

FRONT

narrow line

N670 100

メモリ中罫 50Sheets

maruman

1

SERAM

Nov/DEC  
1990

spiral note



4 979093 000920

MADE IN JAPAN



30 November

1990

Alt. 500 ft.

Bedrock grey shale c. quartzite -  
soil - red clay.

Wae Ruwata

Myristicaceae, Fagaceae  
Myrtaceae / Dipterocarpaceae  
Shorea [2 sp.]



X

4300

3

Meliaceae

Chisocheton

Tree 25m x 30cm dia.

Bark reddish, flaking.

inbk. fibrous reddish - 6mm thick

Leaflets 50-80cm

Young fr. green c. silver  
indumentum.

TB, LF, TW



4301

x

(4)

Anacardiaceae

Buchanania

Tree 30 m x 30 cm dbh

Bark light gray: clear.

inner bk orange. c. sticky, sap

Fruit green.

TB, LF, TW, FR





4302

X

(3)

Alangiaceae

Alangium? japonicum.

Tree 40m x 45cm dbh.

Bark grey - brown,  
inner bk yellowish

Flower creamy white  
fragrant. . . young fr. green

TB, Tw, LF

PHOTO



4303 ✓

(3)

ERYTHRONYLACTAR

Tree 35m x 30cm dbh

Bark reddish brown - flaking  
inner bk. orangy red.

Fruit green ~ turning orangy

TBK, TW, LF



430#5 +

(3)

~~Staphyleaceae~~ Subiaceae

Meliosma.

Tree 35 m x <sup>40</sup>~~35~~ cm dbh

Bark grey, ± smooth  
inner bk orangy red.

Fruit green

→ TB, LF, TW



4306 X

Myrticaceae

Florsfeldia

Tree 25m x 20cm dbh

Bark reddish brown, flaking  
inner bark orangy red c.  
red sap.

Fruit bright orange c.  
red sap.

Flower orange.

TB, TW, LF, FR.





1/12/90

550'

4307  
Cnetaeae X

(3)

Cnetaeae

Climber to <sup>5</sup>~~10~~ m dia  
x 40 m

Fruits reddish brown.

LF, ST, FR



X

4309

(3)

~~Rhizophoraceae~~

~~Carellia~~

Tree. 15 m x 20 cm dbh

Bark gray, rugose

i/b orangy yellow

Flower white.

Fruit green

TW, LF., SB.



X

4311

(3)

Proteaceae

Heliconia

Tree 25 m x 25 cm dbh

Bark grey c. transverse  
shallow grooves, in/bk.  
streaked c. red.

Flower creamy white

TB , TW , LF ,

PHOTO



4312 \*

(2)

Caesalpiniaceae

Phanera

Climber	20m x	5cm. dia
Flower	greenish	white.

STEM LF

PHOTO





4313

X

(3)

Anacardiaceae

~~Spondias~~

Tree 25 x 30cm dia

Bark slightly rugose, brown  
i/b. dark red.

Flower white.

TB

TW

LF

4



4314

X

(3)

Saxifragaceae

*Polygonum integrifolium*

Tree 15 m x 15 cm

Bark brown, shallow, longit.  
cracks : i/b yellowish

Flower white, fragrant  
Y. fruits green

SD, TW, LF

PHOTO



4315 ✓

(3)

Rubiaceae

Timonius

Treelet 7m x 10cm dbh

Back grey-bram, pubescent,  
i/b pale, yellowish.

Fruit green.

SB

, TW

, LF



4316

X

③

Rosaceae

*Prunus*

Tree 20 m x 15 cm.

Bark reddish-brown, 1/6  
red. - slightly grooved.

Aromatic.

Flower white.

TB

TW

LF





2/11/90

(3)

4310 x

Burseraceae

Canarium

Tree 35 m x 40 cm dbh

Bark light reddish-brown,  
tuberculate, aromatic.

Fruit green c. glaucous  
blossom.

