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WHITNEY SOUTH SEA EXPEDITION

LOYALTY ISLANDS LOG

L. Macmillan

6966-13-1

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LOYALTY ISLANDS LOGBIRDS NO. 2UVEA

Monday, 7th February 1938

Weather. Fine, clear, sunny, light ESE wind, clouds 30%.

Approaching Uvea saw some darkish upperish petrel, greyish mantle white unders, at considerable distance unidentified. Saw Sterna bergii and S. sumatrana.

Tuesday, 8th February 1938

Fayuwai Camp (south half of island)

Weather. Fine after rain at night. Clouds and sun 40-50%.
Light W wind backing to E, steamy.

Sorting and unpacking gear, etc.

Sk. extra Accipiter ♀ 1 - (see below) (juv. plumage longt. streaks)
2

In coconut plantation close to camp in company with another of the same species (near lagoon side). Did not appear as alert as usual for this species. Appears slightly brighter than usual on back.

Soft parts usual except legs have greenish tinge in juv. and not pure yellow of adults.

W. 283 Tl. 219 (not weighted, scales not unpacked)

Moult Nil Abr. W/T S

Stm. 1 lizards and grasshopper Sk1. appears thick
2

Extra Data ♀ 1 - left ovary about 10-11 mm long
2

R1 ovary very distinct and about 8 mm long and a visible oviduct from it. Very pronounced

Native name - DING

Soft parts Iris yellow

Bill black horn lighter blue horn base,
cire greenish.

Legs and feet greenish yellow Claws black.

A good specimen of juvenile.

Wednesday, 9th February 1938

Weather. Sun and showers after heavy rain at night. Wind E, clouds 60-70%.

Walked inland through coconut groves (swampy) and a low type of bush 20-30 ft. with odd higher trees, many ropes and ferns in a stony scanty soil mostly pure coral rock.

Saw and shot 1 Pachycephala ♂ ad., moult too bad for skin. Noted Myzomela, seems much more numerous than Mare Is. Zosterops were conspicuous by their absence.

Rain necessitated return to camp and continued unpacking, etc.

Thursday, 10th February 1938

Weather. Fine, sunny, very hot, calm and still, clouds 20-40%.

Bush. Coconut groves, native cultivation gardens, etc. in tall teak forest trees up to 40 and 50 ft. with shorter scrub between. Toward narrow part of island north of camp.

Birds. Saw a few Zosterops lat. nig not common, Myzomela card. seems common. Pachycephala ♂ common. Adult ♂ and male in transition plumage shot. ♂ imm. trans. collar inconspicuous and head admistered black and brown. Both in bad condition. Gerygone common, calls louder and stronger and appears larger than Mare Is. (?). Lichmera very common in coconuts, numbers of fledgling about has just finished or still is breeding. Saw 1 Nymphicus (parrot) said to be breeding this month (Jan. and Feb.). Breeds in hollows in teak trees said to have been sadly decreased by 1932-3 hurricane which came in Jan. and drowned hundreds in their hollows. Seems reasonably numerous and not in danger of extinction. Saw only 1 ♂ and 1 ♀ Myagra, do not appear numerous. Aplonis is common. Saw and heard one Triglossus on wing. Halcyon seems common and different to Mare Is. Ptilinopus greyi seems fairly common, Chalcophaps fairly common. Columba not common in this area by all accounts, none seen, Cacomantis calling much and seems common. Collocalia spod leuc. very common, C. uroq. esculenta not so common. Lalage very common and appears the same as elsewhere.

Sk. extra Gerygone ♂ 1 - white juv.
(B) 4

Secondary growth in old garden. Has yellow under and eyebrow like Mare Is. variety.

Iris reddish brown? Bill black Legs and feet black

W. 53 TL. 40 Shot 8:30 A.M. Wt. 7.4 grams

Moult W. sec. covs. 0 Abr. W/T N

TL R.I.L. 1, 6. covs. M

All uppers M (increasing tail to head)

All unders M

Stm. 1 minute insects Skl. not ossif.

4

Sk. extra Myzomela ♂ 1 - white
(C) 2

Lower types 20 ft. scrubs. Specimen excessively fat. Has a great number albanistic feathers, traces juv. plumage.

Iris brown Bill black Legs and feet black

pads (toes) yellowish

W. 61 TL. 44 Shot 7:30 A.M. Wgt. ? 12.3 grams
(minus slightly as injected)

Moult W: R. 11, (x) (poss. 13) sec. 0 Abr. N/T N
L. 1, 2, 3f, 13,) covs M

TL covs. M

All uppers M (increasing tail to head)

All unders M

Stm. 1 insects (vomited honey) Skl. comp. ossif.

4

Sk. extra Halcyon ♂ 1 - white (imm.)
(D) 4

Coastal coconuts. Buff unders prominent and numerous juv. breast marks.

W. 86 TL. 55 Shot 9 A.M. Wt. 46.8 grams

Moult W.R. 5, 6, 19-21,) covs) M Abr. W/T M (?)
L. 5, 6, 19-22) sec.)

TL. R. 2, 3) Colour consid. H.L.

L 2) covs. M

All uppers M

All unders M

Stm. 2 grasshoppers Skl. 2 ossif.

4

4

Friday, 11th February 1938

Weather. Fine dawn, heavy rain, 6 A.M. till 4 P.M. Wind NE.
Clouds 80-100%.

Birds. Saw 1 Accipeter in native garden lands. Pachyaphala
calling much in rain. Saw 1 Trichoglossus. Returned
to camp because of rain.

Saturday, 12th February 1938

Weather. Clear sun and clouds, wind light E. Clouds 15-30%.
Very hot and steamy.

Birds. Usual run of birds, but saw 1 Columba, first seen of
Uvea. Shot numbers of birds but plumage N.G. for skins.

Sk. extra Myzomela ♂ $\frac{1}{2}$ - white
(E)

Coastal coconuts near scrubs.

W. 62 Tl. 44 Shot 6 A.M. Wt. ? 11.6 grams

Moult W.R. 15) covs 0 Abr. W/T S

L. 14)

TL R 5f covs 0

All uppers M

All unders M

Stm. 0 residue (vomited honey) Skl. comp. ossif.
0

Sk. extra Cacomantis ♂ $\frac{1}{2}$ white U.T. (RT $\frac{1}{2}$ - LT $\frac{1}{2}$ +)
(F)

Tall teak forest and garden clearings. Seems common.

Lighter unders than Mare (?)

W. 135 Tl. 140 Shot 8 A.M. Wt. 50.6 grams

Moult W.R. 2, 5, 11) covs M Abr. W/T N.

L 2, 5, 11)

TL R 1,4,5.) covs M

L 1,3,5))

Rump, back, M, nape 0 crown C

All unders M

Stm. 1 caterpillars Skl. 1 ossif.
1 3

Soft parts Cacomantis usual.

Sunday, 13th February 1938

Weather. Sunny and very hot, clouds 15-30%, no wind.

Straightening up camp affairs.

Monday, 14th February 1938

Weather. Sunny and very, very hot, light ESE breeze, clouds 15-20%.

Birds. Went to sand spits between Uvea, Leking and Moli Islands in south after sea birds which perch in great numbers here and fish the shallow water channels between the islands. Saw Limosa, Pluvialis and Tringa and 1 blue Demigretta in waders. Sterna bergii very common and Sterna sumatrana (?) adults and young very common and 1 pair of Pheaton lepturus high overhead.

Shot about 15 Sternas and took a few for skins but bulk turned bad in extreme heat. One way home saw 1 Accipiter. Natives speak of 4 small lakes or swamps where ducks are present. Seem to recognize plates of Anas and in doubt about a teal, say Nyroca is not present. Also speak of a heron, but know of no spoon bills or other water birds.

| | | | |
|-----------|-----------------------------------|---|-----------------------|
| Sk. 149 A | <u>Sterna sumatrana</u> ♂ ad. |) | |
| Sk. 149 B | <u>Sterna bergii</u> ♀ |) | Data on labels. Not |
| Sk. 149 C | <u>Sterna sumatrana</u> ♀ Juv.? |) | in log in haste to |
| Sk. 149 D | <u>Sterna sumatrana</u> ♂ Adult ? |) | save a few skins. |
| Sk. 149 E | <u>Sterna sumatrana</u> ♀ Juv. ? |) | Not moulted. |
| | | | Definition of species |
| | | | on guessed at. |

Sk. 148 Porphyrio ♀ 1 ++ full sized egg in oviduct (with skull)
 1 oviduct fully enlarged. Many oocytes
 from 5 down to 3 mm diam.

Soft parts usual. Shot in native taru garden.

W. 235 Tl. 89 Shot 4 P.M. Wt. 588 grams

Moult Nape 0 Abr. W/T M

(not properly examined in hurry)

Stm. $\frac{1}{2}$ seeds, grit, vegetable matter Skl. $\frac{1}{2}$ ossif.

Tuesday, 15th February 1938

Weather. Fine, sunny, very, very hot. No wind. Clouds 20-30%.

Skinning in camp.

Wednesday, 16th February 1938

Weather. Fine, sunny till 9 A.M. Dull thundery rain 4 P.M. and through night. Electric storm.

Birds. Usual run.

Sk. 150 Nymphicus ♀ $\frac{1}{2}$ - repose

Shot feeding in lower scrubs between teak forest (40 ft. trees, 20 ft. scrub). Feeding 15 ft. from ground in garden edge near paw paws which natives say it eats.

Badly shot damaged and in shocking moult.

Iris reddish orange Bill black Legs, feet and claws black

W. 155 Tl. 148 Shot 9 A.M. Wt. 114.8 grams

Moult W: R. 2,7,10,12,16,)
L. 2,7f, 10,12,16) sec, covs. M Abr. W/T N.

TL. R, 1,2,3,6)
L 1,2,3,6) covs. M

All uppers M

All unders M

Stm. $\frac{1}{1}$ hard red seeds (chewed up fine) Sk1. $\frac{3}{4}$ ossif.

crop $\frac{1}{1}$ hardish black skinned seed,

1 white centres, with astringent taste.

Natives say this species breeds in hollows in teak trees during Jan. and Feb. but this bird is not in breeding condition, possible it is a last year's young and they do not breed the first season. Unfortunately it is a poor specimen for a skin.

This species is not common and not uncommon and providing it does not have further exceptional hurricanes to face should not become extinct. Locals say it was very common before 1932-3 hurricane in Jan. when scores were drowned in hollows (see my notes on hurricane in N.H.). Snakes attack egg and young and take up residence in the hollows of nesting sites. Its worst factors for depopulation in order are I think, 1. Cyclones with exceptional rains, fortunately rare here, but drastic when they occur, 2. snakes, 3. humans. 2 and 3 about equal, but 2 tending to mitigate 3 as locals are scared of snakes and it is the young which 3 affects mostly.

Thursday, 17th February 1938

Weather. Dull, cloudy, overcast, clouds 100%, very light NE airs.
Electric storm previous night. Rain from sunset and during night.

Birds. Saw 1 blue Demigretta following lagoon edge, note numbers of Lichmera feeding young.

Friday, 18th February 1938

Weather. Sun and cloud and showers, light NE airs, clouds 60-80%.

Birds. Walked to St. Paul, E of Fayuiwai. Usual run of birds.
Zost. lateralis seemed more common. Pachyciphala common in scrubs. Saw 1 Accipiter, appeared like ♂ ad.

Sk. 151 Lalage ♂ $\frac{1}{2}$ - black or very dark grey.

Central 20 ft. scrubs. Iris brown Bill black
Legs, feet and claws black.

W. 89 TL. 84 Shot 7:30 A.M. Wt. 26 grams

Moult W.R. 5,6,10,17) Abr. W. outer prim M

L 4,5,10,17) cov. M inner N

sec. M TL. M

TL R. 1, Ll, covs. M

All uppers M

All unders M

Stm. $\frac{1}{2}$ fruit

Skl. Comp. ossif.

Sk. 152 Halcyon ♀ $\frac{1}{4}$ +

Shot on beach. 11 A.M.

Soft parts Iris brown

Legs, feet Dark slate

W. 89 TL. 56 Wt. 37.5 grams Pads Dark flesh

Moult Nape Covs.) W/T (+)

Neck 0)

Abr. W. nil

TL. slight

Color cons.

Stm. $\frac{1}{1}$ grasshoppers

Skl.

Sk. 153 Nymphicus ♂ $\frac{1}{4}$ imm.

Shot 8 A.M. teak forest in company of three others. No red on head and pale bill, possibly juvenile. Seven seen but wild and shy.

Sk. 153 Nymphicus (continued)Soft parts Iris dirty brown white (old ivory)Bill white and yellow horn with streaks
black hornLegs, feet and claws black.W. 163 Tl. 154 Shot 8 A.M. Wt. 135 gramsMoult Rump 0 Abr. W/SAll unders 0 Chin C T/CStm. 1 guava seeds, seeds) hard
1 black and red hard shells) seedsSkl. Ossif. marks all over even but
skull thin and clear, not thick.Sk. 154 Lichmera ♂ $\frac{1}{4}$ - white

Central 20' scrubs 7 A.M.

W/T (measurements overlooked) Wt. 16.7 gramsMoult W. R. 8,9) covs. & secs. M Abr. Tl. slight
L 8,9) Color cons.

Tl. - covs. cons.

All uppers and unders MStm. $\frac{0}{0}$ seeds Skl.

Saturday 19th February 1938

Weather. Heavy constant rain till 4 P.M., showers from then on.
Clouds 100%, wind light NE & N and N airs.

Sunday, 20th February 1938

Weather. Close, hot, sun and cloud. Clouds 60-80-100%. Light
NW airs.

Monday, 21st February 1938

Weather. Close, hot, cloudy, little sun. Odd showers, light
W and SW airs, clouds 80-100%.Birds. Noted Sterna bergii feeding along beach margins after
heavy W swell.

Sk. 155 Nymphicus ♀ 2 - O.V.S.E.

4

Shot in tall teak forest (Inimaha area). Badly shot damaged and in bad moult.

Soft parts usual. Bill black blue horn base.

W. 156 TL. 148 Shot 4 P.M. Wt. 101.8 grams

Moult W.R. 3, 4f, 6, 9, 19) covs. 0 Abr. W/S
L. 3, 4f, 6, 18) TL/M
TL. R, 3, 5) covs. M
L 3, 4)

All uppers M) Broadly speaking

All unders M) decreasing tail to head.

Stm. 1 small hard seeds (? grass)

1

Crop 1 large white soft seeds astringent.

1

Skl. 2 ossif.

10

Natives seem to be wrong in their ideas of nesting months as so far all 3 taken show Nov. or Dec. as breeding times.

Tuesday, 22nd February 1938

Weather. Sun and cloud, light westerly breeze. Clouds 40-60-80%.

Birds. Noted Mongolian dottrel or plover along the beach. Wild and shy. Sterni bergii feeding on refuse along coast washed up by westerly swell.

Wednesday, 23rd February 1938

Weather. Fine, clear, sunny, very hot, clouds 5-10% and 80%
 6 P.M., light SW wind.

Birds. Walked down and through brackish swamps S and E of island (rise and fall with tide). Mangrove swamps, small lakes, etc. Saw 2 ducks probably Afnas super. Fine place for bitterns but saw none and boys know of none. Ducks wild and shy and too much cover for possible collecting. Noted Collocalia there appeared more rusty than elsewhere but closer examination showed only. Pachycephala very common even right in swamps. Several Columba seen but not especially numerous. Zost. lat. fairly common in this area. (Saw flying forces mating, Mamals). Halcyon very common. Aplonis not numerous. Lichmera very common in mangroves and coconuts. Saw several Myagra. Natives know of 3 kinds of rails in and about swamps. P. tabuensis they call Bang. Noted Hirundo is present but not common.

Sk. 156 Collocalia (spod. leucop.) ♂ $\frac{1}{2}$ - white

W 111 TL. 49 Shot 4 P.M. Wt. 8.4 grams
Moult Nil Abr. W/TN
Stm. $\frac{3}{4}$ insects Skl. $\frac{1}{3}$ ossif.

Specimen very fat.

Thursday, 24th February 1938

Weather. Dull, showery, wind SW moderate, clouds 100% visibility very bad (3 miles).

Birds. Noted Sterna bergii feeding along shore margins. 2 Fregata passed over camp. Others seen at great distances to the NE. One specimen shot.

Sk. 157 Fregata (minor) ♀ $\frac{1}{2}$ + O.V.S.E.

Shot flying over camp, one of a pair. Has winged parasites and lice.

Span 1975 W. 570 TL. (in 170 Shot 4 P.M.

Wt. 1290 grams out 309

Moult WR (x) 6, 16, 26) covs. C) many prim. Abr. W/T Nil

L 6, 13, 23, 29) sec.) just finished

TL. R, 3 upper covs. C

upper back, nape, crown 0

belly breast, neck 0

Stm. $\frac{0}{0}$ fish bone residue Skl. thick opaque

Soft parts Iris dark brown bare skin around eye blue.

Bill pale blue horn lighter tip, pouch blue flesh.

Legs and feet pale flesh, claws pale horn

Native name - ATAUH, southern dialect.

Friday, 25th February 1938

Weather. Sun and showers, very hot light NE airs. Haze all over sky, clouds 60-80-100%.

Birds. Waded extensive swamps, much of area under taru gardens. Saw 1 Hypotaenidia, caught 1 adult Anas sup. pil. in eclipse moult, all wing green in full moult, tail none, body considerable moult. Saw 1 other Anas not in moult (on wing) 1 caught, 1 small black rail juvenile. Appears like juv. Hypotaenidia but natives are positive it is a juv. P. tabuensis, so collecting it. Rail U.S. gonads damaged.

Extra Iris muddy brownish Bill black pale tip.
 Juv. Sk. Legs and feet blackish
Wt. 37 grams Stm. 0
 0

Anas super pil. weighed 625.5 grams.

Saturday, 26th February 1938

Weather. Sun and cloud, very hot and close. No wind, clouds 60%.

Birds. Usual run of birds seen. 1 Anas shot on lakes (brackish) inland a little from the coast and passage between Lakin Is. and the mainland.

Sk. 158 Anas super pel. ♂ 1 grey, 48 mm x 22 mm Wt. 13.8 grams
 1

Fairly common about lakes and swamps, said by natives to be the only duck present. Very wild and shy and has good cover in these areas. Said to be common at St. Joseph in the north of the island.

Iris brown Bill dark Legs and feet greenish tan, darker webs.

W 247 TL 83 Shot 2 P.M. Wt. 835.5 grams

Moult TL L, 1, 4 covs. 0 Abr. W/T N.

