacia* sp. to 20ft, *Linistoma*

& *Andaman* see to same. ^{Large} ^{leaf}

Hippocates floribunda R. Br.

Trochil
among

013.0 Flat with white sand

to 10ft, *Engelmann* & *Andaman*

grass to 1ft, patches, yellow-green

ridge-like plants, *Pattersonia* sp., *Andaman*

Metalinca sp. to 4ft, much leaf litter.

017.7 Ground Cooper's Creek.

300 yd. Flat with heavy white sand

to 20ft, *Engelmann* & *Andaman*

patches of *Hypocates floribunda* R. Br.
 about 10 ft. patches of
 grassy grass patches from outcrop to the
 some ~~leaves~~ leaves palms. in light
 shade. *Arctostaphylos*
 very bright clear green in the green
 from with a small white spot at
 base of leaf. Adults are as distinct
 to the single leaf plant as myriophyllum
 with a little ~~in~~ ⁱⁿ ~~the~~ ^{the} ~~leaves~~ ^{leaves}. *Arctostaphylos*
 in ~~the~~ ^{the} ~~leaves~~ ^{leaves} of *Arctostaphylos*.

5.3. Collected + deposited.

7.1. For 2 hours, place leaves on
 road.

7.2. leaves

7.3. leaves

7.4. leaves

7.5. leaves

7.6. leaves

7.7. leaves

7.8. leaves

also Livistona,

shrubs to 10ft. Much leaf litter in patches, hardly any ground stratum.

Macrolophia. Returned.

5/11.5. (Some miles wasted). What

Colletia capitata *Scaevola* var. 10b sp. 1,

flat between self-nucleating *Stenocarpus angustifrons*, *Pardollia* *dist.* grey plain & massive *Scaevola* sp. (f.)

outcrop to 150ft. *E. papuana*, *Livistona* & other trees to 30ft, *Pandanus* to 15ft, *Acacia* spp. to 12ft & regrowth.

Brassia sp. to 15ft, fine wispy grass to 1ft, coarse grass (perennial) in patches to 18in., patches very short dead grass. Plain grazed to very short turf. Outcrops with *Acacia* spp.

& other shrubs to 12ft, *Friedra* sp. an annual grass to 5in & *Rudra* like plant to 5in on flat rock

depressions on summit (*Lycopodium* *goussieri*).

6/11.

11/11.5. *Leptocarpus* *lythamii* Returned. *Hypoestes floribunda* R. Br. (Peanthaceae)

11/11.2. Specimen of *Atractomorpha* bush.

140.9. Returned to Jaboron.

142.9. Shallow depression with marl
Rechtropis sp., *Acrostachys guttata* a, morabine
 sand. *Melalucina* sp., *Drevellea* sp.,
 sp. P158, *Xylocarpus* sp. 1, *Stenocarpus* sp., *Phicodroma*
Pandanus & occ. trees to 25 ft. ~~15~~
Whipcypris, *Gonialcordia* sp. 2, *Macrotoma* sp. 1
 to 10 ft. Mixed grasses, incl. June grass,
 to 1 ft, sedge-like plants (2) to 1 ft,
 some bare ground. Macrotomia

143.2. Jaboron.

147.9. Escarpment S of Jaboron. Forest
Quercus sp. 1, *Macrasylota* sp. 3 (f.),
E. tetradonta & *E. miniata* to 50 ft, *Acacia*
Microla sp. 19.
 sp. & other trees occ. to 15 ft. Heavily
 burned. Few remaining unburnt for trees
 have *Calyptra* to 7 ft, many grasses
 well spaced to 2 ft (phasmid, on
 4 in) & *Tridax* in small clumps.
 Leaf litter, bare ground (pale beige sand)
 a little coarse gravel. Returned

152.5. Jaboron

156.0. Jaboron depart W.

158.4. Returned.

160.9. Jaboron

here. Camp on *Thurbergia* Cr. Gentle
 slope with pale brown sandy loam
 nov. 99 sp. 2, *Macrolephidia* sp., Genus nov. 61
 with lenticular gravel & occ. flat
 sp. 2 (1) *Stenocatantops vittiferus*, *Geotracis*
interops *marginatus* Cr. mes. &
 basal, Genus nov. 75 sp. 2, *Morabius* sp. P200(3)
 see *Acacia* sp. to 3 ft, with *Tridax*
 & scattered sedge-like plants
 in small ~~clumps~~ to 10 in, some
Paratettix fuscipennis
 here ground. *Melolontha* sp. rather
 here bordering creek.