TB, TW, LF

(nb)

= 4380



4319

(4)

Lauraceae X

Cryptocarya.

Tree 25m x 25cm dbh.  
Bark brown c. reticulate  
cracks; i/b. orangy-brown

Young twigs rusty tomentum.

Fruit pale green c. silvery  
tomentum

TB

TW

LF

FR.



4320 X

(3)

Myristicaceae

Myristicia

Tree 18m x 20cm dbh

Bark reddish brown, coarsely  
flaking: inner/bk red c.  
red watery sap.

Flowers bright yellow

TB

TW

LF

PHOTO



4321 X

(3)

~~Elaeocarpaceae~~ ✓

~~Elaeocarpus~~

Tree 15m x 10 cm dbh  
Bark. greyish, roughly  
cracking and scaly.  
1/6 yellowish

Senscent leaves bright red

Fruit blackish at maturity  
splitting by 8 valves, seeds  
yellowish

TB , TW , LF





4322

X

(3)

Lauraceae

Litsea

Tree 15m x 11 cm dbh

Bark reddish brown, slightly

rugose

l/bk orangy

Flower bright yellow

TR, TW, LF

PHOTO



4324 +

(3)

Rutaceae

Euodia .

Tree 25 m x 30 cm dia

Bark silver/grey  
slightly cracked and  
lenticilate . i/b. yellowish .

Flower purple .

TB

TW

LF

PHOTO



4325 ✓

3

Melastomataceae

Dissochaeta

Climber to 30m x 3cm  
Flower violet.

LF

TW

ST

PHOTO



4326 X

(2)

Apocynaceae

Alyxia

Climber to 20m x  
white sticky sap

Flower greenish-white.

LF , STEM.

67





3/12/80

(2)

900' Hill N. of camp

4328

Rubiaceae

X

Psychotria.

Climber to 20m x 2cm dia

Flower greenish - white.

LF, TW + STEM.



4329

X

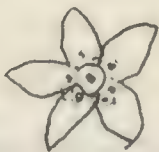
(3)

Tree 45 m x 70 cm dbh

Bark dark brown, l. cracked  
i/b. dark red.

Fruit  $\pm$  spherical. 1 cm dia  
brownish, scaly.

Flower 3 mm dia P 5  
Whitish



TB, TW, LF



4330 ✓

(4)

Myristicaceae

Myristica

Tree 20 m x 20 cm dbh

Bark grey, deeply grooved  
l. / fissured.  
i/b. orangy-red c. red  
watery sap.

Flower yellow waxy.  
Fruit greenish yellow, orange  
- reddish mid.

TB, TW, LF, FR



4331 X

(2)

~~Anacardiaceae~~

~~Araliaceae~~

(Myrsinaceae)

capitato



Under-story treelet 8 or x

10 cm dbh

Bark reddish brown, flaking L

Lvs. 130 cm long.

X m/bk orangy.-red.

Fruits orangy - brown

LF , , SB

PHOTO





X Ochnaceae

(3)

4332

Neckia

Beside Wae Misa 400'

Understory tree 8m x 10cm

Bark brown. ± smooth,

i/b. yellowish

Flower petals salmon pink  
anthers brick red.

Fruit green.

SB, TW, LF.

PHOTO

81



4/12/90

Wae Rusa  
upstream f. camp  
500'

4334 ✓

(3)

Euphorbiaceae

\*

Celastraceae



Treelet 4 m x 7 cm dia.

Bark brown, fissured,  
i/b. whitish.

Flower yellow \*

SB, TW, LF.



4335

X

(3)

Loganiaceae  
Fagraea.

Tree 20 m x 18 cm dbh

Bark reddish brown, tuberculate  
i/b fibrous orange-yellow.

Flower white.