Nape 0

All unders 0 x chin (few)

Stm. 0 residue seeds Skl. thick and opaque
 0

Sunday, 27th February 1938

Weather. Fine, clear, sunny, light E breeze, clouds 5-10%

Went to north end of island (St. Joseph) to make inquiries about means of getting sea birds at Beupre reefs 40 miles W of Uvea. Told there are seven species nest there, some others which don't nest. 2 kinds Frigata, small pure white tern (Gygis?) several Sternas possibly a booby (?) Falco attacks sea birds to a great extent.

On road to St. Joseph saw 5 adult blue Demigretta, 2 juv. blue Demigretta. Road follows coast for about 2/3 of distance of 14 miles. Returning saw 2 adult and 1 juv. blue. Also saw Circus and 1 Porphyrio. Heard what sounded like a Turdus but natives do not seem to know of any present and have seen none in our bush rambles.

Monday, 28th February 1938

Weather. Fine, clear, sunny, light SE breeze, Clouds 15-20%.

Shot in bush but moult too bad. Usual run of birds.

Tuesday, 1st March 1938

Weather. Sun and cloud, sprinkles rain, moderate SE breeze, clouds 30-40%.

In camp writing notes on Mare Is. etc.

Wednesday, 2nd March 1938

Weather. Clear, sunny, moderate SW wind, clouds 5-10%, increasing to general haze and 15%.

Sk. 159 Accipiter (adult) ♂ $\frac{1}{2}$ white

Shot approx. 11 A.M. in coconut groves near native village (Benoitt)

Soft parts usual. Iris bright yellow. Leg yellow, feet bright yellow.

W. 241 Tl. 177 Shot 11 A.M. Wt. 244 grams

Moult W.R. 1f,) covs. C Abr. W/T N
L. 1f)

Upper back, nape, crown 0 (few)

All unders odd few nattered (crown 0)

Stm. 0 empty Sk1. comp. ossif.
0

Thursday, 3rd March 1938

Weather. Fine, sunny, moderate to fresh W or WSW wind, clouds 20-30%. Hurricane sky and colours at sunset.

Friday, 4th March 1938

Weather. Fine sun and clouds, wind fresh WSW, clouds 30-40%
Wind died at 4 P.M. Light northerly airs, clouds 40-60%.

Saturday, 5th March 1938

Weather. Dull, overcast, cloudy, light varying winds, clouds 80-90%. Rain from 4 P.M. onwards.

Sunday, 6th March 1938

Weather. Dull, cloudy, showery, winds E to NE. Clouds 80-100%.

Monday, 7th March 1938

Weather. Sun and cloud and showers, wind gusty E and NE. Clouds 60-80%. Heavy rain during afternoon, cloud 100% stormy.

Tuesday, 8th March 1938

Weather. Dull, cloudy, showery and heavy rain. Clouds 20, 40, 80 and 100%. Heavy rain in latter part of day. Windy, gusty strong ENE.

Wednesday, 9th March 1938

Weather. Dull, cloudy, showers, heavy rain. Clouds 80-100%. Wind gusty NE to NNE. Cyclone evidently started E of NE and passing westward to N of Loyalties by glass and weather, responsible for past week's bad weather and big seas.

On letters and mail and Mare. Notes during bad weather and bad moult.

Sk. 160 Porphyrio ♂ 1 white Test. 24 x 10 mm.

1

Shot 6 A.M. Native taro cultivation swamp.

Soft parts Iris red. brown Bill red, pale base and streaks

Legs, feet pink Claw light brown

Pads light flesh

W. 239 Tl. 76

Wt. 603 grams Abr. W/T Cov.

Moult W.R. (x) Up back covs. Nape cov.

Breast C Neck & chin C Legs 0

Stm. 1 swamp grass seeds and vegetable matter

1 (Scalpular stitch overlooked) Sk1.

Thursday, 10th March 1938

Weather. Windy, wet, dull. Cyclone increasing, torrential rains, gusts up to 25 MPH, clouds 100%.

Friday, 11th March 1938

Weather. Hurricane centre approaching from NW. Wind NE To to ENE, gusts up to 35 MPH. Clouds 100%, rain constant many inches. Tropical downpour.

Saturday, 12th March 1938

Weather. Heavy rain all day, wind ENE and E, strength 6, gusts up to 40 MPH. Clouds 100%. Wind falling during night.

Sunday, 13th March 1938

Weather. Dull, cloudy, light N airs. Clouds 90-100%, showers.

Log closed for posting.

Monday, 14th March 1938

Weather. Dull, cloudy, showery, light NW airs. Clouds 80-100%

Tuesday, 15th March 1938

Weather. Fine, sunny, very hot and steamy, no wind clouds 10-20-40%.

Wednesday, 16th March 1938

Weather. Fine sun and showers, fresh E to ESE breeze. Clouds 20-40%, very hot.

Phogue arrived with mails. Got all Mare notes complete and away to Mayr. Also Erromango N.H. except moult.

Thursday, 17th March 1938

Weather. Fine sun and cloud. Gusty fresh S breeze. Clouds 20-40%.

Phogue left 4 P.M.

Friday, 18th March 1938

Weather. Fine sun and cloudy. Gusty strong E wind. Clouds 10-50%.

Saturday, 19th March 1938

Weather. Sun and showers, strong NE breeze. Clouds 40-60%.

Sunday, 20th March 1938

Weather. Sun and showers, strong NE breeze. Clouds 40-60%.

Monday, 21st March 1938

Weather. Fine, sunny, strong NE breeze. Clouds 40-60%,
showers at 4 P.M.

Bush. Very low 10-15 ft. scrub amongst coconuts and 20-25 ft. forest, much underbrush fern and vines, etc. Numerous banyans.

Birds. In low scrub saw 1 Pachycephala ♂ sub. ad., numerous Zost. la. and Lichmera mostly ♂, Myzomela ♀, a few Gerygone lemon unders, Lelage, Aplonis a few, one feeding on ground.

In taller 20-25 ft. scrub. Myzomela very common, all phases, Lichmera ♀ few, and a few males near coconuts, Myagra 3 ♀ plumage, many Pachycephala ♂ ad. and sub ad. ♂, 1 Cacomantis, a few Gerygone lemon unders and white unders. Aplonis common, 1 Ptilinopus greyi, 1 Chalcophaps.

All birds very active and calling much. Heard 1 Chalcites near beach, strong high note possibly more robust than usual.

Sk. 161 Pachycephala ♂ $\frac{3}{4}$ - white

Shot 20-25 ft. scrubs, many vines and much underbrush.

Soft parts Iris dark brown Bill black Legs and feet dark slate, pads pale, claws dark horn

Shot 9:30 A.M. Wt. 41.2 grams W. 102 Tl. 75

Moult Crown cheek 0 Abr. W/T N
Chin 0

Stm. $\frac{3}{4}$ spiders, grub, beetles Skl. Comp. ossif.

Sk. 162 Aplonis ♀ $\frac{1}{2}$ O.S.E.

Soft parts Iris reddish orange Bill, legs, feet, claws black

W. 107 Tl. 60 Shot 10' scrub area 8 A.M.-10 A.M.

Sk. 162 (Continued)

Moult W.R. 1) Covs. 0 Wt. 59.4 grams
 L. 1) Abr. W nil Tl. slight
 Lower back and back C
 Nape, crown 0
 Chest 0 Neck 0
Stm. $\frac{3}{4}$ fruit and seeds Skl. Comp. ossif.

Sk. 163 Lichmera ♀ $\frac{1}{4}$ - imm.

Shot in 20 ft.-25 ft. forest, close to coconuts.
Iris dirty whitish brown Bill black gape soft yellowish
Legs and feet blue slate

Shot 10 A.M. Wt. 12 grams W. 64 Tl. 54
Moult W. great covs. M Abr. W/T N
 TL. L 4 covs. M
 Rump back M Nape crown 0
 All unders M
Stm. $\frac{1}{4}$ insects Skl. $\frac{1}{10}$ ossif.

Sk. 164 Myzomela imm. ♀ $\frac{1}{4}$ - (sex verified ♀)

Shot 25 ft. forest feeding in upper layers of leaf canopy. Very fat.

Iris dark brown Bill black paler base Gape yellowish
Legs and feet black Pads yellow

Shot 9 A.M. Wt. 7.6 grams W. 53 Tl. 35.5
Moult W covs. 0 Abr. Nil

TL covs. M (x)
 All uppers M
 All unders M (neck, chin)
Stm. $\frac{1}{2}$ minute insects Skl. Not ossif.

Sk. 165 Lichmera ♂ $\frac{1}{2}$ + white

W. 75 Tl. 61 Wt. 15.9 grams
Shot 8 A.M. - 10 A.M. Low 10' scrub area.
Moult WR 1f, 13f, 14 Abr. Nil
 L 1f, 13f
 TL R1
 L1
 Back C Nape 0 Crown 0
 Belly C Breast 0
Stm. $\frac{1}{4}$ insects. Skl. Comp. ossif.

Sk. 166 Myzomela ♀ $\frac{1}{4}$ + Very fat.

Shot 8 A.M. in low 8 ft. scrub amongst coconuts (native plantations).

Soft parts as above. Badly shot damaged.

Shot 8 A.M. Wt. 7.7 grams W. 54 TL. 38

Moult TL (x) R1 L4 Abr. W/T N

Rump back M Nape 0 Crown M

All unders M

Stm. $\frac{1}{2}$ nectar, small insects Skl. $\frac{1}{2}$ ossif.

Sk. 167 Lichmera ♂ $\frac{1}{2}$ - white (L test. slightly larger)

Shot in coconuts. Soft parts usual.

Shot 8 A.M. Wt. 16.7 grams W. 75 TL. 62.5

Moult W. R. 1f, 2F, 16) covs, sec. 0 Abr. W/T N
L, 1f, 2f, 3f, 13, 15)

TL. R, 1, L.1

All uppers 0 to C Stm. $\frac{1}{2}$ insects

All unders 0 to C 2

Skl. Comp. ossif.

Tuesday, 22nd March 1938

Weather. Sun and clud and showers, strong gusty E wind. Clouds 60-70-80%.

Writing mail all day.

Wednesday, 23rd March 1938

Weather. Overcast, cloudy, light haze all over sky at times. Clouds 60-80%, wind gusty strong E.

Scrub. Low 20-25 ft. forest, fairly dense underbrush, ferns, etc. much vine growth.

Birds. Usual run of birds. Myagra very scarce, 1 only seen, Myzomela common all phases. Aplonis common, Pachycephala fairly numerous, ♀ or sub. ♂, gives different call. Heard several uncommon calls today all traced to Pachy. Gerygone not common. 1 Cacomantis calling. Noted birds were feeding mostly in upper leaf canopy today. See individual Pachy 168-9.

Sk. 168 Pachycephala ♀ $\frac{1}{2}$ + 0.S.E. I previously thought this

plumage was the imm. ♂ phase so my note of yesterday re absence of ♀ was wrong probably. Very fat.

Female sub ♀ plumage. Shot in 20-25 ft. forest with dense underbrush, many shrubs, vines, ferns.

Iris reddish brown Bill black Legs and feet pale slate
Claws horn Pads pale.

Shot 10 A.M. Wt. 40.5 grams W. 96 Tl. 70

Moult back nape crown 0 few cheeks 0 Abr. W/T N
neck 0 chin M

Stm $\frac{1}{4}$ bright beetles Skl. $\frac{3}{4}$ ossif.
 $\frac{4}{4}$ (metallic skin)

Aplonis ♂ $\frac{1}{2}$ - R.T. white L.T. black
2

W. 113 Tl. 63 Shot 8 A.M. Wt. 67.8 grams

20' - 25' forest. Shot near ground.

Moult W.R. 1, 2f, 11C)
L. 1, 12, 12, 13) Covs 0 Abr. W/T Nil

Tl. R. 5

L. 3

Upper back C Nape 0 Breast 0

Stm. $\frac{1}{2}$ fruit seeds Skl. Comp. ossif.
2

Too damaged for skinning.

Sk. 169 Pachycephala ♂ $\frac{1}{4}$ - white sub. ad.
4

♀ plumage phase. Soft parts usual. Has lice on wing primaries. Shot 20-25 ft. forest, underbrush, vines, ferns, etc. Shot 8 A.M. Wt. 39.85 grams W. 101 Tl. 73

Moult W.R. 1f, 12f, 13-15)
L. 1f, 12f, 13-15) sec. M Abr. W/T N
TL und. covs 0 covs. M

rump 0 back M nape 0 crown M cheeks 0

belly 0 flank 0 breast C neck, chin M

Stm. $\frac{3}{4}$ insects, beetles, hard grubs Skl. $\frac{1}{2}$ ossif.
 $\frac{4}{4}$

Indistinguishable from ♀ in field

Have not heard this plumage phase use the common ♂ call.

♀ and imm. as easier to call to one than ♂ ad. who will answer but not approach observer.

Sk. 169A Pachycephala ♂ $\frac{3}{4}$ - white

Shot 10 A.M. 20' forest area.

W. 104 TL. 71 Wt. 40 grams

Moult W.R. (x) 14

Abr. W/T Nil

L. 14

Up. back 0

Belly 0 breast 0

Stm. $\frac{3}{4}$ insects

Skl. Comp. ossif.

$\frac{4}{4}$

Sk. 170 Myzomela ♂ $\frac{3}{4}$ - white ad.

20-25 ft. forest, much underbrush, ferns, vines, etc.

Feeding in top leaf canopy.

Iris ? bill black Legs, feet and claws black pads pale

Shot 8 A.M. Wt. 9.7 grams

W. 62

TL. 43

Moult back 0 crown 0

Abr. W/T N

all unders 0

Stm. $\frac{1}{4}$ minute insects

Skl. Comp. ossif.

$\frac{4}{4}$

Sk. 171 Myzomela ♂ $\frac{3}{4}$ - white ad.

20-25 ft. forest in secondary shrubs. Note all Myzomela so far have had a patch of pollen on the base of the bill from flower sucking in some cases it has been fairly hard.

Iris brown Soft parts usual.

Shot 8:30 A.M. Wt. 9.95 grams

W. 62

TL. 43

Moult crown 0

all unders 0

Abr. W/T N

Stm. $\frac{1}{4}$ insects, honey

Skl. Comp. ossif.

$\frac{4}{4}$

(Has abdominal parasites, small thread worms)

Aplonis Mr. L. saw a pair of Aplonis on ground in scrub locked together whether in coitus or an adult driving away young is uncertain but they remained locked almost long enough for him to catch them under his hat.

Thursday, 24th March 1938

Weather. Fine, sun and cloud, gusty moderate E wind. Clouds 40-50%.

Bush. Low 25 ft. forest, much secondary growth, ferns, vines and underbrush.

Birds. Usual ones seen. Zost. lateralis favors more open types scrub.

Sk. 172 Pachycephala ♂ $\frac{1}{2}$ (L.T. $\frac{1}{2}$ + white R.T. $\frac{1}{2}$ black)

Shot 20 ft. forests. Soft parts usual ♀ plumage. Has great number of lice.

Shot 5:30 P.M. Wt. 41.4 grams W. 100 TL. 74

Moult W: R. 1f, 14, 15) covs 0 Abr. W/T N
L. 1f, 14, 15)

Back, nape, crown 0 Cheeks 0

Belly, vent, flanks, breast 0

Stm. $\frac{1}{1}$ large caterpillar Skl. $\frac{2}{10}$ ossif.

Zosterops ♀ $\frac{1}{4}$

W. 59 TL. 44 Wt. 16 grams

Shot 20' forest area. 6 P.M.

Moult W.R. 8.9) covs. M Abr. W/T Nil
L. 9)

TL R 1.45)

L. 5) covs. M

All ups. M All unders M

Stm. $\frac{1}{2}$ seeds Skl.

Too damaged for skinning.

Sk. 173 Lalage ♀ $\frac{1}{2}$ + 0.S.E.

Feeding in tree tops 20 ft. forest.

Shot 5 P.M. Wt. 22.9 grams W. 82 TL. 75

Moult W.R. 1, 2f, 12, 15) sec. 0

L. 1, 2f, 6, 12f, 15) covs. M

Abr. W/T N. (X1 tail much colour)

TL. 6, 4, 5, 6F covs. M

Rump M back C nape M crown 0

Belly flanks, breast, neck M chin 0

Stm. $\frac{1}{2}$ grubs, insects Skl. Comp. ossif.

Sk. 174 Myzomela ♂ $\frac{0}{0}$ + white juv. Nib ad ♂ plumage

Shot 5:45 P.M. Wt. 10 grams W. 60 TL. 40

Moult W. covs. M

TL covs. M

Abr. W/T N

All uppers 0

All unders M

Stm. $\frac{1}{1}$ insects small black Skl. No ossification
1 seeds hard shell white

Friday, 25th March 1938

Sk. 178 Nymphicus ♀ $\frac{1}{4}$ -

Very high up in tall 40-50 ft. teak trees in forest behind Iahnimaha. Camped for heat of day.

Iris dirty pale brown. Bill white horn dark streaksLegs, feet and claws black.Shot 12 Noon Wt. 103.2 grams W. 156 TL. 146Moult W.R. (x)

TL. (x)

Abr. W/T N.Crown 0Stm. $\frac{1}{1}$ chewed seedsSkl. $\frac{3}{4}$ ossif.Crop $\frac{1}{4}$ white soft seedsSk. 179 Nymphicus ♀ $\frac{1}{2}$ +

Very high in tall teak tree, camped for midday. In forest behind Iahnimaha.

Soft parts Iris orange Bill blue home base black tipLegs, feet and claws blackShot 2 P.M. Wt. 111.4 grams W. 158 TL. 149Moult W.R. 1, 9, 13-15)L. 1, 9, 13, 14) under covs. MTL. R 1, 11, covs. MAbr. W/T N.Rump back 0 nape, crown MAll unders C neck, chin MStm. $\frac{1}{1}$ chewed seeds (brown)Skl. Comp. ossif.Crop $\frac{1}{4}$ paw paw seedsSk. 180 Cacomantis ♂ $\frac{1}{2}$ - white (LT $\frac{1}{2}$ RT $\frac{1}{2}$ -)

Forest and garden lands

Iris crimson Bill black Legs and feet yellowish with darker streaksShot 7 A.M. Wt. 55.8 W. 136 TL. 145Moult W.R. 3, 7, 11f)L. 3) covs. 0Abr. W/N

T/S

TL.R 2, 4 covs. 0Rump, back 0 upper back M nape, crown CAll unders CStm. $\frac{1}{1}$ very large green caterpillarsSkl. $\frac{1}{3}$ ossif.

Saturday, 26th March 1938

Weather. Dull, cloudy, complete haze, 100% clouds, light northerly airs.

Bush. Coconuts and 25 ft. forest.

Birds. Saw 1 pair Nymphicus in flight, calling a good deal. Myzomela juv. and females very, very numerous. Other birds usual run.

Sk. 181 Zosterops lat. ♀ $\frac{1}{4}$ - imm.

Feeding on lantana berries amongst small scrub in coconut groves.

Iris hazel Bill light horn, darker tip Legs and feet pale slate (whitish bluish)

Shot 10:45 A.M. Wt. 15.3 grams W. 59 TL. 45

Moult Rump M crown 0 Abr. W/VS

breast, chin 0 T/S

Stm. $\frac{1}{2}$ lantana berries Skl. not ossif. $\frac{1}{10}$ ossif.

Sk. 182 Lichmera ♂ $\frac{3}{4}$ Whit U.T.

Shot 11 A.M. Coastal coconuts

W. 74 TL. 62 Wt. 15.3 grams

Moult Nil Abr. W/T Nil

Stm. $\frac{0}{0}$ nectar Skl. Comp. ossif.

Sk. 183 Myzomela ♀ $\frac{1}{4}$ + juv. plumage

Shot 9:30 A.M. Wt. 7.7 grams W. 54 TL. 38

Moult W.L (x) Abr. W/T N

TL covs. M

Upper back, nape C crown 0

All unders M X chin 0

Stm. $\frac{1}{4}$ insects Skl. $\frac{2}{3}$ ossif.

Sk. 184 Accipiter ♀ $\frac{3}{4}$ O.V.S.E. Diam. oocyte 2 mm.

Soft parts usual. This bird passed over the camp at 4 P.M. and domestic fowls gave the collector the warning, on trying to see where it perched it sneaked away 150 yds. to mission where fowls again gave it away, from here again it fled to a native village and was again betrayed by fowls. After numerous unfruitful stalks by collector it passed into the taru swamps and began feeding or drinking in mud

Sk. 184 Accipiter (Continued)

and was finally stalked while on the ground and shot at 6 P.M. A large earth worm was pulled out of its throat on picking up and carrying a short way.

Shot 6 P.M. Wt. 489 grams W. 275 TL. 22 (1) (+ or -)

Moult W.R. hnb 1, 2, 12, 13, 16, 17) rump, back M

L. " 1, 2, 3F, 12F, 13, 16, 17) nape C crown 0

TL. (x) R 2, 5, L. 2.5 (?) covs A All unders C

Stm. $\frac{1}{1}$ bird crop $\frac{1}{1}$ bird meat

Abr. W/mixed v.f

T/ M aver.

Sunday, 27th March 1938

Weather. Hot and sunny, odd sprinkles rain. Light airs.
Clouds 30-40-60%.

Monday, 28th March 1938

Weather. Hot, close, sunny, light airs. Clouds 40-60%, odd sprinkles rain.

Bush. Low 25 ft. forest, much underbrush, vines, etc.

Birds. Usual run seen

Sk. 185 Zosterops lat. ♂ $\frac{1}{4}$ - (RT white LT black spot in middle)

Iris hazel Bill pale horn, white horn lower M. Legs and feet pale flesh

Low scrub amongst coconuts.

Shot 11:30 A.M. Wt. 14.6 grams W. 61 TL. 48

Moult W.R. 7

Abr. W/N

L 7

T/VS

TL covs. C

Nape, crown 0

Breast, neck, chin 0

Stm. $\frac{1}{1}$ fruit

Skl. $\frac{1}{5}$ ossif.

Tuesday, 29th March 1938

Weather. Clear, sunny, very hot, light N airs, clouds 10, 20, 30%
11 A.M. 30, 40, 70% 3 P.M.

Bush. Forest of tall teak trees 60-80 ft. Dense smaller trees and shrubs, vines, etc. abound. Leaves, fallen twigs, etc. (fairly open very close to ground 1 ft. 6")

Birds. Usual ones seen. 1 pair Nymphicus in flight. 1 blue Demigretta. 1 pair Myagra, this species seems rare of Uvea. A few Gerygone but not very common.

Sk. 186 Myagra ♂ $\frac{1}{2}$ - (LT white RT black or dark blue grey)

In tall forest 8:30 A.M. Very silent for this species.
Iris dark brown, Bill blue horn (light) black edge and tip
Legs, feet and claws black

Shot 8:30 A.M. Wt. 13.8 grams W. 75 TL. 65.5

Moult W.R. 14, 15

L. 14, 15

Abr. W/T N

TL covs. M

Back, nape, crown 0

Flanks 0

Stm. $\frac{1}{1}$ insects, beetles

Skl. comp. ossif.

Sk. 187 Myagra ♀ $\frac{1}{2}$ + O.U.S.E. Badly shot damaged

Female plumage. Bill blue horn (dark) black edge and tip consid. darker than ♂ Sk. 186. Legs and feet dark bluish slate. Lighter than ♂ Sk. 186. Iris dark brown

In tall 60 ft. teak forest much lower trees, scrubs and underbrush. Near Sk. 186 may poss. be mated pair if ♀. Hunts in lower scrubs and trees to 20-25 ft. very occasionally goes higher. Not common on Uvea anyway during this time and is more silent than usual with Myagra, is shy and hard to call to observer. This specimen tail badly damaged and 1 feather re stuck 3 entirely lost.

Shot 8:30 A.M. Wt. 13.2 grams W 70.5 TL. 64

Moult Nil Abr. W/T N Stm. $\frac{3}{4}$ insects, beetles

Skl. Comp. ossif.

Sk. 188 Pachycephala ♂ $\frac{3}{4}$ + white Tests. different shapes

L.T. 0

$\frac{4}{4}$ RT 0

Tall 40-60 ft. teak forest, much lower scrubs, vines, etc. dense brush. Very common, frequents lower forest levels from close to ground up to 20 ft. Calls much. Soft parts usual.

Shot 8 A.M. Wt. 40 grams W. 104 TL. 78

Moult W.R. 15

Abr. W/T N

L. 15

back 0 breast C

Stm. $\frac{3}{4}$ beetles and insects

Skl. comp. ossif.

Sk. 189 Pachy. ♀ $\frac{1}{4}$ + imm.

Shot same time and place as above, possible mated.

♀ plumage. Soft parts usual.

Shot 8 A.M. Wt. 41.3 grams W. 98 Tl 70

Moult W.R. 15 (x) Abr. W/T N

L. 15 (x)

cheeks 0

All unders 0 x neck, chin C

Stm. $\frac{3}{4}$ grubs, molluscs

Sk1 $\frac{1}{3}$ ossif.

Sk. 190 Myzomela ♂ $\frac{1}{2}$ - white

Shot 9:30 A.M. Tall 40'-60' forest area.

W. 61 Tl. 42 Wt. 9.3 grams

Moult W.L. 8 Cvs. 0 Abr. W/T Nil

back 0 upper back M Nape and crown C

belly, breast, neck 0

Stm. $\frac{3}{4}$ insects

Sk1. Comp. ossif.

Sk. 191 Zost. lat. ♂ $\frac{1}{4}$ - imm. (LT black, RT white)

Soft parts usual. Beach scrub. Fluffy abdominal feathers.

Shot 11 A.M. Wt. 15.25 grams W. 63 Tl. 52

Moult nape, crown 0 Abr. W/T N

chin 0

Stm. $\frac{1}{2}$ chili peppers

Sk1. $\frac{1}{10}$ ossif.

Sk. 192 Lichmera ♂ $\frac{3}{4}$ + white

Soft parts usual. Coconut palms.

Shot 11:15 A.M. Wt. 15.7 grams W. 73 Tl. 60

Moult Nil Abr. W/T N

Stm. $\frac{1}{4}$ very small beetles

Sk1. Comp. ossif.

Wednesday, 30th March 1938

Weather. Fine, clear, sunny, very hot and close. Dead calm, no wind, clouds 30-40%.

Birds camped very early and hardly any movement all day till 5:30 P.M.

Thursday, 31st March 1938

Weather. Fine, sunny and cloudy, very close and hot, light NE airs, clouds 10-30-60-80% by 12 A.M. Showers at 1 P.M. clouds 100%.

Type Bush. Original forest of Uvea. Tall 40-60 ft. teak and other trees, much secondary trees up to 30 ft., much lower shrubs and small trees up to 15 ft. lower 4 and 5 ft. shrubs scanty, scanty (small and patches of dense) coral rock birdnest fern over forest floor, interlaced with much vine growth holding up dead limbs, etc. Banyans.

Birds Seen. Usual run of birds, all exceedingly active today and still active at 11:30 A.M. instead of as usual camped by 8 A.M. Birds so active observation was made of bird habits for 5 1/2 hours and following individual notes taken.

Nymphicus 2 were under observation for nearly 1 1/2 hours, then one was shot. 3 others were heard calling and 1 other seen in flight. The pair under observation were probably a mated pair. Were first heard calling at 8:30 A.M. and a careful stalk located them resting about 30 ft. up in a tree almost smothered in vines. They appeared to be playing about in the vines, hopping and making 1 and 2 ft. flights almost as if chasing each other and playing. They were not feeding. They then rested for 10 or 12 minutes and preened themselves occasionally making a low murmuring to each other like low chuckles. A third solitary Nymphicus flew over past the tree and both looked up and made a hoarse cachination call and kept it up for half a minute or so. The other bird did not stop but passed deeper into the forest. The pair settled off the ground and commenced feeding on berries of vines and on the seeds of several trees and shrubs growing at these lower levels, principally the penubre tree berries, a fruit much favored by Macropygia elsewhere. They fed on these for 20 minutes or so only very occasionally making a low murmuring to each other, almost invariably answering the other's call. One then approached the other and made several bows ruffled his or her feathers and called "KO-KOT", several times and was answered by the other which also made several bows. They raise themselves to full height on legs and with neck stretched up suddenly slump down giving the effect of a bow. After several such bows and calls, one, I presume the ♂ approached and murmuring and was answered almost constantly by low murmurs of the other. The ♂ then appeared to mouth the other all the way down its body to its leg and lifted the foot in its beak a short way off the branch when the ♀ let out a hoarse low shriek and appeared to softly peck the ♂ whereupon both went off in cachinnation calls and ended up with "KO KOK repeated rapidly several times in unison

and irregularly commenced chasing each other for 3 or 4 minutes, murmurs and occasional calls being given. What was thought to be a ♂ proved on skinning to be ♀. They then fell to feeding again on vine berries exclusively till an attempt to line them up for shooting resulted in only one being killed. Although another hour was spent trying to get the mate which returned in 10 minutes and called repeatedly the bird was thoroughly alarmed and on the qui vive and too shy to allow a shot, though it would answer mimic calls occasionally, it would not come near.

Myagra On Uvea this species inhabits the tall forest more than the low scrubs which it favours on other islands 4 ♂ ad. and 3 ♀ plumage were seen. In the forest they appear to hunt in the middle and lower layers principally about 12-25 ft. off the ground. They occasionally go higher or lower but are generally from 12 to 20 ft. Are shy and will not be decoyed by usual calls but will generally answer a mimic of their own, "ZIZ ZIZ" (grinding) call.

A small rail was seen but unidentified in the forest. It may have been and probably was a ♀ or imm. Hypotaenidia or Porzana unerea but I doubt it was the latter. Where seen it was about 800 yds. from the nearest swamp though only about 600 ft. from open water pond, though in real true forest.

Ptilinopus greyi This bird is generally on the edge of garden clearing, a few camp in the real forest but they are not as common there as about clearings.

Columba One was seen on the edge of a clearing.

Cacomantis Number heard calling, about 1 dozen altogether. A silent one low in forest which came to calls to attract Pachy. may have been a ♀ but a shot failed to kill it.

Chalcities One was heard calling in deep forest while Nymphicus were under observation. This bird appears rare on Uvea.

Halcyon None were seen or heard in the true forest.

Lalage Fairly numerous in the real forest where it inhabits the upper canopy of leaves almost exclusively.

Gerygone Spaced regularly throughout the forest but not very common, appears to be a bird of territory, a pair being about every 50 yds. or less. Is shy generally speaking but occasionally comes very close. Feeds mostly about 20 ft. up, but often comes lower or goes higher. Feeds at all levels but more at 10-25 ft. levels. Is a busy little feeder, has a pretty little warble, fairly strong and a low "CHIP CHIP" call.

Pachycephala Very common throughout all the real forest. Makes the place ring with its calls at times. Is bold and easily called and will come and ♀ will perch within hand reach. Has to be scared away for shooting. ♂ are more shy but will approach and peer at one around a limb or leaf. Occasionally gathers in great number while one gives a low shrill rudy pipe and males simply make the forest crack with their whip like call. 20 or 30 of both sexes will gather at such times and appear very excited often attacking and chasing each other. Only ♀ plumage has been observed giving this call, almost as if it was in a trance or under some peculiar influence. It certainly affects all birds in the vicinity and even Cacomantis appears to be attracted by this call. This species has a harsh alarm call which scatters them very rapidly and effectively silences all calls in the vicinity and even all species. It is very, very common in the real forest as common as any species and possibly the commonest. Feeds from ground up to 15 and 20 ft. mostly but does go higher. Generally speaking it inhabits lower levels and scrubs of forest and seems to favour 6 to 15 ft. levels.

Aplonis Common in forest, feeds in upper levels or right on the ground where it picks up fallen fruit and berries and feeds on snails. 3 were actually seen tapping snails this day. Does not seem to stay in middle levels at all, is found either on the upper leaf canopy or on the ground. Will answer calls and is easily lured but is inclined to be shy and wide awake and suspicious.

Lichmera Almost absent in real forest but a few occasionally appear where they exclusively inhabit the upper leaf canopy but are easily called to lower levels.

Myzomela Very common mostly at higher levels but are easily called lower. ♀ feed at lower levels more often. Shares with Pachy. being the most common bird in this type of area. Does not appear such a definite bird of territory as elsewhere but signs of such are present and its great numbers may be responsible for it not appearing so.

Zosterops lat. Fairly common in forest. Feeds at all levels
Unlike others of this species it apparently is quite at
home in real forest. Is inclined to be shy and suspicious
but can sometimes be lured closer. Feeds much about 10-
15 ft.

No Rhipidura seen on Uvea to date.

Sk. 193 Aplonis ♀ $\frac{3}{4}$ -

Tall forest original type forest of island. Soft parts
usual.

Shot 7:30 A.M. Wt. 66.4 grams W. 112 Tl. 60

Moult Lower back, nape 0 Abr. W/T N.

Breast, neck 0

Stm. $\frac{3}{4}$ seeds, berries

Skl. Comp. ossif.

4

Sk. 194 Nymphicus ♀ $\frac{1}{2}$ +

Tall forest feeding on vine ropes within 10 feet of ground.
See log notes.

Iris reddish orange Bill black, blue horn base

Legs, feet and claws black

Shot 10 A.M. Wt. 105 grams W. 160 Tl. 155

Moult W. und. covs. M Abr. W/T N.

All uppers 0 x nape, crown, cheek M

All unders C

Stm. crop $\frac{3}{4}$ seeds and berries

Skl. Comp. ossif.

4

$\frac{1}{2}$ chewed seeds

2

Sk. 195 Pachycapela ♂ $\frac{3}{4}$ + white Test. 9.5 x 6.5 mm

Tall forest. Very common. Soft parts usual.

W. 100 Tl. 76 Shot 6 A.M.-8 A.M. Wt. 41.7 grams

Moult W.R. 13, 14)

L. 14, 15, 16) Covs. 0 Abr. W/T Nil

Back, nape 0

Belly M breast C neck C

Stm. $\frac{3}{4}$ insects

Skl. Comp. ossif.

4

Sk. 196 Gerygone ♂ $\frac{1}{2}$ - white

Tall forest about 20 ft. from ground feeding in top of
secondary tree. White brow and unders.

Iris red brown Bill black, horn white base, lower M

Sk. 196 Gerygone (Continued)Legs and feet dark nigger brown, almost blackShot 8 A.M. Wt. 7.3 grams W. 56 TL. 45Moult W. covs. 0 Abr. W/T N.TL covs. 0Back, nape, crown 0All unders 0Stm. 3 minute insects and insect eggs Skl. Comp. ossif.4Pachycaphela ♂ 3 white4

Tall forest. Very common from ground up to 20'. Soft parts usual.

W. 100 TL. 75 Shot 6 A.M.-8 A.M. Wt. 39.3 gramsMoult W.R. 15 Abr. W/T Nil

L. 15

Back 0 Breast 0

(4.C tail feathers shot away)

Stm. 3 insectsSkl. Comp. ossif.4Sk. 197 Pachycaphela ♂ 1 + white2

Tall forest area. Soft parts usual.

W. 100 TL. 73 Shot 6 - 8 A.M. Wt. 39.7 gramsMoult W.R. 14, 15 Abr. W. Nil

L. 14, 15

T. slight

All uppers covs.All unders MStm. 3 insectsSkl. Comp. ossif.4Sk. 198 Gerygone ♀ 1 imm.4

Tall forest much underbrush, vines and secondary growth. Yellow eyebrow and unders.

Iris yellow or golden Bill black Legs and feet blackShot 8 A.M. Wt. 6.7 grams W. 52.5 TL. 39Moult Upper back, crown 0 Abr. W/N

Vent belly, breast and T/S

flanks 0 chin MStm. 1 small insects, insect eggs2

Sk. 199 Myagra ♂ $\frac{1}{4}$ - white (? exceptionally male)

Shot in tall forest, inhabits middle layers. Male adult plumage. A ♀ Myiagra shot at same time was in very, very heavy moult.

Shot 11:30 A.M. Wt. 14.5 grams W. 75 TL. 68

Moult W.R. 1,2,11) covs M Abr. W/T N.
L. 1,2,11)

TL. L, 2f, 5f, 6f

All uppers 0

All unders C X neck, chin 0

Stm. $\frac{1}{1}$ 1 large cicada or beetle Skl. Comp. ossif.

1

Zosterops lat. ♀ $\frac{1}{4}$ + O.V.S.E. Imm.

Tall forest. Soft parts usual, bill slightly paler. Too far gone for skin.

Shot 7 A.M. Wt. 18 grams W. 62 TL. 44

Moult W.L. 9 covs 0 Abr. W/N

T/S

Stm. $\frac{1}{4}$ chilis Skl. $\frac{1}{10}$ ossif.

4

10

Sk. 200 Pachycephala ♂ $\frac{0}{0}$ + white imm.

Tall forest. Female plumage. Soft parts usual.

Shot 6 - 8 A.M. Wt. 38.9 W. 95 TL. 69

Moult Back, crown 0 nape M Abr. W/T N.

All unders 0 X neck, chin C

Stm. $\frac{3}{4}$ bright coloured beetles Skl. $\frac{1}{8}$ ossif.

4

8

Sk. 201 Lichmera ♂ $\frac{3}{4}$ U.T. (RT $\frac{3}{4}$ LT $\frac{3}{4}$ -) white

Margin forest and coconuts

Shot 6 A.M. Wt. 15 grams W. 73 TL. 62

Moult Belly 0 Abr. W/T N.