TB, LF, TW



4336

X

(3)

Araliaceae

Schefflera

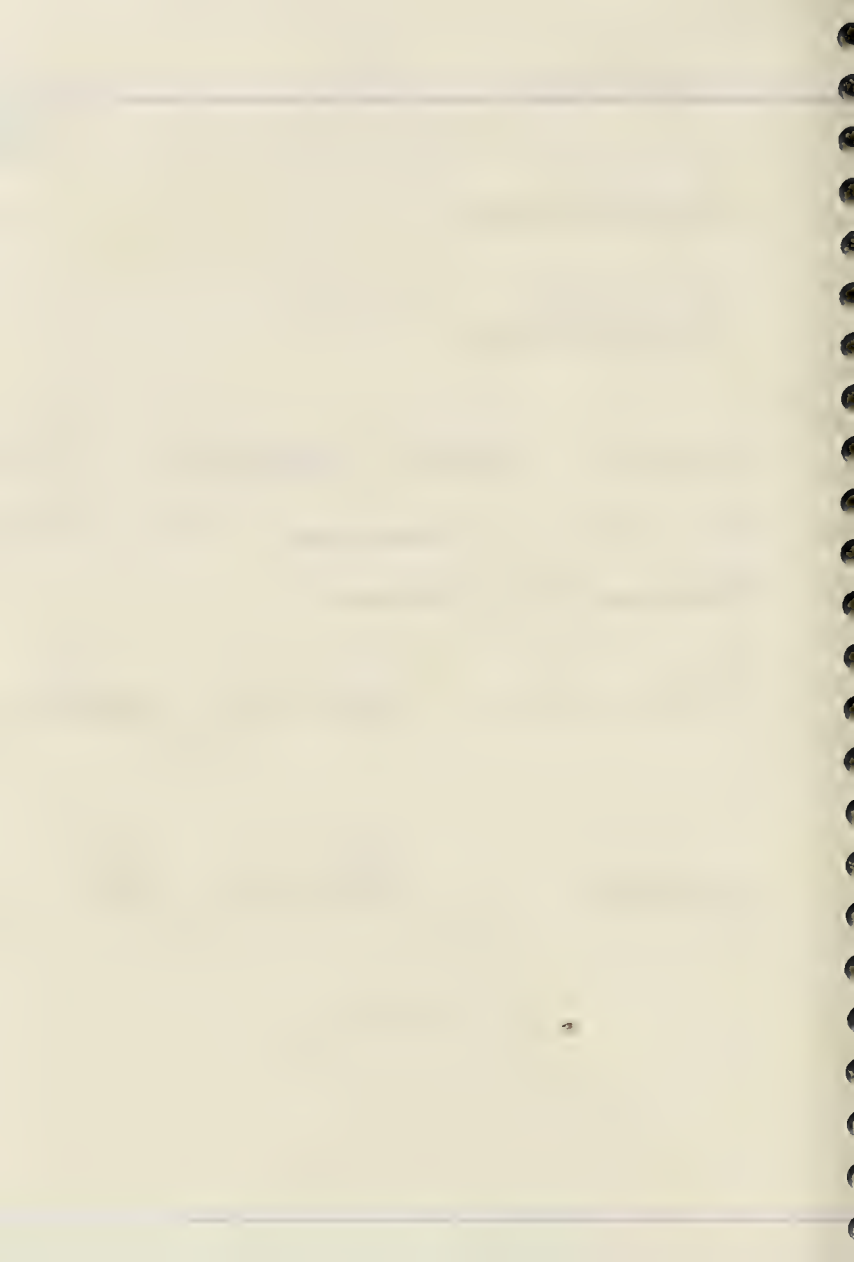
Large woody epiphyte; stems  
to 6 m long x 5 cm dia.

Petioles to 80 cm

Inflorescence 40 cm, yellowish.

Leaflets, Petioles, SB.