Stm. $\frac{1}{2}$ minute insects Skl. Comp. ossif.

2

Sk. 202 Myzomela ♂ $\frac{1}{2}$ - white

Tall forest, frequents upper leaf canopy mostly. Very common.

Shot 6 - 8 A.M. Wt. 10.9 grams W. 62 TL. 44

Moult back, nape, crown 0 Abr. W/T N.

all unders 0

Stm. $\frac{1}{4}$ minute insects, nectar Skl. Comp. ossif. (x)

4

Sk. 203 Myzomela ♂ $\frac{3}{4}$ White

As above.

W. 60 TL. 45 Shot 6 - 8 A.M. Wt. 9.1 grams

Moult TL covs 0

All uppers C crown 0

Abr. W/T Nil

All unders C

Stm. $\frac{3}{4}$ minute insects

Skl. Comp. ossif.

4

Friday, 1st April 1938

Weather. Fine, sunny, light NW breeze freshening. Clouds 30-40%.

Bush. Tall original forest.

Birds. Saw 1 ♂ Accipiter (ad.) in coastal coconut groves. Heard 3 Nymphicus. Usual run of birds seen. Native brought in 3 Nymphicus which had been in captivity a week. Caught by twine snares over paw paws with holes in them. From St. Joseph area, north of island. Taken by rader.

Sk. 204 Pachycephala ♀ $\frac{1}{4}$ + imm.

Soft parts usual.

Shot 5:30 P.M. Wt. 38.4 grams W. 96 TL. 73

Moult nape, crown 0

Abr. W/T N.

belly 0 neck, chin C

Stm. $\frac{1}{1}$ insects, beetles, mossuscs

Skl. $\frac{1}{8}$ ossif.

1

8

Lichmera It is worthy of note that although Lichmera lives most of its time in and about tops of coconuts during the day, it does not roost there for the night but returns to the scrub or forest margins to sleep. Possibly it would be more open to attack by owls if roosted in palm tops or it may be that rats would attack it there as they frequent palm tops a great deal.

Saturday, 2nd April 1938

Weather. Fine, clear, sunny, moderate W and SW wind, clouds 10-30-60%.

Birds. In coconut groves and low scrub. Usual run of birds mostly Lichmera, one Myagra shot and other heard but close to patch scrub, 1 Myzomela seen, 1 Aplonis but near scrub. A few Zosterops seen in low scrub but very shy. Several Halcyon seen.

Sk. 205 Myagra ♂ $\frac{1}{4}$ - imm. (LT grey RT white)

♀ plumage. In coconuts but near scrub. Soft parts
Iris dark brown Bill upper M dark blue, horn lighter
 base, black edge tip and central ridge. Under M
 pale white horn base $\frac{2}{3}$ tip, $\frac{1}{3}$ blue horn extreme
 tip black horn and a little distance down central ridge.
Legs and feet blue black.

Shot 10 A.M. Wt. 13.05 grams W. 70.5 TL. 64

Moult Nil Abr. W/T V.S. Some body abrasion especially
 on back.

Stm. $\frac{1}{1}$ beetles

Skl. $\frac{1}{3}$ ossif.

Sk. 206 Aplonis ♀ $\frac{1}{2}$ - imm.

Duller than previous Uvea specimen. Soft parts usual.

Shot 10 A.M. Wt. 65.5 grams W. 105 TL. 57

Moult W.R. 1

Abr. W/N

L. 1

T/VS

Back 0

Stm. $\frac{1}{4}$ seeds and fruit

Skl. $\frac{1}{3}$ ossif.

Sk. 207 Lichmera ♂ $\frac{3}{4}$ white

Shot coconuts - extensive coastal growth. Very common in
 area.

W. 75 TL. 63

Shot 6 - 8 A.M. Wt. 18.7 grams

Moult W covs 0

Abr. W/T Nil

TL. covs 0

Lower back 0 Nape C Crown 0

Belly 0 Neck C

Stm. $\frac{1}{2}$ minute insects

Skl. Comp. ossif.

Sk. 208 Lichmera ♂ $\frac{1}{2}$ + white

Shot coastal coconut area. 6 - 8 A.M.

W. 77 TL. 64

Wt. 15 grams

Moult TL R. 1f

Abr. W/T Nil

L. 1f, 2f

Stm. $\frac{1}{4}$ minute insects

Skl. Comp. ossif.

Sk. 209 Lichmera ♀ $\frac{1}{1}$ ++ O.F.E. Breeding patch. 1 full size
 egg in oviduct. $1 \frac{1}{4}$ size egg in oviduct. Gape soft
 yellowish.
Shot 8 - 10 A.M. Wt. 16.8 grams W. 68 Tl. 57.5
Moult W. R, 12, 14, 16) covs. 0 Abr. W/T N.
 L. 14, 16)
 back, crown 0 Skl. Comp. ossif.
 all unders 0
Stm. $\frac{1}{1}$ insects, pieces of lime and skull grit.

Sk. 210 Lichmera ♂ $\frac{3}{4}$ - white
Shot 6 - 8 A.M. W. 74 Tl. 61 Wt. 16.65 grams
Moult W. covs 0
 TL. R. 1f Abr. W/T Nil
 L. 1f
 All uppers C
 All unders C
Stm. $\frac{1}{4}$ minute insects Skl. Comp. ossif.

Sk. 211 Lichmera ♂ $\frac{1}{2}$ - imm. white
Shot 8 - 10 A.M. Wt. 17.9 grams W. 72 Tl. 60
Moult W.R. 13) covs 0 Abr. W/T N.
 L. 13)
 TL. R 5, 6 covs 0
 All uppers 0
 All unders C X neck, chin 0
Stm. $\frac{1}{4}$ insects Skl. $\frac{1}{8}$ ossif.

Sunday, 3rd April 1938

Weather. Fine, clear, sunny, light SW wind till noon then dead
 calm. Clouds 0-5%.

Monday, 4th April 1938

Weather. Fine, clear, sunny, very hot, calm, light N airs,
 clouds 0- 10%.

Bush. Original forest.

Birds. 1 Chalcities heard calling, Cacomantis calling much, 3
Nymphicus seen and heard. 1 Rhipidura seen, the first
 seen on Uvea, apparently the same as Mare Is. Zosterops
 is very early feeder and goes across clearing very early.
 Usual run of birds seen. 1 ♂ ad. Myagra.

Sk. 212 Zosterops ♂ $\frac{1}{4}$ - (LT black RT white)

Shot 7 A.M. Wt. 15.2 grams W. (left) 64 TL. 45

Badly shot damaged.

Moult W.R. (x) TL (x)

Abr. W/N

Back, nape 0 crown M

T/S

All unders C

Stm. $\frac{3}{4}$ fruit

Skl. $\frac{1}{4}$ ossif.

4

4

Sk. 213 Gerygone ♀ $\frac{0}{0}$ + Juv.

Lemon unders and brow. Soft parts usual X Iris light brown.

Shot 7 A.M. Wt. 6.1 grams W. 49 TL. 37

Moult W.L 13, 15

Abr. W/T N.

Back M nape, crown 0

All unders M

Stm. $\frac{1}{1}$ insects, ants

Skl. $\frac{1}{5}$ ossif.

1

5

Sk. 214 Ptilinopus greyi ♂ $\frac{1}{2}$ - white (repose)

Very common about clearings.

Iris reddish orange Bill dull green Legs and feet dull red.

Shot 7 A.M. Wt. 114.2 grams W. 131 TL. 85

Moult Rump M back, nape, crown 0

Abr. W/T S.

All unders 0 X beest M neck C

Stm. $\frac{1}{1}$ cedar berries

Skl. $\frac{9}{10}$ ossif.

1

10

Sk. 215 Aplonis ♂ $\frac{0}{0}$ + Black

Shot 7 A.M. Soft parts usual.

W. 111 TL. 60 Wt. 56.8 grams

Moult W.R. 1)

L. 1) Cows 0

Abr. W/T Nil

TL.R. 1f, 2f, 4f, 6f)

L. 1, 3, 6f) Cows 0

Lower back 0 upper back C

Nape, crown 0 All unders 0

Stm. $\frac{1}{1}$ fruit and seeds

Skl.

1

Tuesday, 5th April 1938

Weather. Dull, cloudy, showery, light N and NW wind. Clouds 100-80-100%.

Bush. Taru swamps.

Birds. Saw 5 Hypotaenidia, 1 shot and lost. 1 Porzana tabnensis (?) 1 Accipiter ♂, about 15 Anas. Anas fly up from mangrove swamps in south at sundown to taru cultivations behind Fayuiwa village. Many Halcyon in swamps, also Collocalia hawk much there. Lichmera feed much in low scrubs of swamp. Saw 2 Porphyrio, 1 shot and lost. One Anas with young about 1 week old.

Wednesday, 6th April 1938

Weather. Rain off and on all day, light northerly and NW airs. Clouds about 100%.

Thursday, 7th April 1938

Weather. Dull, showery, moderate NW wind, clouds 100%. Strong wind during night after torrential rains, wind force 6 from WNW, possibly from close passing to south of water spout or small narrow track cyclone.

Birds. Between 3 and 4 hundred Fregata passed from south towards north sidling on WNW wind (2 species easily distinguished, (minor and ariel) between 6 A.M. and 12 A.M. Scattered ones later. 1 of each species shot. Many Sterna bergii feeding in rough sea of lagoon. A flight of dark birds possibly petrels (P. pacificus) 20 odd, passed well out to sea going north.

Sk. 216 Fregata (ariel) ♂ $\frac{1}{1}$ ++ white (greyish white)

Iris dark brown? Bill black Pouch bright red
Legs and feet black with deep reddish tinge
Shot 10 A.M. Wt. 760 grams Span. 1790 W. 540
TLC 155 TLO 340
Moult Nil Abr. W/T N.
Stm. $\frac{1}{2}$ cuttlefish Sk1. $\frac{4}{4}$ ossif.

Sk. 217 Fregata (ariel) ♀ $\frac{1}{1}$ + Breeding patch O.C.E. diam. 2

largest. Ovcytis 8 mm. 3rd 5 mm. Pouch reedish dirty flesh. 4th 4 mm. 5 and 3 mm. many smaller

Native name all Fregata ATAU. Does not breed on Uvea or small islands of that atoll chain.

Iris dark brown Bill light grey horn(liney) Legs and feet pale pink Claws light grey, dark streaks

Shot 10 A.M. Wt. 955 grams Span 1802 W. 535 TLC 201

TLO 289 Moult TL, R6, L6 Abr. W/T N.

Stm. 0 empty residue Sk1. $\frac{1}{2}$ ossif.

Specimen very fat.

Friday, 8th April 1938

Weather. Fine, clear, sunny to 9 A.M., then showers and wind freshening to strong NW. Clouds 10-20%. 10 A.M. 100%. 12 A.M. 80%.

Bush. Taru swamps and coconut grove margins.

Birds. Noted Frigata making way to southward again but high up. Noted Lelage also common in small scrubs of swamps. Saw 2 Accipiter in coconut groves of margins of swamps, very shy. Saw only Hypotaenidia in swamps, 1 other small rail possibly P. labuensis.

Sk. 218 Hypotaenidia phill. swind. ♂ $\frac{3}{4}$ white

Iris crimson Bill dark horn (greyish) crimson base.

Legs and feet pale stone. In swamps.

Shot 8:30 A.M. Wt. 211 grams W. 130+ TL. 45+

Moult Nape C

Abr. W/T V.M.

Breast, neck C

Stm. $\frac{1}{2}$ seeds, molluscs, grubs, insects Skl. $\frac{1}{3}$ ossif.

Sk. 219 Halcyon ♂ $\frac{1}{4}$ - L.T. black R.T. white

Shot 9 A.M. Taru swamps.

W. 90 TL. 56 Wt. 39.8 grams

Moult TL R 1)

L 1) covs 0

Abr. W/T Nil

All uppers M

All unders M

Stm. $\frac{1}{1}$ insects

Skl.

Sk. 220 Fregata ariel ♂ $\frac{1}{2}$ - yellowish white

Iris dark brown Bill pale limey violet Legs and feet blackish Pouch pale salmon. Both wings broken. Span may be slightly minus.

Shot 3 P.M. Wt. 690 grams Span 1750 W. 523

TLC. 281 TL0 346

Moult TL. R. 4 covs 0

Abr. W/mixed average S.

All uppers 0 few

T/L consid.

Stm. $\frac{0}{0}$ empty residue

Skl. $\frac{4}{5}$ ossif.

Sk. 221 Fregata ariel ? ♀ 1 -

2

Iris brown Bill pale pink horn Legs and feet pale pink

Claws dark grey Pouch pink

W 550 TL In. 285 out. 351 Span 1840 mm.

Shot 3-30 P.M. Wt. 840 grams

Moult TL R.I.

Abr. W/T M

Stm. 3 fish residue

Skl.

4

Sk. 222 Fregata(ariel) ♀ 1 O.C.E. breeding patch. diam. largest

1

oocyte 5 mm, many slightly smaller.

Iris brown - bare skin of eye red Bill very pale limey

violet Legs and feet pale pink flesh Pouch dull reddish flesh.

Shot 4 P.M. Wt. 1055 grams Span 1900 W. 560

TLC 160 TLO 330

Moult Not examined Abr. W/T N.

Stm. 1 3 small squid (cuttlefish) Skl. damaged

1

? not ossif.

1 ossif.

4

Sk. 223 Fregata ariel ♂ 1 ++ white 33 x 15 mm. RT slightly

1

smaller. LT 4.9 grams RT 4.1 grams

Iris brown Bill black Pouch bright deep red

Legs and feet black

Shot 4 P.M. Wt. 750 grams Span 1780 W. 535

TLC 152 TLO 333

Moult Nil

Abr. W/T Nil

Skl. 7 ossif.

Stm. 0 empty, has large parasitic stomach worms.

0

8

2 others, both F. ariel. Measurements as follows.

♂ wt. 717 grams

♀ Wt. 1010 grams

Span 1900

Span 1830

W. 525

W. 550

TLC 153

TLC 150

TLO 330

TLO 282

Saturday, 9th April 1938

Weather. Fine, clear, sunny, light SW airs. Clouds 10-15%.

Bush. Taru swamps under cultivation.

Birds. Saw 1 Anas adult and caught 4, 3/4 grown Anas with dogs. Caught 1 very young Porzana tabuensis badly dog damaged. 1 half grown still semi downy Hypotaenidia and saw 5 adult Hypotaenidia but too close to dogs and native beaters for shooting safely.

Sunday, 10th April 1938

Weather. Fine, clear, sunny till 2 P.M., light rains, cloud 20%. Clouding over 100% by 4 P.M. then steady rain with NW breeze.

Monday, 11th April 1938

Weather. Cloudy and overcast, showers and heavy thunder and rain from W and SW at 9 A.M. till 11 A.M. Then fine with light northerly airs and clouds 40-60%.

Sk. 224 Trichoglossus ornatus massena ♀ $\frac{3}{4}$ O.S.E.

Shot in coconuts at Iahonimaha, Central Island. Rare on Uvea, possibly visitor from Lifu.

Iris dark greyish, inner circle pale, crimson outer

Bill corn red and yellow Legs and feet dull grey

Claws dark horn. Specimen excessively fat.

Shot 10 A.M. Wt. 105 grams W. 135 Tl. 101

Moult W.R. 10, 13, 14) covs M sec. 0 Abr. W/T N
L. 10, 12)

TL. R 1, L2, covs M

Rump, back 0 nape, crown M Skl. Comp. ossif.

All unders M

Stm. $\frac{1}{1}$ chewed seeds, nectar, chewed flowers ?

Sk. 225 Anas ♀ $\frac{1}{2}$ - repose O.V.S.E.

Shot in taru swamps. Has great number of lice.

Iris brown Bill greenish blue grey, tip black

Legs and feet light tan, darker streaks, webs dark greyish green Claws black

Shot 5 P.M. Wt. 751 grams W. 243 Tl. 75

Moult W. all F eclipse moult Abr. W/T N

Rump 0 few scattered all over body T/F

Stm. $\frac{1}{4}$ vegetable matter Skl. thick, opaque

Tuesday, 12th April 1938

Weather. Thin and cloud, very hot till 10 A.M., then heavy rain thunderstorm, rain off and on all day. Wind light NW and W. Clouds 20-80% to 100%-80%.

Sorting and packing skin.

Wednesday, 13th April 1938

Weather. Sunny, very hot, light N airs, clouds 10-20%. Rain at night.

Packing and mail.

Thursday, 14th April 1938

Weather. Sun and cloud, light N airs, clouds 60-80%.

Packing, marking and mail.

Friday, 15th April 1938

Weather. Dull, cloudy, showers and heavy rain off and of. Wind NE, moderate and gusty, variable, clouds 80-100%. Thunder and lightening about.

Saturday, 16th April 1938

Weather. Dull, cloudy, overcast, gusty NE wind, showers off and on. Clouds 100%.

Sk. 226 Hypotaenidia ♀ $\frac{1}{4}$ +

Captured taro swamp 2:30 P.M.

W. 135 TL. 56 Wt. 124.5 grams

Moult W. au F. covs & sec. C Abr. W/T Nil

TL.R. 1, 2)

L. 1, 2) covs M

All body M

Stm. $\frac{3}{4}$ seeds and insects

Skl.

Sunday, 17th April 1938

Weather. Sun and showers, light variable airs NE to NW. Clouds 60-80%. Thunder and lightening.

Monday, 18th April 1938

Weather. Same as previous day.

Tuesday, 19th April 1938

Weather. Sun and showers, fresh NW breeze, clouds 60-80%, thunder, rain at night.

Wednesday, 20th April 1938

Weather. As previous day and weather the same down to

Sunday, 24th April 1938

Weather. Fine and very hot, clouds 30-70%. Heavy rain all night.

H. Labor left.

Monday, 25th April 1938

Weather. Sun and cloud and showery, hot and close, wind light E and NE airs. Clouds 80%.

Type Bush. Coconut groves, open village grasslands.

Birds. Noted Collocalia all flying high but C. spodypia higher than Cisnibuta.

Sk. 227 Collocalia leucopygia spodygia ♀ $\frac{3}{4}$ - O.C.E.

Shot 10 A.M. hawking above coconuts in native village.
Very fat.

Shot 10 A.M. Wt. 9.4 grams W. 114 TL. 48

Moult W.R. 1, covs 0 Abr. W/N
L. 1. covs 0 T/S

TL R 3, 4) covs. M
L 3, 4)

All uppers C

All unders C

Stm. $\frac{1}{2}$ insects, beetles, large Skl. $\frac{1}{2}$ ossif.
1 green blowfly 2

Sk. 228 Collocalia esculenta uropygialis ♂ $\frac{1}{2}$ - black
2

Hawks generally below tree tops.

Sk. 230 Zosterops ♂ $\frac{1}{4}$ - black

Soft parts usual. Feeding on lantana.

Shot 3 P.M. Wt. 15.7 grams W. 61 Tl. 47

Moult Crown 0 Abr. W/T N.

Stm. $\frac{1}{1}$ banyan seeds, lantana berries Skl. $\frac{1}{3}$ ossif.

Sk. 230A Zosterops ♂ $\frac{1}{4}$ white

Shot 4 P.M. Wt. 14.45 grams W. 60.5 Tl. 47

Moult Neck 0 Abr. W/VS

T/S

Stm. $\frac{1}{1}$ lantana berries Skl. $\frac{1}{4}$ ossif.

Sk. 231 Aplonis ♂ $\frac{1}{4}$ + (LT $\frac{1}{3}$ white RT $\frac{1}{4}$ black)

Soft parts usual. Feeding on small red and yellow banyan figs.

Shot 5 P.M. Wt. 67.35 grams W. 110 Tl. 61

Moult Nil Abr. W/T VS

Stm. $\frac{1}{1}$ banyan figs Skl. $\frac{3}{4}$ ossif.

Sk. 232 Aplonis ♀ $\frac{3}{4}$ + 0.S.E. diam. largest oocyte 2.8 mm.

As above.

Shot 5 P.M. Wt. 66.2 grams W. 106 Tl. 56

Moult W.R 15, L. 15 Abr. W/T S

All uppers and unders 0

Stm. $\frac{1}{2}$ banyan figs Skl. Comp. ossif.

Sk. 233 Lichmera ♂ $\frac{3}{4}$ + white

Shot 3 P.M. Wt. 15.7 grams W. 72 Tl. 60

Moult TL. R 4 covs 0 Abr. W/T N.

Stm. $\frac{1}{4}$ insects Skl. $\frac{4}{5}$ ossif.

Sk. 234 Ptilinopus greyi ♀ $\frac{1}{2}$ -

Native name BING. Feeding on banyan figs.

Shot 5:30 P.M. Wt. 101 grams W. 116 Tl. 79

Moult Nil Abr. W/T N.

Stm. $\frac{1}{1}$ banyan figs Skl. $\frac{4}{5}$ ossif.

crop $\frac{1}{1}$ figs

Wednesday, 27th April 1938

Weather. Dull, cloudy and showery, moderate N Wind, heavy rain late in day. Clouds 80-100%.

Bush. Tall forest, teak and other trees up to 60 ft. and more.

Birds. Usual run of birds seen. 2 Nymphicus, 1 shot. All day search for Zosterops inornata and none found or seen or heard.

Sk. 235 Nymphicus ♂ $\frac{1}{2}$ repose (RT $\frac{1}{2}$ - black LT $\frac{1}{2}$ + white

Iris bright reddish orange Bill blue horn, black rest.
Legs, feet and claws black

Shot resting very high in 60 ft. teak tree at midday.

Shot 12 A.M. Wt. 127.2 grams W. 168 Tl. 167

Moult W. Rl. numbers F. prim 2, 3 & 8

Ll ditto above Abr. W/S

cheeks, crown C T/N

All uppers 0 few nattered

All unders C

Note: There is an appearance on wing prim. of feathers being eaten. This bird has many lice and this may cause it to eat or bite at plumes.

Stm. $\frac{1}{2}$ chewed seeds

Sk1. $\frac{4}{5}$ ossif.

Crop $\frac{1}{4}$ seeds

Sk. 235A Chalcophaps ♀ $\frac{1}{1}$ ++ (2 very large eggs) in oviduct

Full breeding O.F.E.

Fairly numerous in certain areas but not common as in New Hebrides. No taxiderm value. Badly damaged, only collected for record.

Iris ? Bill deep red base, tip corn yellow

Legs and feet dull red

Shot 2 P.M. Wt. 111.7 grams W. 141 Tl. 97

Moult Not examined

Abr. W/T N

Stm. $\frac{1}{2}$ seed berries

Sk1. $\frac{4}{5}$ ossif.

Sk. 236 Aplonis ♀ $\frac{1}{2}$ +

Shot 3 P.M. Wt. 67.4 grams

W 107 Tl. 58

Moult TL. Rl covs 0
neck, chin 0

Abr. W/T S

Stm. $\frac{1}{4}$ chili peppers

Sk1. Comp. ossif.

Thursday, 28th April 1938

Weather. Fine, clear, sunny, light N airs, clouds 40-60%.

Bush. Tall original forest, much underbrush.

Birds. Usual birds seen. 1 Accipiter, 3 Nymphicus. All day search for Zosterops inornata, none seen.

Sk. 237 Aplonis ♀ 1 - (repose)

2

Shot 6 P.M. Wt. 63.2 grams W. 110 TL. 61.5

Moult Abr. W/T N.

Stm 0 empty Skl. Comp. ossif.

0

Friday, 29th April 1938

Weather. Dull, cloudy, raining off and on all day. Clouds 100%, wind fresh southerly to SE.

Bush. Low 30 ft. forest.

Birds. Usual common species only seen, searching for large Zosterops, not any seen.

Sk. 238 Zosterops lat. ♀ 1 +

2

Soft parts usual. Feeding in upper leaf canopy, 30 ft. forest.

Shot 9 A.M. Wt. 16.1 grams W. 63 TL. 47

Moult Upper back M nape 0 Abr. W/T N.

Crown M cheeks C

All unders M

Stm. 1 large berry, insects Skl. 1 ossif.

2

3

Sk. 239 Zosterops lat. ♂ 1 + tests. black

4

Shot 9:30 A.M. Wt. 17 grams W. 65 TL. 50

Moult W.R. 1f, 6f, 14 covs. M Abr. W/T N.

L. 1f, 5, 14, 15 sec. 0

TL. L 1 covs. M

All uppers M

All unders M

Stm. 3 small seeds and insects Skl. Comp. ossif.

4

Sk. 240 Pachycephala ♂ $\frac{3}{4}$ + white (soft flacid)

Male adult.

Shot 9:30 A.M. Wt. 43.5 grams W. 102 TL. 75

Moult W.R. (x) Abr. W/T N.

L. 15 chin C

Stm. $\frac{1}{1}$ caterpillars Skl. Comp. ossif.

Sk. 241 Collocalia esc. urogp. ♂ $\frac{1}{4}$ - LT black RT white

Shot 10 A.M. Wt. 5.8 grams W. 102 TL. 43

Moult W.R. 1 Abr. W/T N.

L. 1

TL. R, 1 LI covs. M

All uppers 0) few

All unders 0)

Stm. $\frac{1}{1}$ insects Skl. $\frac{1}{5}$ ossif.

Sk. 242 Myzomela ♂ $\frac{0}{0}$ + white imm.

♂ sub. ad.

Shot 7 A.M. Wt. 9 grams W. 60 TL. 40

Moult WR 1-3, 11 (X) sec. 0 Abr. W/T N.
1-3, 12, 15) covs. C

TL. all F inner outward sequence

All uppers M

All unders C

Stm. $\frac{1}{4}$ ants, nectar Skl. Not ossif.

Saturday, 30th April 1938

Weather. Dull, overcast, cloudy, gusty SE and E wind.
Clouds 100%.

Bush. Original forest.

Birds. Usual run of birds seen. Unusual number of Myagra seen, 3 ♂ and one ♀. 1 Nymphicus seen on wing. 1 Accipiter on wing.

Previous night was rough and gusty and noted that except after first half hour of dawn, chorus birds were extraordinarily inactive and quiet. It was a cold night and as I noted by 9 A.M. bird were more active, it may have been they suffered from cold.

Collocalia All this week I have noticed Collocalia leucopygia spodygia has been getting scarcer and scarcer. Do they migrate or become nomadic or semi migratory? Previously on Uvea one saw hundreds of C. spod. in a morning and they outnumbered C. esculenta by 10 to 1 and more. All this week they have been decreasing till this morning I saw no more than half a dozen of them, tho' I saw at least 100 C. esculenta which appeared in their usual numbers. It is worth noting how inna. of of this species C. spod. outnumber adults tho' the opposite should be the case as they only lay 1 egg. It appears that either C. spod. takes a long time, 2 years for the skull to ossify or adults depart for other feeding grounds on completion of rearing the young. Possibly imm. remain the first year but depart with the adults the 2nd year.

Over taru swamp which literally swarmed with C. spod. I did not see a single specimen this morning, tho' I saw half a dozen there yesterday and more the previous day.

I have noted the decrease of numbers since last week and have waited till now to record it in case it was only temporary and have kept a count of numbers since last Monday, the 25th. These are as follows.

Monday something over 100 seen

Tuesday between 50 and 60

Wednesday 18 only

Thursday 14 only

Friday 8 or 10 only

Saturday 5 or 6 only

Will take further note of them and enter it in the log from time to time. It may be worth noting that during the past fortnight the mosquito plague which made life almost unbearable has passed almost away. Mosquitoes are now scarce comparatively speaking. Collocalia feed on these as I have found them in their beaks when shot.

Sk. 243 Gerygone ♂ 1 - white
2

Original forest. White unders.

Iris red brown, almost crimson Bill black Legs and feet brownish black

Shot 7 A.M. Wt. 6.95 grams W. 54 TL. 42

Moult TL L4 Abr. W/T N.

Stm. 3 insects, grub, ant Sk1. Comp. ossif.

Sk. 244 Gerygone ♂ 1 - white
2

Soft parts as above.

Shot 6:30 A.M. Wt. 7.2 grams W. 55 TL. 40

Moult back C Abr. W/N T/S

All unders C

Stm. 1 minute scale and insects Skl. Comp. ossif.
2

Sunday, 1st May 1938

Weather. Fine, clear, sunny and hot, light E breeze, clouds
20-40%.

Monday, 2nd May 1938

Weather. Fine, sun and cloud (completely overcast 10-12 A.M.)
Light E breeze. Clouds 20-40-100-60%

Bush. Original forest in S of island.

Birds. Usual ones seen. Noted Collocalia spod. between 50 and 60
and these mostly near suitable breeding places, i.e. cliffs
in south of island.

Sk. 245 Hypotaenidia ♀ 1 +
2

Shot 11 A.M. Wt. 175.5 grams. In taru swamp with 2 others.

Moult Back, nape M Abr. W/T N.

All unders 0

All body consid. moult

Stm. 3 molluscs, larva of dragon fly,
4 seeds, vegetable matter

Skl. 1 ossif. but thickish, just commencing ossif.
10

Sk. 246 Collocalia spod. leuc. ♀ 1 -
2

Hawking over open grassland swamp.

Shot 10 A.M. Wt. 8.95 grams W. 110 TL. 47

Moult W.R 1. 15,16) sec. covs 0 Abr. W/T N.
L 1, 15,16)

TL R 1-3f L.1 covs. M

All uppers and unders 0 to C

Stm. 1 insects, principally beetles Skl. 1 ossif.
2

Sk. 247 Pachycephala ♀ $\frac{1}{2} + 0.V.S.E.$

Female plumage.

Shot 8 A.M. Wt. 42.6 grams W. 98 TL. 73

Moult All uppers 0 Abr. W/T N.

All unders 0

Stm. $\frac{1}{1}$ spider, insects Skl. $\frac{3}{5}$ ossif.

Sk. 248 Myagra ♂ $\frac{1}{4} + \text{white}$ (sex verified)

Female plumage. Soft parts usual.

Shot 6-7 A.M. Wt. 13 grams W. 73 TL. 67

Moult Uppers 0 few nattered Abr. W/T N.

Unders 0 " "

Stm. $\frac{1}{2}$ insects Skl. Comp. ossif.

Sk. 249 Myagra ♂ $\frac{1}{2} - \text{white}$

♂ ad.

Shot 6-7 A.M. Wt. 14 grams W. 75 TL. 67

Moult W.R. 1, 2f (x) 13, 15) covs. M Abr. W/T N.

L. 1, 2, 13-15,) sec. 0

Uppers 0 few

All unders C X neck, chin

Stm. $\frac{1}{1}$ insects Skl. Comp. ossif.

Sk. 249A Myagra ♂ $\frac{3}{4} \text{white}$

♂ ad. plumage. Badly shot damaged.

Shot 6-7 A.M. Wt. 13.5 grams W. 75 TL. 66.5

Moult Abr. W/T N.

Stm. $\frac{1}{4}$ insects Skl. Comp. ossif.

Sk. 250 Zosterops lat. nig. ♀ $\frac{1}{2} -$

Badly shot damaged.

Shot 8 A.M. Wt. 18 grams W. 65 TL. 49.5

Moult TL covs 0 Abr. W/T N.

All unders 0

Stm. $\frac{1}{4}$ seeds, berries Skl. Completely shot away but probably ossif.

Sk. 251 Lichmera ♀ $\frac{3}{4} + 0.S.E.$

Gape soft yellow. Very fat.

Shot 9 A.M. Wt. 14.3 grams

Moult All uppers and unders C

Stm. $\frac{1}{4}$ insects, nectar

Abr. W/T N.

Skl. Comp. ossif.

Tuesday, 3 May 1938

Weather. Fine, sunny, hot day, cool night, light NE, N and NW airs, variable clouds 10-15%.

Birds. Along beaches. Note Sterna bergii only tern but very common feeding on great shoals of fish now moving into shallow margins of lagoon. Collorali spod. 6 only seen.

2 blue Demigretta seen. Both shot, 1 imm. and adult imm. badly damaged. This Demigretta makes a full tally of previous birds recorded from Uvea I have collected. 8 unrecorded species.

Sk. 252 Demigretta ♂ $\frac{1}{2}$ - white Blue phase.

Common along beach in vicinity of rocks but rarer on stretches of sand beaches. Common along rocks of E side of island more so than on lagoon W side.

Iris yellows? Bill black, horn yellowish tip.

Legs and feet Green by artificial light.

Shot 10 A.M. Wt. 872 grams W. 352 TL. 121

Moult W.R. 7, 8, 9f, 23, 24f) Abr. W/T N.

L 7, 8, 9f, 23, 24f) covs. 0

TL. covs M

Neck, crown 0

All unders 0 X chin C

Stm. $\frac{1}{1}$ sardines (crop also)

Skl. ? thick opaque

Aplonis ♀ $\frac{1}{2}$ -

Too badly shot damaged for skin.

Shot 5 P.M. Wt. 72.6 grams W. 107 TL. 60

Moult Nape, crown 0 Abr. W/T N.

All unders 0 few nattered

Stm $\frac{1}{1}$ seeds, berries, snails (in chunks) Skl. Comp. ossif.

Wednesday, 4th May 1938

Weather. Sun and cloud, fine. Light N and NE airs. Clouds 10% 20%, 12 AM - 3 PM 80%, 4 P.M. 60%, 5 A.M. 40%

Bush. Tidal lagoon, mangrove, coastal 5 and 10 ft. scrubs.

Birds. 28 Demigretta seen, all blues. 4 Accipiter, 1 shot and lost in low dense coastal wind scrub. 1 Chalcities seen and shot. 2 others heard. A flock of about 60 Anas on margin of tidal lagoon. 6 Limosa (waders) seen, 2 shot. Hirundo very numerous about lagoon and cliffs where they nest. 30 Collocalia spod. seen and one nesting about this tidal lagoon. Other birds of usual common varieties seen. Noted about 1 dozen Frigata minor all ♂ fishing off the open sea coast. Zosterops lat. common in mangrove scrubs. Saw 1 Ducula high on wing, these occasionally appear from Lifu but are not common nor do they breed by native accounts.

Sk. 253 Chalcities ♂ $\frac{1}{4}$ - (white?) Gonads shot damaged.

Shot in mangrove shrub in centre of tidal lagoon at low tide. Seem fairly numerous in this area by native accounts but were not as numerous as on Mare Island.

Iris reddish yellow? (artificial light) Bill black
Legs and feet black

Shot 4:15 P.M. Wt. 22.65 grams W 98 Tl. 71

Moult W.R. 4) covs. 0 Abr. W/T N.
L 4f)

Rump, back 0 nape, crown C

All unders C belly skin M

Stm. $\frac{1}{1}$ caterpillars Skl. $\frac{2}{5}$ ossif.

Sk. 253A Limosa ♂ $\frac{0}{0}$ + black Wader. Migrant non breeder.

Iris brown Bill white horn, black horn tip, half

Legs and feet dark slate

Shot 4 P.M. Wt. 222.6 grams

Stm. $\frac{1}{2}$ small crabs and sand worms

Sk. 254 Halcyon ♀ $\frac{1}{2}$ -

At this season juveniles greatly outnumber adults.

Shot 9 A.M. Wt. 40.1 grams W. 87 Tl. 56

Moult neck, chin 0 Abr. W/VS) some body
T/S) abrasion

Stm. $\frac{3}{4}$ one sun lizard Skl. $\frac{9}{10}$ ossif.

Sk. 254B Pachycephala ♀ Imm. 1 - 0.V.S.E. ♀ plumage.
2

Coastal 10 ft. scrubs. Badly shot damaged.

Shot 3 P.M. Wt. 38 grams W. 92 Tl. 70

Moult Nil Abr. W/T N.

Stm. 1 caterpillars, grubs Skl. 1 ossif.

1

10

Myagra ♀ 1 + 0.V.S.E.

2

Too badly damaged about head for skin. ♀ plumage.

Shot 8 A.M. Wt. 12.75 grams W. 71 Tl. 65

In mangroves of tidal lagoon.

Moult

Abr. W/T N.

some body 5

Stm. 1 insects, beetles

Skl. Comp. ossif.

1

Hirundo ♂ 1 - black Very fat.

4

2 shot, both turned bad before skinning, feathers falling out. Common about lagoon and cliffs.

Iris brown Bill black Legs and feet black

Shot 4:30 P.M. Wt. 23.1 grams W. 105+ Tl. 45+

Moult W.R. 2,3,13) covs. 0

Abr. mixed 1st)

L 2,3, 13) sec. 0

P. V.M.) W

TL R. 3,4,6, L 3, 4, 6 covs. 0

Hair N.)

Rump, back 0

TL mixed M EN

Stm. 1 insects

Skl. Comp. ossif.

1

Native name Hirundo WAH-HAT-GOH

Thursday, 5th May 1938

Weather. Very hot and close, sun, cloud, thunder shower.
Variable winds, gusty, NE at times, cloud 20-80%.

Birds. Usual ones seen during afternoon. 1 Chalcities heard calling. 6 Collocalia leucop. spod. seen.

Sk. 255 Aplonis ♂ 1 - black
2

Shot 5 P.M. Wt. 75 grams W. 111 Tl. 61

Moult Abr. W/T Nil

Stm. 1 fruit, berries

Skl. Comp. ossif.

1

Friday, 6th May 1938

Weather. Heavy rain till 1 P.M., then showers off and on, wind NW gusty. Clouds 100%.