PHOTO





4337 X

(3)

Euphorbiaceae

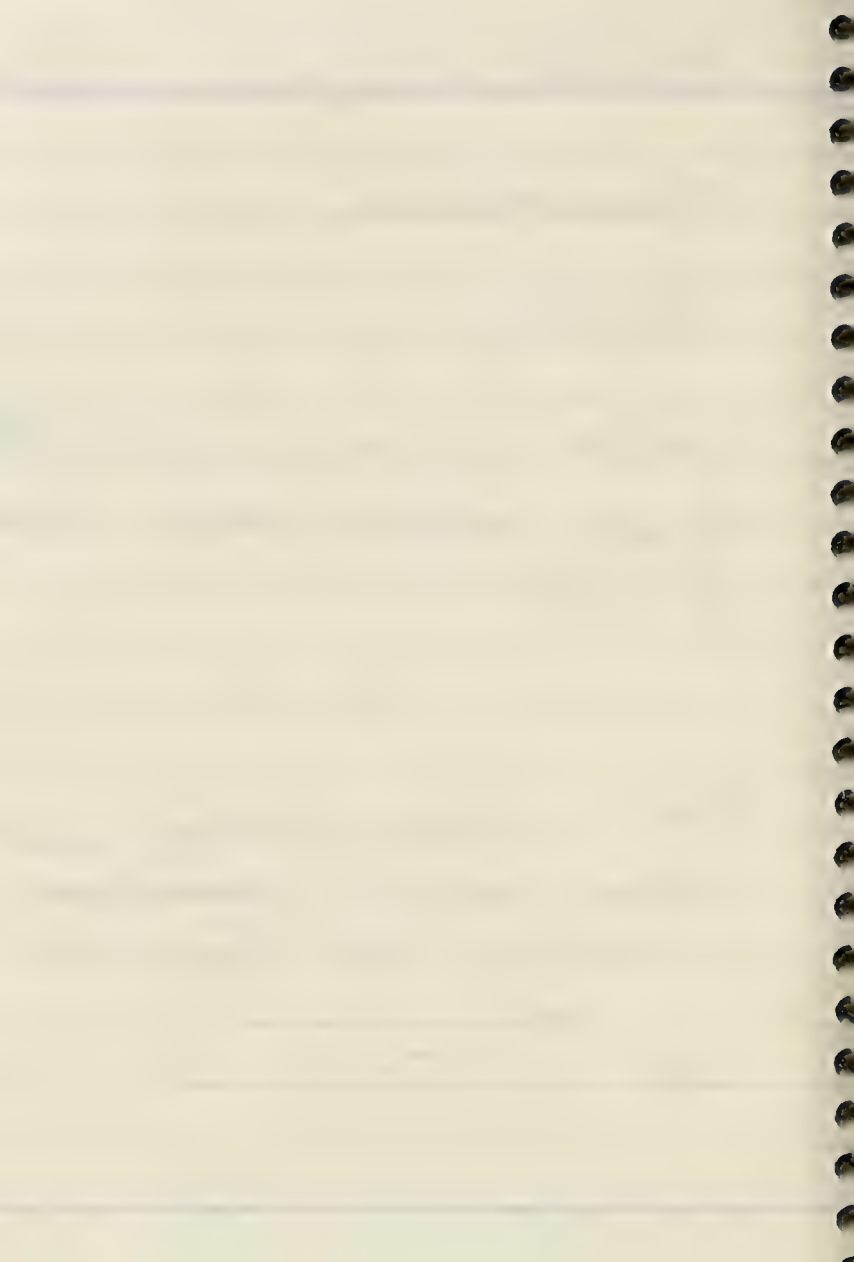
Baccauria.

Treelet 10 m x 10cm dbh.

Bark reddish brown, rugose  
if red.

Fruit orangy - brown <sup>old</sup> wood.  
Flower buds - cauliflorous.  
in axils of old leaf scars.

SB , TW , LF



4338

X

(3)

Apocynaceae

Tree 25 m x 25 cm dbh

Bark brown, rugose

l/b. yellowish.

c. copious white latex.