Bush. Low scrub and forest and coconut groves.

Birds. Usual common ones seen. Fairly active after rain, more so than usual at such times. 8 Collocalia spod. leuc. seen in very short distances and time (about 1 hour) evidently more numerous this day.

Sk. 256 Zosterops lat. nig. ♂ $\frac{1}{4}$ + white

Shot 2 P.M. Wt. 17.35 grams W. 64 TL. 47.5
Moult W.R. 14, 15) covs 0 few Abr. W/T N.
 L. 14, 15)
 TL covs 0
 Nape, back 0 chin 0
Stm. 0 one seed Skl. $\frac{2}{3}$ ossif.

Sk. 257 Gerygone (w) ♂ $\frac{1}{2}$ - white

Shot 1:50 P.M. Wt. 7.8 grams W. 54 TL. 40
Moult Crown 0 Abr. W/T N.
Stm. $\frac{1}{2}$ minute insects and Skl. Comp. ossif.
 2 insect eggs

Sk. 258 Gerygone (y) ♀ $\frac{1}{4}$ +

Shot 2:10 P.M. Wt. 7.35 grams W. 51 TL. 39.5
Moult Nape, crown 0 Abr. W/T N.
 Breast, neck, chin 0
Stm. $\frac{3}{4}$ insects, pale green Skl. $\frac{3}{4}$ ossif.
 4 small insect eggs

Sk. 258 A Halcyon ♂ $\frac{1}{4}$ white

Iris brown Bill black and white horn
Legs and feet very dark nigger brown, almost black
Shot 2:30 P.M. Wt. 41.8 grams W. 89 TL. 56
Moult W.R. 20, 21, 23) covs 0 Abr. W/T N.
 L. 20)
 TL R, 3-6, L, 3-6, covs M
 All uppers M
 All unders M X neck, chin 0
Stm. $\frac{1}{2}$ wood grubs Skl. $\frac{2}{10}$ ossif.

Sk. 258 B Halcyon ♂ $\frac{1}{4}$ white

Shot 2:35 P.M. Wt. 40.5 grams W. 88 Tl. 57

Moult W.R. 1, 2, 13-16) covs M
L. 1, 2, 13-16) sec. 0 Abr. W/T N.

All uppers C

All unders C or M

Stm. $\frac{1}{1}$ wood grubs, insects, beetles

Skl. $\frac{9}{10}$ 1/2 ossif. As above but slightly more so.

Saturday 7th May 1938

Weather. Dull, showery, moderate northerly, clouds 100%

Birds. Usual common run seen. 1 Collocilia spod.

7 Halcyon shot, moult made it useless to skin, 5 of these as mostly tail was incorrect. 8 or 9 Frigata ariel seen.

Sk. 259 Halcyon ♀ $\frac{1}{2}$ +

Shot 6-7 A.M. Wt. 42.2 grams W. 90 Tl. 58

Moult TL R. 1. covs M
All uppers M Abr. W/T V.S.

All unders M

Stm. $\frac{1}{2}$ caterpillar, insects Skl. $\frac{2}{3}$ ossif.

Sk. 259B Halcyon ♂ $\frac{1}{4}$ white

L.T.V. Shot 6-7 A.M. Wt. 38.85 grams W. 86 Tl. 56

Moult W.R. 1,2,14,15) covs 0 Abr. W/T N.
L. 1,2,14,15)

TL R. 3-6.6,3-6 covs 0

Rump M Nape C

All unders 0 to C

Stm. $\frac{1}{4}$ insects Skl. $\frac{9}{10}$ ossif.

Sunday, 8th May 1938

Weather. Fine, sunny, light E wind, clouds 20-30%. Heavy rains at night

Birds. 4 Frigata seen. 2 ♂ and 2 ♀ (ariel)

Monday, 9th May 1938

Weather. Gusty SE and E wind, showers off and on, fining towards midday. Clouds 80-100%.

Bush. Low scrub, open swamp lands, coconuts, etc.

Birds. Usual run of common ones seen. 1 Hypotaenidia. 50 or 60 Collocalia spod. leuc.

Sk. 260 Collocalia spod. leuc. ♀ $\frac{1}{4}$ =

Shot 6:30 A.M. Wt. 8.35 grams W. 114 TL. 47.5

Moult TL R1 covs M Abr. W/T N.

Rump, back M nape, crown 0

belly, breast C neck, chin 0

Decreasing tail to head

Stm. $\frac{1}{1}$ minute insects

Skl. $\frac{1}{3}$ ossif.

Sk. 261 Collocalia spod. leuc. ♂ $\frac{1}{2}$ + white

Shot 6:30 A.M. Wt. 9.25 grams W. 116 TL. 49

Moult W.R. (x) 1 Abr. W/T N.

L. 1

TL R, 1,2,L,1,2 covs M

All uppers M

All unders M X nape, chin C

Stm. $\frac{1}{1}$ insects

Skl. $\frac{1}{3}$ ossif.

Sk. 261A Lalage ♂ $\frac{1}{4}$ - black Imm.

L.T.V.

Iris dark brown Bill black horn Legs and feet Black

Shot 7:30 A.M. Wt. 22.8 grams W. 84 TL. 80

Moult TL covs M Abr. W/S

Rump, back M nape 0 crown C T/V.M.

All unders M

Stm. $\frac{1}{4}$ seeds, insect eggs
4 (? spider eggs)

Skl. (x)? $\frac{1}{5}$ ossif.

Tuesday, 10th May 1938

Weather. Dull, cloudy, overcast, strong E wind. Clouds 80-100%.

Bush. Open types scrub, grassland, swamps, etc.

Birds. Usual birds seen but very few of any species except Lichmera which appeared to be the only active species today, all others very silent and subdued. 50-100 Collocalia spod. seen. 2 Accipiter seen far away on wing over swamp lands.

Sk. 262 Halcyon ♀ 1 + 0.V.S.E.

2

As with all this species, generally it has flying tick parasites and a white worm parasite between skin and flesh, generally about head and neck but found elsewhere also. Enters at eye lid I believe. Specimens in alcohol.

Shot 8:30 A.M. Wt. 39.75 grams W. 87 TL. 57

Moult W. sec. covs 0 few Abr. W/T N.

TL. R. 2, L2, covs M

Rump M back C nape 0 crown C

Vent belly flank M neck 0 chin C

Stm. 1 blow flies, 1 wasp, beetles Skl. Comp. ossif.

1

Sk. 263 Collocalia spod. leuc. ♂ 1 white

2

Shot 2:30 P.M. Wt. 9.4 grams W. 113 TL. 47

Moult W.R. 1, L 1 Abr. W/T N.

TL. R. 2,3, L, 2, 3 covs M

All uppers M (decreasing towards crown)

All unders M (" " ")

Stm. 1 insects

Skl. 1 ossified
3

1

Sk. 264 Collocalia spod. leuc. ♂ 1 - white

2

Shot 3:30 P.M. Wt. 9.15 grams W. 110 TL. 49

Moult TL. R1. L1. covs 0 Abr. W/T N.

All uppers C X crown 0

All unders 0

Stm. 1 insects

Skl. 1 ossif. as above
3

1

Sk. 265 Halcyon ♀ 1 0.V.S.E. Has both types parasites.

2

Shot 2:30 P.M. Wt. 40.6 grams W. 85.5 TL. 56

Moult nape, crown 0 Abr. W/T N.

All unders 0 X neck, chin C

Stm. 1 residue

Skl. 9 ossif.
10

4 very small fish bones,

probably tide wrack dead fish.

Collocalia spod. leuc. ♀ $\frac{3}{4}$ - Too damaged for skins.

(1) Shot 6:30 A.M. Wt. 8.13 grams W. 114 TL. 49
Moult TL. R.L. Ll. covs 0 Abr. W/T N.

Rump C crown 0

All unders C

Stm. $\frac{1}{2}$ insects

Sk1. $\frac{1}{4}$ ossif.

(2) Shot 3 P.M. Wt. 8.3 grams W. 114 TL. 48.5
♂ $\frac{1}{2}$ + white

Moult TL Rl, Ll, covs M

Rump M back C nape 0 crown 0

All unders M

Stm. $\frac{1}{1}$ insects

Sk1. $\frac{1}{4}$ ossif.

(3) Shot 3 P.M. Wt. 7.65 grams W. 114 TL. 49.5
V.S. shot damaged at gonads.

Moult TL. R, 1,2, Ll, 2, covs M. Abr. W/T N.

All uppers M to 0 tail to head

All unders M to 0 " " "

Stm. $\frac{1}{1}$ insects

Sk1. $\frac{1}{3}$ ossif.

Wednesday, 11th May 1938

Weather. Fine, sun and clouds. Fresh E wind, clouds 40-60%.

Bush. Tidal lagoon, salt swamps, swamp, low bush, coconuts, etc.

Birds. Usual common run seen. About 100 Collocalia spod leuc.
1 Accipiter seen near lagoon.

Sk. 266 Hirunda ♀ $\frac{1}{4}$ +

Shot in and about tidal lagoon and coral cliffs and caves
at Lecking in south of island. Very common here.

Shot 9-10 A.M. Wt. 21.2 grams W. 114 TL. 50

Moult W.R. 2,3,14) covs 0

L. 2,3,14) sec. 0

TL R. 4,6, L. 4, 6

Stm. $\frac{1}{1}$ beetles, insects

Sk1. $\frac{2}{3}$ ossif.

Abr. W Is P. M

others N

TL 5th P M

1st R S

Others N

Sk. 267 Hirunda ♂ $\frac{1}{2}$ - white

Shot 9-10 A.M. Wt. 21.7 grams W. 105+ TL. 45
Moult W.R. 2,3, 13, 14) covs 0 Abr. W. 1st P M
 L, 2,3, 13) sec. 0 Others N
 TL R, 3,6, L, 3,4,6 TL 5th P M
 Crown 0 Others S to N
Stm. $\frac{1}{1}$ small grasshopper and insects
 Skl. $\frac{4}{5}$ ossif.

Sk. 268 Hirunda ♂ $\frac{1}{2}$ - (L.T. black R.T. white and slightly smaller)

Shot 9-10 A.M. Wt. 21.1 grams W. 105 TL. 43.5
Moult W.R. 1,2,15)sec 0 Abr. W/T N.
 L 1,2, 14, 15) covs 0
 TL. R 4,5, L, 3-6
Stm. $\frac{3}{4}$ beetles, insects Skl. $\frac{9}{10}$ ossif.

Thursday, 12th May 1938

Weather. Fine, sunny, fresh ESE breeze, clouds 40-60%. Showers at night.

Birds. Usual run seen. In pursuit of Columba and flying foxes, none seen. Heard one Trichoglossus calling in flight overhead.

Friday, 13th May 1938

Weather. Fine, sunny till 3 P.M., then showers and sun. Fresh ESE breeze. Clouds 40-60-80%.

Bush. Tall original forest, much secondary trees and shrubs.

Birds. Saw and shot 1 Rhipidura but having to shoot at long range with big cartridges lost the specimen in underbrush. It appeared at a distance somewhat paler under than Mare specimens but this is uncertain. It is rare on Uvea Is. and only inhabits the deepest forests. Saw 3 Nymphicus and examined a nesting hollow of this species. This hollow was about 15 or 20 ft. up in the main trunk of a teak tree of about 2 ft. diam. at 4 ft. above the ground and 18" diam. at nest site. Nest entrance was about 8" x 4" in a leaning part of the tree thus. Main limbs began a few feet above nest entrance and only sucker knobs appeared below nest entrance. Nest site was about 18"

down, 15' or 20' below entrance almost directly under the entrance and chamber was about 1/2 of the diameter of the tree. Only rotten wood is used as far as I can see to lay the eggs on. I saw pieces of shell, white in color and giving an impression of a round egg. These pieces of shell were right at the outside of the nest cavity. Beak marks were visible inside and about the interior. A bird was in the vicinity and would not leave the place but was too wary to be shot or even properly seen but gave the impression of being a juvenile. It finally departed when I shot at Rhipidura but called from 30 or 40 yds. and when pursued, returned in a circle about the nesting tree locality. These birds are shy and once they know of observers' presence keep out of sight and are difficult to see. Being generally a silent bird only occasionally calling gives the impression of their being much rarer than they really are.

Heard one Chalcities calling and many Cacomantis. Noted that well in the centre of absolute forest there were absolutely no Lichmera but many Myzomela. Zost. lat. was also fairly common as were Myagra and Pachycephala and a fair number of Gerygone (Gerygone very evenly distributed). Saw Sterna bergii feeding young on a submerged tree 50 yds. from beach on way home. Both shot but adult flew 300 yds out to sea before falling.

Sk. 269 Cacomantis ♂ $\frac{1}{2}$ - white (L.T. $\frac{1}{2}$ R.T. $\frac{1}{4}$)

Native name DID-JI-LAN

Soft parts usual. Iris perhaps paler, more brown than usual.

Shot 6 A.M. Wt. 50.4 grams W 140 TL 147

Moult TL covs 0 Abr. W/T N.

Nape C

All unders 0

Stm. $\frac{3}{4}$ caterpillars, large grub Sk1. $\frac{4}{5}$ ossif.

Sk. 269A Sterna bergii ♀ $\frac{1}{4}$ Native name MAHT. Low tide, full moon.

Juv. being fed by parent. Iris brown Bill pale green
tinge yellow Legs and feet black

Shot 12 Noon Wt. 272 grams Very fat. Stm. $\frac{0}{0}$ empty.

Sk. 270 Aplonis ♂ $\frac{1}{2}$ - white Repose

Shot 8 A.M. Wt. 73.35 grams W. 110 Tl. 61
Moult Abr. W/T N.
Stm. $\frac{1}{1}$ vine berries Skl. Comp. ossif.

Lalage ♂ $\frac{1}{2}$ + (dark grey, blackish) Too badly damaged for skin.

Shot 1 P.M. Wt. 24.1 grams W. 88 Tl. 81
Moult TL, L. 3f, covs M Abr. W/T N.
All uppers M (decreasing tail to head)
All unders C
Stm. $\frac{3}{4}$ berries, insects Skl. Comp. ossif.

Sk. 271 Pachycephala ♀ $\frac{3}{4}$ + O.C.E.

Shot 6-9 A.M. Wt. 41.95 grams W. 98 Tl. 73
Moult W. R. 15 Abr. W/T N.
TL R. 6
Lower breast M
Stm. $\frac{1}{1}$ large green caterpillar, 1 small grub,
1 spider, milluscs, beetles Skl. $\frac{1}{2}$ ossif.

Sk. 272 Pachy. ♀ $\frac{1}{2}$ ♀ plumage.

Shot 6-9 A.M. Wt. 41.75 grams W. 95 Tl. 71
Moult All unders 0 Abr. W/T N.
Stm. $\frac{3}{4}$ grubs, beetles, insects Skl. $\frac{1}{3}$ ossif.

Sk. 273 Pachy. $\frac{3}{4}$ O.V.S.E. Flacid, wrinkled, discolored ovocytes

in ovary. ♀ plumage.
Shot 6-9 A.M. Wt. 40.4 grams W. 98 Tl. 72
Moult TL covs M Abr. W/T N.
Rump, back M nape, crown 0
All unders 0
Stm. $\frac{1}{2}$ 1 cricket (forest) Skl. Comp. ossif.

Saturday, 14th May 1938

Weather. Sun, cloud and showers, gusty E and NE wind. Clouds 60-80-100%.

Bush. Taru swamps and swamps.

Birds. One Porphyrio heard in area reported but not seen.
 2 Accipiter seen on wing. Usual run of birds seen.
Collocalia spod. leuc. rare, only 4 seen.
 N.B. Halcyon specimens marked 9/10 ossif. previously
 are undoubted adults as the small spots without marks
 are thicker than the rest of skull, are ridges in feet.

Sk. 274 Halcyon ♂ $\frac{1}{2}$ - white (repose) Specimen fat, has no
 parasites of either kind common to this species.
Shot 6:30 A.M. Wt. 45.5 grams W. 87 Tl. 54
Moult W.R. 1f Abr. W/T N.
 L. 1f
 Rump, back 0 Nape M Crown 0
 All unders C
Stm. $\frac{1}{1}$ host of small white caterpillars Skl. Comp. ossif.
 2 thick ridges very small without marks but
 and are thick ridges.

Sk. 275 Halcyon ♂ $\frac{1}{4}$ (LT black RT white)
Shot 6 A.M. Wt. 38.5 grams W 89.5 Tl. 58.5
Moult TL covs C Abr. W/N
 Rump, back M T/S
 Nape, crown C
 All unders M
Stm. $\frac{3}{4}$ grasshopper Skl. $\frac{9}{10}$ ossif.

Sunday, 15th May 1938

Weather. Dull, cloudy, showers till 11 P.M., fine then onward.
 Wind gusty, E to NE, clouds 80-100-60-40%.

Eclipse of moon at night.

Monday, 16th May 1938

Weather. Heavy continuous rain till 11 P.M. Strong N and NW
 winds, clouds 100%, then clearing sun and clouds,
 clouds 60%. Strong NW to NNW winds.

Bush. Coconut groves and garden land near house.

Birds. 1 Anas seen and shot. Nymphicus heard. Birds feeding
 much. Collocalia feeding much in rough weather.

Sk. 276 Lalage ♂ $\frac{1}{2}$ - black

Shot 12 Noon Wt. 22.55 grams W. 85 Tl. 76
Moult W.R. (x) 13, 14 Abr. W/T N.
 L. 13, 14 (x)
 TL. 4. 1, L, 1, 3, 5, covs M
 All uppers M
 All unders M
Stm. $\frac{1}{4}$ caterpillar, fig seeds Skl. Comp. ossif.

Sk. 277 Lalage ♂ $\frac{3}{4}$ - opaque greyish white (LT $\frac{3}{4}$ RT $\frac{1}{2}$ +)

Shot 12 Noon Wt. 23.65 grams W. 87 Tl. 78
Moult TL. L6 covs M Abr. W/T N.
 Rump, back, nape M crown C
 All unders M (decreasing tail to head)
Stm. $\frac{1}{4}$ caterpillar, insects Skl. Comp. ossif.

Sk. 278 Halcyon ♀ $\frac{1}{2}$

Shot 12:15 P.M. Wt. 40.45 grams W. 87 Tl. 56
Moult W.R. 1,2,14,15) covs C Abr. W/T N.
 L. 1,2,14,15) sec. 0
 Nape 0
 Unders 0 few nattered
Stm. $\frac{1}{4}$ insects Skl. Comp. ossif.

Tuesday, 17th May 1938

Weather. Dull, cloudy, strong W wind, clouds 100-90-100%.

Bush. Usual run seen, but all species very inactive and subdued. Possibly previous boisterous night has tired birds on perches. Tho' in good Nymphicus territory and where they are commonly seen none were seen or heard. Numbers of Frigata ariel seen.

Sk. 279 Lalage ♂ $\frac{1}{2}$ + black (LT $\frac{3}{4}$ RT $\frac{1}{2}$ -)

Shot 9:30 A.M. Wt. 23.85 grams W. 85 Tl. 75.5
Moult W.R. (x) 12,14,15) Abr. W/N T
 L. 12-15
 TL covs M
 Rump 0 back, nape M crown C
 All unders C decreasing tail to head
Stm. $\frac{1}{1}$ green caterpillars and insects Skl. Comp. ossif.

Sk. 280 Lalage ♀ $\frac{1}{2}$ + 0.S.E.

Shot 9:30 A.M. Wt. 23.3 grams W 84.5 Tl. 75
Moult W.R. 1, (x) covs 0 Abr. W/N
 L. 1, 15) sec. 0 T/mixed avers S.
 TL (x) R, 4-6, L 4-6 covs 0 Consid. body colour
 All upper 0 x nape M abrasion and on tail
 All unders 0 also.
Stm. $\frac{3}{4}$ caterpillar, insects Skl. $\frac{9}{10}$ ossif.

Sk. 281 Myagra ♀ $\frac{1}{2}$ - repose ♀ plumage.

Shot 9 A.M. Wt. 13.7 grams W. 72 Tl. 68
Moult W.R. 1, 2, 13-15) covs 0 Abr. W/T N.
 L. (x) 1, 2, 13-15) sec. 0
 TL. (x) R. 6 covs M
 Rump, back M nape, crown 0
 Belly M breast C flank 0
Stm. $\frac{3}{4}$ beetles Skl. Comp. ossif.

Sk. 281B Pachycephala ♂ $\frac{1}{2}$ - white Badly shot damaged.

LTV ♀ plumage. Shot 7 A.M. Wt. 40.1 grams W. 101 Tl. 73
Moult W.R. (x) Abr. W/T N.
 TL. L6f
Stm. $\frac{1}{1}$ molluscs, beetles, insects Skl. $\frac{3}{4}$ ossif.

Hypotaenidia is still breeding. A young one taken this day or what is believed to be a young Hypot.

Wednesday, 18th May 1938

Weather. Fine, sunny, odd showers, fresh SW breeze, clouds 20-40%.

Bush. Low 25 ft. forest and native gardens.

Birds. Usual run seen, 1 Chalcities seen and shot.

Sk. 282 Chalcities ♂ $\frac{3}{4}$ yellowish white

Soft parts usual. Shot 8 A.M. Wt. 21.725 grams W. 98 Tl. 69
Moult W.R. 4 Abr. W/T N.
 Rump 0 back, nape, crown M
 All unders M
Stm. $\frac{1}{1}$ caterpillars Skl. $\frac{1}{4}$ ossif.

Sk. 283 Pachycephala ♀ $\frac{1}{1}$ O.M.E. Breeding patch, diam. large

oocyte. 3.25 mm, 2.3 mm., several smaller. An old bird.

♀ plumage. Shot 9:30 A.M. Wt. 49.5 grams W. 99 TL. 72.5

Moult Nil Abr. W/T N.

Stm. $\frac{1}{1}$ caterpillar, spider, beetles

Skl. Comp. ossif. and very thick.

Sk. 284 Halcyon ♂ $\frac{1}{2}$ - white

Shot 10 A.M. Wt. 43.1 grams W. 88 TL. 58

Moult W.R. (x) 2,3, 13-16) covs M Abr. W/T N.

L. 2,3,13,15) sec. 0

TL covs M

All uppers 0

All unders 0 few

Stm. $\frac{1}{2}$ grasshoppers

Skl. $\frac{1}{2}$ ossif.

Sk. 284A Aplonis ♂ $\frac{1}{4}$ + black Imm.

Shot 7:15 A.M. Wt. 73.3 grams W. 110 TL. 60

Moult TL (x) Abr. W/S) Some colour

T/S) abrasion on body

Stm. $\frac{1}{1}$ large seeded fruit berries Skl. $\frac{1}{10}$ ossif.

Thursday, 19th May 1938

Weather. Fine, clear, sunny, light SW wind, clouds 5-20%.

On mail. No bird work.

Friday, 20th May 1938

Weather. Fine sun and cloud, gusty SE wind, clouds 60-80%.

Mail. No bird work. 1 mammal skin and 1 in alcohol.

Saturday, 21st May 1938

Weather. Sunny till 10 A.M., gusty SE breeze, clouds 5-10%.

Then heavy showers off and on, clouds 60-80%.

On mail.

Log closed for posting.

Sunday, 22nd May 1938

Weather. Sun and cloud and showers, strong gusty SE wind.
Clouds 60-80%.

Monday, 23rd May 1938

Weather. Sun, cloud and showers, strong gusty SE wind. Clouds
60-80-100%.

Phoque passed north.

Tuesday, 24th May 1938

Weather. Same as previous day.

M.V. Phoque here and away same day.

Wednesday, 25th May 1938

Weather. Same as previous day, wind stronger.

Bush. Tall and short forest.

Birds. Usual seen. 1 Accipiter seen hunting in forest. 3 Nymphicus
seen, 1 shot but tail shot clean away.

Sk. 285 Gerygone ♀ $\frac{1}{2}$ - (repose)
(w) 2

Shot 6:30 A.M. Wt. 6.45 grams W. 52 TL. 38

Moult TL covs M Abr. W/N

rump 0 neck 0 T/F

Stm. $\frac{1}{2}$ minute insects Skl. Comp. ossif.

Sk. 285A Myzomela ♀ $\frac{1}{2}$ - O.S.E.
2

Shot 6:15 A.M. Wt. 7.65 grams W. 56 TL. 38

Moult W.L (x) Abr. W/T N.

TL covs 0

All uppers 0

All unders 0

Stm. $\frac{1}{4}$ insects nectar Skl. $\frac{1}{5}$ ossif.

Sk. 285B Myzomela ♀ $\frac{1}{2}$ - O.S.E.

Shot 8 A.M. Wt. 7.6 grams W. 55 Tl. 39
Moult W.R. 15 Abr. W/T N.
 TL (x)
Stm. $\frac{1}{4}$ insects Skl. $\frac{3}{5}$ ossif.

Sk. 286 Myagra ♂ $\frac{1}{2}$ - LT white RT black

Shot 8 A.M. Wt. 12.05 grams W. 76 Tl. 68
Moult TL (x) Abr. W/T N.
Stm. $\frac{1}{4}$ insects (egg?) Skl. Comp. ossif.

Sk. 287 Pachycephala ♂ $\frac{1}{1}$ white 12 x 7 mm.

Shot 7:30 Wt. 43.7 grams W. 100 Tl. 74
Moult Nil Abr. W/T N.
Stm. $\frac{1}{4}$ caterpillar Skl. Comp. ossif.

Sk. 288 Pachy. ♂ $\frac{3}{4}$ + white ♀ plumage

Shot 2-2:30 P.M. Wt. 42.45 grams W. 98 Tl. 72
Moult Nil Abr. W/VS
Stm. $\frac{1}{4}$ insects Skl. .99 ossif. T/N

Sk. 289 Pachy. ♀ $\frac{3}{4}$ O.S.E. ♀ plumage.

Shot 2-3:30 P.M. Wt. 39.6 grams W. 97 Tl. 71
Moult Nil Abr. W/T N.
Stm. $\frac{1}{2}$ milluscs, beetles Skl. $\frac{9}{10}$ ossif.

Sk. 290 Pachy. ♀ $\frac{3}{4}$ + O.S.E. ♀ plumage.

Shot 2:3:30 P.M. Wt. 43.55 grams W. 98 Tl. 74
Stm. $\frac{1}{2}$ grubs, beetles Skl. $\frac{9}{10}$ ossif.

Thursday, 26th May 1938

Weather. Sun and cloud, strong SE to E wind. Clouds 20-40-60-80-100%. variable.

Bush. Tall original forest and short forest.

Birds. Usual run seen. 2 Nymphicus heard. Noted Pachycephala breeding, nest collected, 2 young ♂ about 5-7 days old (thick blue plumes not yet opened) Chalcities heard and shot but lost. Several Myagra shot and lost. No sign of Rhipidura

N.B. Some dates on tags for this day may be wrongly recorded as I finished 6/26.

Sk. 291 Pachy. ♀ $\frac{1}{1}$ O.C.E. flacid. Parent of 2 young 5-7 day

old. Nest taken, see nest this date.

Shot 10:30 A.M. Wt. 39.9 grams W. 101 Tl. 75

Moult Nil Abr. W/T N.

Stm. $\frac{1}{2}$ beetles Sk1. Comp. ossif.

Sk. 292 Gerygone ♀ $\frac{1}{2}$ - repose

Shot 6-7 A.M. Wt. 6.15 grams W. 52 Tl. 39

Moult Under $\frac{0}{0}$ few Abr. W/T S

Stm $\frac{1}{2}$ scale insects Sk1. Comp. ossif.

Sk. 292A Gerygone ♂ $\frac{1}{2}$ white

Shot 7-8 A.M. Wt. 6.6 grams W. 54 Tl. 43

Moult TL R1 covs $\frac{0}{0}$ Abr. W/T N.

Uppers $\frac{0}{0}$ few

Unders $\frac{0}{0}$ few

Stm. $\frac{1}{4}$ insect eggs Sk1. Comp. ossif.

Sk. 292B Zosterops ♂ $\frac{1}{4}$ white

Shot 11:15 A.M. Wt. 17.9 W. 63 Tl. 50

Moult W.R. 5, 10f, 11, 18) covs $\frac{0}{0}$ Abr. W/T N.

L. (x) 4, 10) sec. $\frac{0}{0}$

TL, R1, L, 1, 2, covs $\frac{M}{M}$

Rump, back $\frac{0}{0}$ Nape $\frac{C}{C}$ Crown $\frac{M}{M}$

All unders $\frac{M}{M}$

Stm. $\frac{1}{1}$ seeds Sk1 $\frac{2}{3}$ ossif.

Sk. 293 Zosterops ♀ $\frac{3}{4}$ + O.S.E.

Shot 8:30 Wt. 15.4 grams W. 63 Tl. 52

Moult Uppers $\frac{0}{0}$ Abr. W/T N.

Unders $\frac{0}{0}$ nattered

Stm. $\frac{0}{0}$ empty Sk1. Comp. ossif.

Zosterops ♂ $\frac{1}{4}$ + white imm. Very fat. Too badly damaged
for skin.

Shot 11 A.M. Wt. 16.3 grams W. 62 Tl. 48

Moult W.R. (x) 6, 10f, 17) covs 0 Abr. W/N
L. (x) 6, 10f, 17) T/S

TL L.1 covs 0

Back 0

Stm. $\frac{1}{1}$ seeds, berries Skl. $\frac{1}{3}$ ossif.

Sk. 294 Lalage ♂ $\frac{1}{2}$ - black (LT $\frac{1}{2}$ + RT $\frac{1}{4}$ +)

Shot 3 P.M. Wt. 23.8 grams W. 85 Tl. 77

Moult All uppers C Abr. W/N
All unders 0 T/F

Stm. $\frac{1}{1}$ greenstick, insect, spider Skl. Comp. ossif.

Sk. 294A Lalage ♀ $\frac{3}{4}$ O.C.E.

Shot 3 P.M. Wt. 25.2 grams W. 84 Tl. 76

Moult W.R. (x) Abr. W/T N.

TL (x) covs 0

Rump, back M nape, crown 0

All unders 0

Stm. $\frac{1}{1}$ caterpillars Skl. Comp. ossif.

Sk. 295 Zosterops ♂ $\frac{1}{4}$ white

Shot 3 P.M. Wt. 17.1 grams W. 64 Tl. 51

Moult W. L. 1. Abr. W/T N.

TL (x) 1

Unders 0

Stm. $\frac{1}{2}$ vine berries Skl. $\frac{1}{5}$ ossif.
(called blue ink berries)

Sk. 296 Zosterops ♂ $\frac{1}{2}$ - white

Shot 3 P.M. Wt. 16.1 grams W. 62 Tl. 50

Moult W.R. Abr. W/T N.

L

TL covs M

All uppers 0 few

Neck, chin 0

Stm. $\frac{1}{2}$ chili peppers Skl. Comp. ossif.

Friday 27th May 1938

Weather. Fine, sunny and cloud off and on. Gusty E wind
Clouds 10-60% (at 5 P.M. heavy clouds to N)

Bush. Tall original forest.

Birds. Usual run seen. 4 Nymphicus seen, 3 shot and badly damaged tail

N.B. Some tags dated this day may be actually

Sk. 297 Nymphicus ♀ $\frac{3}{4}$

Shot 2 P.M. Wt. 121.2 grams W. 157 TL. 154

Moult Neck 0

Abr. W/T N.

Stm. $\frac{1}{1}$ chewed seeds, crop $\frac{1}{4}$ seeds Sk1. Comp. ossif.

Sk. 297A Nymphicus (sub ad.) U.S. ♀ as trace oviduct, badly shot damaged.

Shot 5 P.M. Wt. 138.3 grams W. 161 TL. 153

Moult TL covs 0

Abr. W/S some color

All uppers 0

T/F body & W & T

All unders 0

Nape, crown C cheek 0

Sk1. Comp. ossif. but thick

Chin C

Stm. $\frac{1}{1}$ chewed seeds, crop $\frac{1}{2}$ soft seed, possibly shell
2 removed before swallowing.

Sk. 297B Nymphicus ♂ $\frac{1}{2}$ - repose (LT $\frac{3}{4}$ - RT $\frac{1}{4}$) greyish white
N.T.V.

Xtra Badly shot damaged.

Shot 6 A.M. Wt. 125 grams W. 170 TL 167 poss +

Moult TL (x)

Abr. W/T N.

Cheeks, nape, crown 0

Neck, chin 0

Stm. $\frac{1}{1}$ chewed seeds, crop $\frac{0}{0}$ empty Sk1. Comp. ossif.

Taken rather than throw away.

Sk. 298 Myagra ♂ $\frac{1}{4}$ - (LT black RT white) imm. ♀ plumage

Shot 1 P.M. Wt. 11.95 grams W. 71 TL. 64

Moult Nil

Abr. W/T N

Stm. $\frac{1}{2}$ insects

Sk1. $\frac{1}{3}$ ossif.

Sk. 299 Lalage ♀ $\frac{1}{2}$

Shot 3 P.M. Wt. 23.2 grams W. 85 Tl. 74
Moult TL L1 covs M Abr. W/N
 Rump M all uppers 0 T/S
 All unders C
Stm. $\frac{3}{4}$ insects Skl. Comp. ossif.

Sk. 299A Lalage ♀ $\frac{1}{2}$ - repose

Shot 3 P.M. Wt. 21.7 grams W. 84 Tl. 73
Moult TL R, 4,5, L, 4,5, Abr. W/N
 Back, nape, crown 0 T/S
 breast 0 neck, chin C
Stm. $\frac{1}{1}$ insects (grasshopper) Skl. Comp. ossif.

Saturday, 28th May 1938

Weather. Fine, sunny, light SE to E breeze, clouds 10-20%.

Bush. Short forest, coconuts, garden lands.

Birds. Usual run seen. 2 Chalcities seen and shot. Collocalia
spod. leuc. still rare. Noted all species very active
 and calling much.

Sk. 300 Chalcities ♂ $\frac{1}{2}$ + white Iris muddy yellowish

Shot 2-3 P.M. Wt. 21.7 grams W 99 Tl. 70.5
Moult TL R, 2,3, covs 0 Abr. W/T N.
 All uppers C
 All unders C or 0
Stm. $\frac{1}{1}$ beetles, brown matter? Skl. $\frac{1}{5}$ ossif.

Sk. 301 Myagra ♀ $\frac{1}{2}$ ♀ plumage.

Shot 2-3 P.M. Wt. 13.3 grams W. 75.5 Tl. 64
Moult W.R. 14 Abr. W/T N.
 L. 14, 15f
 Nape C crown 0
 Neck, chin 0
Stm. $\frac{3}{4}$ beetles Skl. Comp. ossif.

Sk. 302 Myagra ♀ damaged ♀ plumage.

Shot 2-3 P.M. Wt. 12.45 W. 72 Tl. 61
Moult Nil Abr. W/T N.
Stm. $\frac{1}{2}$ insects Skl. Comp. ossif.

Sk. 303 Myagra ♀ $\frac{1}{2}$ + ♀ plumage

Shot 2-3 P.M. Wt. 11.50 grams W. 74 Tl. 67
Moult Nil Abr. W/T N.
Stm. $\frac{1}{1}$ beetles, insects Skl. Comp. ossif. (x)

Sk. 304 Chalcities ♂ $\frac{3}{4}$ - white

Shot 2-3 P.M. Wt. 19.3 grams W. 96 Tl. 70
Moult TL covs M Abr. W/T N.
 rump, back 0 nape C
 Unders 0
Stm. $\frac{1}{1}$ caterpillars Skl. $\frac{1}{8}$ ossif.

Sk. 305 Lalage ♂ $\frac{1}{2}$ black

Shot 2-3 P.M. Wt. 24.65 grams W. 83 Tl. 75
Moult W. covs 0 Abr. W/T N.
 TL R5, L1, covs M
 Back 0 nape, crown C
 All unders M
Stm. $\frac{1}{1}$ cicada (locust) Skl. Comp. ossif.

Sk. 306 Lalage ♂ $\frac{1}{2}$ - (LT $\frac{1}{2}$ black RT $\frac{1}{4}$ white)

Shot 2-3 P.M. Wt. 22.65 grams W. 85 Tl. 76
Moult W.R. 9, 14 Abr. W/T N.
 TL L3 (x)
 All uppers 0 x nape C
 All unders 0 x neck, chin C
Stm. $\frac{1}{4}$ caterpillar Skl. Comp. ossif.

Sk. 307 Zosterops ♀ $\frac{3}{4}$ + O.C.E.

Shot 2-3 P.M. Wt. 16.5 grams W. 64.5 Tl. 50
Moult W.L. 14 Abr. W/T N.
 Unders 0
Stm. $\frac{1}{2}$ banyan figs Skl. Comp. ossif.

Zosterops ♀ $\frac{1}{2}$ - Rotund as believed to be juvenile.

Shot 2-3 P.M. Wt. 15.15 grams W. 60 Tl. 48
Moult Nil Abr. W/T N.
Stm. $\frac{1}{4}$ banyan figs Sk1. $\frac{9}{10}$ ossif.

Sk. 308 Gerygone ♂ $\frac{1}{2}$ - white

Shot 3-4 P.M. Wt. 6.95 grams W. 53 Tl. 41
Moult Abr. W/T N.
Stm. $\frac{1}{1}$ minute insects Sk1. Comp. ossif.