Flower white, fragrant.

TB, TW, LF



4330

(3)

~~Sterculiaceae~~

~~Holopteres~~ ?

Tree 15 m x 30 cm dbh

Bark . silver-green, smooth  
i/b yellowish .

Fruit yellowish green .

TB , TW , LF



4340 X

(3)

Rubiaceae

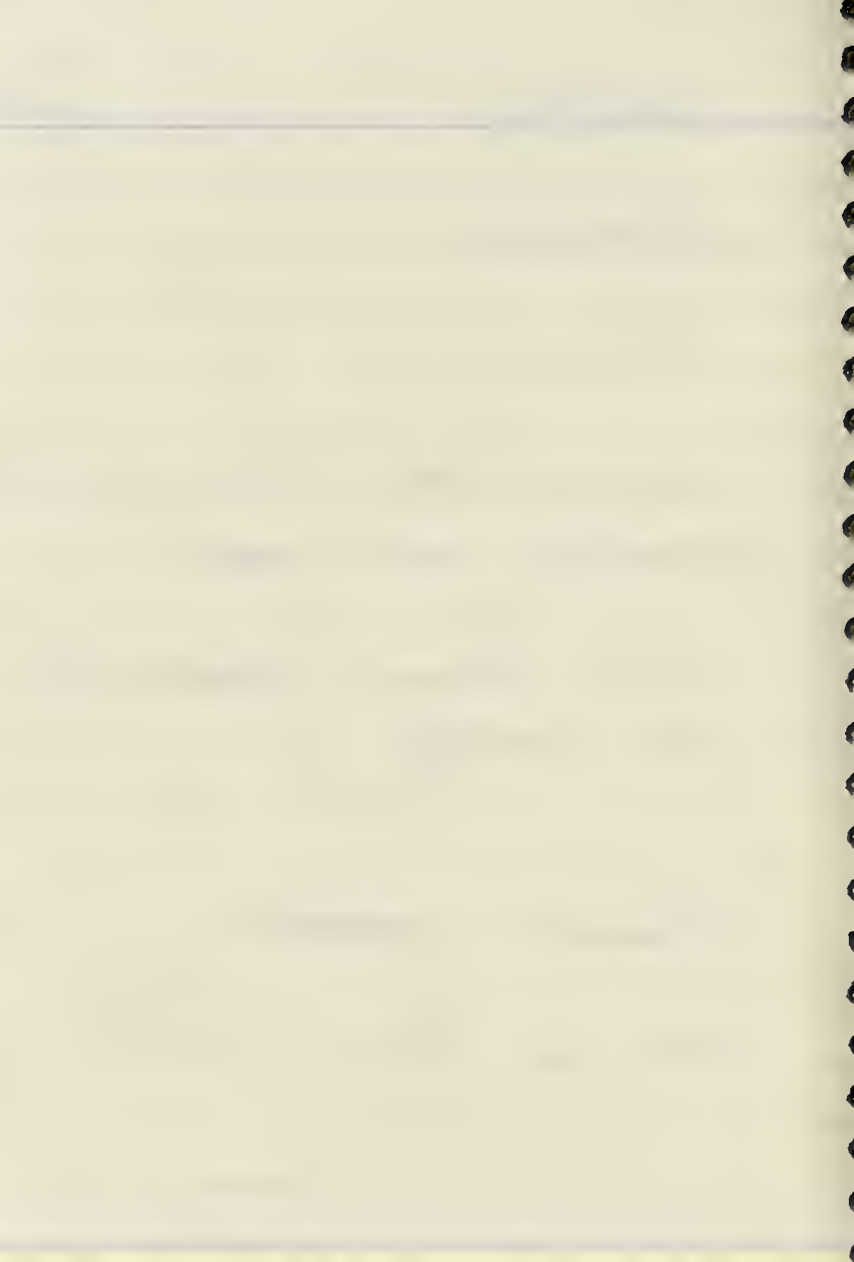
Timonius

Shrubby tree 6 m x 15 cm  
, branching near base.

Bark brown, tuberculate,  
i/b orangey

Flower greenish.

TB , TW , LF





4341

X

(4)

Amoraceae

? Polyalthia. ?

Small tree 10m x 15cm

Bark dark brown, rugose  
i/b orangy.

Flower yellow

Fruit orange/red

TB TW LF FR

PHOTO



4342 /

(3)

Rubiaceae

Guatardia

Treelet 3 m x 7 cm dbh.

Bark, brown, rugose.

l/b. yellowish

Flower yellow

Young fruit pale green.

TB , Tw , LF

109

5/12/90

Ridge above camp. 600'

4343



(3)

~~Euphorbiaceae~~

~~Glochidion~~

Understorey treelet 8m x 8cm

Bark greenish-grey, tuberculate

Flower buds green

1/b. orangy.

SB

TW

LF.

500' River - downstream camp. (2)  
4344 X

Dilleniaceae

Tetracera asiatica / Indica

Climber to 5m. x 3cm

Flower buds pale green

TW LF

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4345 X

Piperaceae

Piper (2)

Climber to 5m, stem 2cm

Infl. brownish.

STEM, LF.

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4346 X

(4)

Rubiaceae

Nauclera

Tree to 15 m x 15 cm dbh

Bark reddish-brown, - slightly  
grooved.

l/b. yellow

Flower greenish-white.

TB, LF, TW, FL

PHOTO





4347

(3)

Apocynaceae }  
(~~Tarbutonae~~ ~~montana~~) } Wue  
Inoi.

Tree 20 m x 25 cm dbh

Bark. silver-grey, warty.  
i/b. orange.

White latex.

Flower tube - pinkish;  
Lbr white.

TB , TW , LF

PHOTO



4348

X

(24)

Myrtaceae

Myrtica

Understory tree 8m x 15cm

Bark. dark brown, rugose  
1/b orange-red c. red  
watery s/g

Fruit orange, aril <sup>sealing</sup> -  
wax red, seed brown.

TB, TW, LF, FR

PHOTO



4349

X

(3)

Myrtaceae  
(Syzygium)

Tree 25m x 30cm dbh

Bark. rusty-red, soft, inflaky  
i/b. dull orange.

Flower greenish } rhom. flor.  
Fruit red. } umbiflorous

TB, TW, LF,

PHOTO



4350 X

(4)

Melrose

Chicocheton .

Tree 30m x 55 cm dbh

Bark brown, rugose, cracked.  
1/6 dark red.

Flower bud, green.

TB , TW , LF , WF

134





6/12/90

Woc Ruwata nr. camp

4352 X

(4)

Ebenaceae

Diospyros

Tree 45 m x 40 cm dbh

Bark black, roughly flaking.

l/b. pinkish-red.

Fruit green (imm.)

TB, TW, LF, FR.



4353 ✓

(3)

Urticaceae / Moraceae

Poikilospermum

Climber to 25m x 3cm

Flowers green and purplish red.

SB , TW LF.



(down river)

4354 X

(3)

Euphorbiaceae

Mallotus

Shrub 5m x 8cm dia  
Bark speckled brown, slightly  
rugose, 1/6 yellow

Flower yellowish - green

SB, TW, LF.



4355 ✓

Voucher only  
PCA

Rubiacae

*Paecleria foetida*

Shrub slender v.

white flower, purple throat  
foetid smell.

Local daun conto-conto

Med. pl. hot water  
infusion - drunk.

Sore throat & fever.

PHOTO





4356 X

(3)

Amoraceae

Melodorum ~~fulgens~~ ?

Climber to 20m x 4cm

Flower buds c. orange  
brown tomentum

SB , TW , LF



4357

X

(4)

Rhamnaceae

Tree 20m x 30cm dbh

Bark brown, l. fissured

1/b. orange, smell of wintergreen

Fruit (imm) green

TB, TW, LF, FR



4358

X

(3)

Symphoricarpaceae

Symphoricarpos

Tree 10 m x 15 cm dbh.

Bark brown, slightly rugose  
1/6 yellowish

Flower buds green  
Fruit black

TB, TW, LF.

[154]



57705453  
GUNUNG AGUNG  
1.507





narrow line

N670 100

メモリ中綴 50Sheets

**maruman**

FRONT

2

SERAM

NOV - DEC 1990

**spiral note**



4 979093 000920

MADE IN JAPAN



[154] cont 1

(3)

4359 X

Loganiaceae /

Rapraei

Shubby / <sup>Tree</sup> to 5m x 10cm dia

Flower dull orange

SB

LF

TW



4360 ✓

(2)

Myrsinaceae

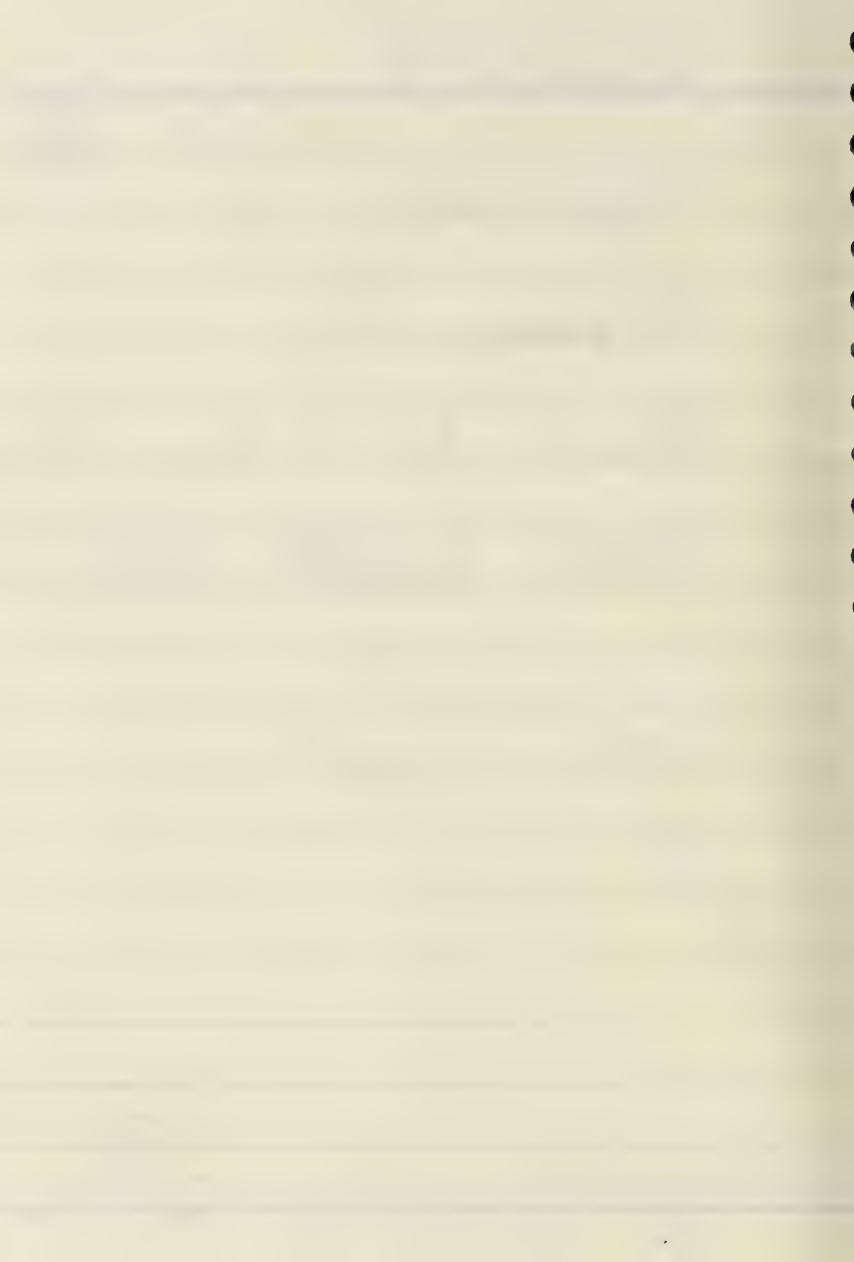
Rapanea

Shrub to 5 m x 5 cm dia

Fruits purplish - blue.

TW , LF

159



7/12/90

Above camp.

4361 ✓

(4)

Anacardiaceae

Tree 40 m x 50 cm dbh

Bark brown with reticulate  
cracks, 1/b - orangy-red.

Clear sticky sap

Fruit green. w. brown tubercles

TB, Tw, LF, FR.





4362 X up River

? Curoniaceae



Tree 15m x 15cm dbh

Bark brown, slightly  
ingose / lenticulate  
yb. pale orange.

Flower white

TR

TW

LK



Photo



4363

X  
④

Rubiacae

*Anthocephalus macrophyllus*

Tree to 45 m x 60 cm db

Bark brown, deeply  
fissured & scaly.

1/6 reddish

Fruits reddish-brown.

TB

TW

LF

FR

PHOTO



4364 ✓

④

Apocynaceae  
Alyxia

Climber 20m x 5cm dia

Corolla white latex  
Fruit orange turning  
black

SB

TW

LF

FR

PHOTO

Rhinophoraceae  
Disabunga

} PHOTO

174



8/12/90

Pen river, camp

4365 ✓

(3)

Comoraceae

Climber 20m x 3cm dia

Flower white, fragrant.

TW, LF, SB

PHOTO





4366

X

(3)

Annonaceae

(? *Mitrocypha*)

Treelet 5 m x 8 cm dbh

Bark dark brown, rugose  
i/b whitish

Fruit red.

TB

, TW

, LF



4367

X

(3)

Gnetaceae

Gnetum ? cuspidatum

Climber to 20m x 3cm

Fruit green

TW , LF , SB .



4368

X

(4)

Araliaceae

Arthrophyllum

Tree 20m x 25cm dbh  
Leaves to 2m, inflo - 1m.  
Bark greyish-brown c.  
broad, shallow l. fissures  
l/b. orangey-white.

Flower green.

TB, TW, LF, INF.

(photo)



4369  $\lambda$

(3)

Myrtaceae

Rhodamnia ? cinerea

Understorey tree 6m x 12cm dbh

Bark reddish brown stringy  
i. peeling; i/b cherry red  
c. sticky sap  
Fruit pale green

TB , TW , LF





4370

X

(4)

Sapindaceae

~~Elastospathy~~ ?

Tree 15 m x 25 cm dia

Bark brown, rugose / tubercul.  
-ole 1/6. orangey.

Fruit bright orange  
seed shiny black.

TB

LF

TW

FR.

194



2/12/90

Watershed X between rivers: 800'

4373

(3)

Rubiacae

Tricalysia ?

Tree 10 m x 10 cm dbh

Bark grey, rugose/tuberculate  
i/b yellish.

Flower orangy yellow  
fruit (imm) green

TB, TW, LF



4374

X Tributary of Misa  
500'

Urticaceae

(2)

Laportea stimulens

Weedy herb to 1.5 m,  
beside river

Stem & leaves with  
irritant stinging hairs

Infl. purple.

LF ST

Med: rubbed on skin  
for pain & tiredness.

PHOTO



4375

X

Euphorbiaceae

(3)

Drypetes longifolia

Tree 15 m x 18 cm dbh

Bark grey ± smooth, lenticulate  
i/b yellowish

Fruits glaucous / greyish hairs.

TB

TW

LF