Yellowish instead of white eyebrow in Gerygone is almost infallible, sign of juvenility. Skull not or only partly ossified.

N.B. Gerygone White breast may be without lemon but eyebrow will be yellow if it is immature. This also I think is sure to refer to Mare notes also. See notes Mare Island.

Sunday, 29th May 1938

Weather. Fine, sunny, light ESE airs, clouds 10-20%.

Monday, 30th May 1938

Weather. Fine, sunny, light ESE airs, clouds 5-10%.

Bush. Coconuts, garden lands, original tall and short forest. Coralline cliffs, etc.

Birds. A very large area a bush covered in search of Rhipidura, none seen. 1 Accipiter seen. No Columba seen though the greater part of the south of the island was covered. Natives cannot account for its absence as there are usually a few about, but it is never very common. 1 Chalcities seen and shot.

Sk. 308A Zosterops ♀ $\frac{1}{4}$ - imm.

Shot 11 A.M. Wt. 17.05 grams W. 64 Tl. 50
Moult W R 8f, 9f, L 8f, 9f Abr. W/T S.
 TL covs M
 Rump M back, crown 0
Stm. $\frac{1}{1}$ banyan fruits Sk1. $\frac{1}{5}$ ossif.

Sk. 308B Zosterops ♀ $\frac{1}{4} +$

Shot 8 A.M. Wt. 15.45 grams W. 63 TL. 49
Moult W.R. 1,2,13f sec.covs 0 Abr. W/T N.
 L. 1,2,13f,14 sec.covs 0
 All uppers 0 rump, back M
 Vent belly M unders 0
Stm. $\frac{1}{2}$ banyan fruits Skl. $\frac{1}{3}$ ossif.

Sk. 309 Chalcities ♀ $\frac{1}{4}$ O.S.E. Very fat.

Shot 1 P.M. Wt. 24.3 grams W. 97 TL. 69
Moult rump 0 nape, crown M Abr. W/mixed N-M average F
 neck, chin C TL/F
Stm. $\frac{1}{2}$ caterpillars Skl. $\frac{1}{5}$ ossif.

Tuesday, 31st May 1938

Weather. Fine, clear, sunny till 10 A.M. then overcast with haze.
 Light airs, clouds 20-100%. (Earth tremor at 2 A.M.
 previous night. Gentle, but long duration, volcanic origin).

All day searching for Columba, none seen.

Wednesday, 1st June 1938

Weather. Dull, overcast after hazy rain previous night. Light
 N airs, clouds 80-100%.

Bush. Original forest and garden lands, etc.

Birds. 2 Nymphicus seen, 1 heard. Note Collocalia spod. leuc.
 fairly common today. 2 Chalcities heard.

Sk. 309A Nymphicus ♂ $\frac{3}{4}$ white (LT $\frac{3}{4}$ RT $\frac{1}{2}$ +) This specimen is
 badly shot damaged, back, front and head but might be
 combined with 297B to make a good skin.

Brought in dead so skinned so as not to waste.

Shot or caught? 11 A.M. Wt. 133.5 grams W. 167 TL. 163
Moult back (x) crown, cheeks C Abr. W/T N.
 neck, chin C
Stm. $\frac{1}{4}$ chewed seeds Skl. Comp. ossif.
 1 crop $\frac{1}{4}$ seeds (& flowers?)

Sk. 310 Myagra ♀ $\frac{1}{2}$ + 0.V.S.E. ♀ plumage.

Shot 12 Noon Wt. 12.075 grams W. 71 Tl. 63
Moult Nil Abr. W/T N.
Stm. $\frac{1}{2}$ beetles Skl. Comp. ossif.

Sk. 310A Myzomela ♀ $\frac{1}{2}$ -

Shot 10 A.M. Wt. 8 grams W. 55 Tl. 39
Moult W.R. (x) Abr. W/T N.
TL R6, L. 4
Rump, back C
Unders 0 few
Stm. Nectar Skl. $\frac{3}{4}$ ossif.

Sk. 310B Gerygone (w) V.S. believe ♂

Shot 8 A.M. Wt. 7.3 grams W. 55 Tl. 42
Moult Nil Abr. W/T N.
Stm. $\frac{1}{2}$ insect eggs, scale insects Skl. Comp. ossif.

Sk. 311 Gerygone (w) ♂ $\frac{1}{2}$ + white

Shot 10 A.M. Wt. 7.45 grams W. 56 Tl. 44
Moult TL. R.1 Abr. W/T N.
Stm. $\frac{1}{2}$ insect eggs, scale insects, Skl. Comp. ossif.
2 minute insects.

Thursday, 2nd June 1938

Weather. Sun and cloud, light N airs. Clouds 10-30-60-80-90%.

Bush. Tall original forest and garden clearings about margins.

Birds. All day 6 A.M. - 5:30 P.M. searching for Columba, 1 seen at distance in flight. Tyto in caves and grottos and dense forest, none seen, and Rhipidura in forest and margins, none seen. Ideal territory for each but none seen or heard. Saw or heard 1 Nymphicus in one small patch of forest about 250 acres or less, and 3 others seen a little distance away. This is the greatest number I have seen in a day as they remained silent and speaks well for the status of the species as doubtless numbers were unobserved. The area is ideal for the species but is being encroached upon by coconut cultivations. (See final survey notes on Uvea Island

this species.) All species common elsewhere, except Lichmera which does not penetrate forest areas anywhere, were common in this forest. It is undoubtedly the best territory for birds I have seen on the island and being true original type gives a good picture of true Uvea bird life. I spent some time searching for Porphyrio, one which I heard, and one native said they were common about his garden, his wife denied this as did numerous other natives and when closely questioned, they admitted that they seldom saw more than 2 or 3 a year, tho occasionally mobs appeared to be about by the numerous tracks seen and damage done. All admitted the total damage done was very small and none would accept the offer of 10 francs a bird to snare or shoot as all said they might be a week getting one. Some youngsters are trying but the older hands hold little hope of their being successful.

Sk. 312 Zosterops ♂ $\frac{1}{2}$ - white

Forest and native gardens in the latter about paw paws especially.

Shot 6-8 A.M. Wt. 16.4 grams W. 65.5 TL. 51.5

Moult TL (x) Abr. W/T N.

Nape 0

Stm. $\frac{1}{1}$ seeds and berries Sk1. Comp. Ossif.

(2) Zost. ♀ $\frac{1}{2}$ - imm. Specimen very fat.

Shot 6-8 A.M. Wt. 15.25 grams W. 63 TL. 46

Moult All uppers 0 cheeks M Abr. W/T N.

Unders 0

Stm. $\frac{1}{1}$ vine berries Sk1. $\frac{1}{2}$ ossif.

(3) Zost.

Shot 6-8 A.M. Wt. 13.8 grams W. 57 TL. 41

Moult W. covs M Abr. W/C

All unders 0 T/F

Stm. Sk1.

(4) Zost. ♀ $\frac{1}{4}$

Shot 6-8 A.M. Wt. 15.45 grams W. 62 TL. 47

Moult W.R. (x) 3 Abr. W/N

TL. R2, L1 T/C

Stm. $\frac{1}{2}$ seeds Sk1. $\frac{1}{2}$ ossif.

(5) Zost. ♀ $\frac{1}{4}$ + Imm. Rotund, better moult condition required.

Shot 6-8 A.M. Wt. 14.95 grams W. 62 Tl. 48
Moult W.R. 5, covs 0 Sec M Abr. W/N
 L. 5 covs 0 sec M T/V.S.
Stm. $\frac{1}{2}$ berries All uppers 0 x crown M
 All unders M Sk1. $\frac{1}{5}$ ossif.

(6) Zost. ♀ $\frac{1}{2}$ -

Shot 6-8 A.M. Wt. 15 grams W. 63 Tl. 49
Moult Crown C Abr. W/T. N
Stm. $\frac{1}{4}$ paw paw Sk1. $\frac{3}{4}$ ossif.

Rotten day.

Friday, 3rd June 1938

Weather. Dull, cloudy, overcast, showery off and on all day.
 Light N airs, clouds 90-100%.

Bush. Tall original forest, short forest and scrub, coconut and garden lands.

Birds. All day spent searching for Porphyrio, Columba and Rhipidura and Tyto, none seen or heard. Heard 4 Nymphicus and examined 2 nesting sites very similar to previous description but 20 ft. and 25 ft. from ground at entrance. Note Collocalia spod. leuc. is again rare, few being seen. Saw 2 blue Demigretta and 1 shot when returning along coast.

Sk. 313 Demigretta ♀ $\frac{3}{4}$ O.S.E.

Shot 4 P.M. Wt. 628 grams W. 325 Tl. 102
Moult TL covs 0 Abr. W/S
 T/N
Stm. $\frac{1}{4}$ sardines Sk1. Comp. ossif. Thickish

Saturday, 4th June 1938

Weather. Sun, cloud and showers, gusty strong S wind. Clouds 60-80%.

Searching all day for Porphyrio, Columba and Rhipidura, none seen.

Sunday, 5th June 1938

Weather. Sun and clud, gusty S wind, clouds 40-60%.

Monday, 6th June 1938

Weather. Fine, clear, sunny, light SE airs, clouds 10-15% or less.

Bush. Coconut groves, gardens, low scrubs.

Birds. All day searching for Columba and Porphyrio, 1 very juvenile Columba shot N.T.V. 3 Chalcities heard. Good territory for Accipiter but none seen. Collocalia spod. leuc. again disappeared.

Sk. 313A Myzomela ♀ $\frac{1}{2}$ - O.V.S.E.

Shot 7 A.M. Wt. 7.6 grams

W. 55 Tl. 37

Moult TL. R4, L6

Abr. W/T N.

Stm. $\frac{1}{4}$ insects

Sk1. $\frac{3}{4}$ ossif.

Sk. 313B Zosterops ♀ $\frac{1}{2}$ - (imm.)

Shot 7 A.M. Wt. 16.95 grams

W. 64 Tl. 48

Moult L 1,2,
TL covs C

Abr. W/T N.

Stm. $\frac{1}{4}$ seeds

Sk1. $\frac{7}{8}$ ossif.

Zost. ♀ $\frac{1}{2}$ -

Shot 6 A.M. Wt. 15.95 grams

W. 62 Tl. 48

Moult W.R. 8, 9, (x) covs sec. 0
L 8, 9, 15-17)

Abr. W/T (x) S

Rump C back, nape 0 crown, cheeks M All unders M

Stm. $\frac{1}{4}$ lantana berry

Sk1. $\frac{1}{3}$ ossif.

Zost. ♂ $\frac{1}{4}$ + white

Shot 6-8 A.M. Wt. 16.1 grams

W. 64 Tl. 50

Moult W.R. 7, 17) covs M
L. 7, 17, 18) sec.

Abr. W/T N.

TL covs M

All upers C All unders M

Stm. $\frac{1}{2}$ berries

Sk1. $\frac{1}{5}$ ossif.

Zosterops It is worthy of note that in this species the amount of colouration on the sides and flanks of unders is no indication of ages. The above 9 specimens were done in order and only one was an adult. There is undoubtedly great individual variation right throughout the sub species. All were shot along one road or rather route in low scrubs and garden lands, coconut groves where scrub had grown up between palms. This is probably a fair indication of the ratio of 1 ad. to 9 juv., or or 2 broods a year and possibly more. This gives an indication of their increase capacity, but this species suffers from snakes, domestic cats gone wild and Accipiter and native children (and adults) to a large degree. All above specimens were fat and in good condition. Natives raid their roosting places in low trees and shrubs at night with coconut leaf torches dazzle them and catch them by hand. (Youths of 14 or 15 particularly good at this).

Tuesday, 7th June 1938

Weather. Fine, clear, sunny, fresh SE breeze, clouds 10-15%.

Bush. All types and coastal, except original forest.

Birds. All day after Porphyrio, Columba and Tyto (in grotto). None seen. Saw 3 Accipiter. Noted Sterna sumatrana was entirely absent from sandbanks where it was common before. Saw many Sterna bergii including juveniles (3 shot) discarded and 3 older specimens shot and retained, saw 1 Limosa. Many Hirundo.

Sk. 315 Hirundo ♂ $\frac{1}{4}$ + white

| | | | |
|--------------------------|-----------------------|----------------------------------|---------------|
| <u>Shot</u> 9 A.M. | <u>Wt.</u> 21.1 grams | <u>W.</u> 110 | <u>TL.</u> 50 |
| <u>Moult</u> W.R. 1, 15) | | <u>Abr.</u> W/S | |
| L 1, 15) sec. 0 | | T/N | |
| TL R5, L5, covs 0 | | | |
| Unders 0 few | | | |
| <u>Stm.</u> 1 beetles | | <u>Sk1.</u> $\frac{4}{5}$ ossif. | |
| 1 | | | |

Sk. 315A Hirundo ♀ $\frac{1}{2}$ -

| | | | |
|---|-----------------------|--------------------------|---------------|
| <u>Shot</u> 12:30 P.M. | <u>Wt.</u> 21.7 grams | <u>W.</u> 113 | <u>TL.</u> 51 |
| <u>Moult</u> nape 0 crown C | | <u>Abr.</u> W/S | |
| all unders 0 X neck, chin C | | T/N | |
| <u>Stm.</u> 1 spider, blow flies, small grasshopper | | | |
| 1 | | <u>Sk1.</u> Comp. ossif. | |

Sk. 315B Hirundo ♂ $\frac{1}{2}$ - white

Shot 12:30 P.M.

Wt. 21.2 grams W. 113 Tl. 48 (x)

Moult W.R. 1, 15

Abr. W/T N.

L. 1

TL (x)

Stm. $\frac{1}{1}$ flies, beetles, insects

Skl. C.O. just complete.

A tiny spot clear and
skull ending to thinner.

Sterna bergii

Shot 8-9 A.M.

Wt. 345 grams

♂ $\frac{1}{2}$ + white

Stm. $\frac{1}{4}$ fish residue.

2 others too juvenile for any value.

Wednesday, 8th June 1938

Weather. Fine, clear, sunny, light SE breeze, clouds 20%.

Bush. All types and garden and coconut lands.

Birds. All day after Columba, Porphyrio, Tyto and Rhipidura, none seen. 1 Accipiter seen flying high. 1 Chalcities seen and shot.

Zosterops ♀ $\frac{1}{2}$ -

Shot 6-8 A.M.

Wt. 15.6 grams

W. 65

Tl. 50

Moult W.R. (x) 15

Abr. W/T N.

L. 15

Upper back, nape M crown 0

flank, breast 0 neck, chin C

Stm. $\frac{1}{1}$ banyan figs

Skl. $\frac{3}{4}$ ossif.

Zosterops ♂ $\frac{1}{2}$ + white

Shot 6-8 A.M.

Wt. 16.7 grams

W. 65

Tl. 50

Moult breast, neck 0 chin C

Abr. W/T N.

Stm. $\frac{1}{1}$ seeds, berries

Skl. $\frac{3}{4}$ ossif.

Sk. 315C Chalcities ♂ $\frac{1}{2}$ white (LT $\frac{3}{4}$ - RT $\frac{1}{2}$)

Shot 7 A.M.

Wt. 19.4 grams

W. 100

Tl. 72

Moult rump, nape M

Abr. W/T N.

all unders 0 to C

Stm. $\frac{1}{2}$ caterpillars

Skl. ? part. ossif.

Thursday, 9th June 1938

Weather. Fine, clear, sunny, light northerly airs or dead calm.
Clouds 15-20%.

All day drifting about in attempt to reach Beaupre Island.

Birds. 2 blue Demigretta seen. Noted only Sterna bergii within the lagoon area of Uvea Island.

All night at sea.

Friday, 10th June 1938

Weather. Same as previous day by light more regular NE airs.

Birds. Within lagoon only Sterna bergii seen and few of those. Immediately on leaving lagoon, several Sula leucogastra were seen and 2 Sterna anaetheta.

Arrived at Beaupre Island 8:30 P.M.

Saturday, 11th June 1938

Weather. Fine, sunny, hot, light NE airs, clouds 30-40%.

At Beaupre Island.

Beaupre Island is about 400 or 500 yds. by 300 yds. approx. Reaches only about 20 ft. above sea level at its highest and is almost wholly coral rock with sand deposits. Vegetation is 70% coconut palms, few trees of any size and a great deal of low pandanus and scrub between the coconut palms.

Birds. Land birds I saw present were Zosterops lateralis fairly common and the same as Uvea Island. Evidently Lichmera the commonest bird and very numerous and apparently the same as Uvea Island. Halcyon is said to be present at times but never common and said by natives to be the same as Uvea Island. I saw and shot 1 Falco which are very common here at times. They feed much on the sea bird colonies to the N of Beaupre (on sand banks there) but do not nest on Beaupre. I saw 3 blue Demigretta and a number of waders (Pluvialis and Limosa).

No sea birds are supposed to nest on Beaupre but now it is uninhabited I would not be surprised if a few Noddies and Sterna nest there, though snakes are said to be common and this may hinder them, though I doubt it as they nest elsewhere where snakes are present. Certainly none were

nesting while I was there as we thoroughly combed the island from end to end for land and sea birds.

Left Beupre at 4 P.M. for small sand bank called MOTUTABU 4 or 5 miles N of Beupre. Is belonging to the same atoll chain. Passed a small sandbank (unnamed) 30 by 50 yds. on the way on which I saw Sula leucogastra nesting, about 10 pairs but weather was getting bad and wind rising and I could not spare the time to stop as glass was falling rapidly and jerkily and general weather conditions promised dirty weather in near future so pushed on to the larger colony on Motu Tabu. Natives say Sterna dougalli and Sterna anaetheta and Sterna fuscata occasionally breed there never more than a pair, also they say Sterna bergii rarely.

Motu Tabu Island 6 P.M. Night of 11th till 7 A.M. on the 12th.

Small sand bank 150 yds by 60-70 yds, (roughly triangular) about 10 ft. high covered in the higher part with a creeping type of grass (from very high tide mark) and here and there low flower plants nowhere more than 12-18" high, mostly sand, coral detriens and guano. Generally has some surf breaking on it even in the lie of the land as tides are very strong about it.

I left my gun and gear aboard as considered it too dangerous to land with weather as it was and self and boys swam ashore after anchoring boat outside surf.

I found a colony of Sula leucogastra, about 30 nesting, one nest with one chick just hatched, 8 nests with 2 eggs, 6 nests with one egg, 14 or so nests without egg, eggs from advanced incubation to very fresh. One nest I found a bird trying to incubate a large cowrie shell about the size of an egg. It was most persistent and would return to the nest in the dark (full moon in cloud wrack) even if I lay within 3 ft. of the nest without moving. We captured 6 or 8 of this species and attacked them. The total number of this species was about 150 on the island.

Sula dactylatra About 50 of these were present but not nesting, we captured 8 specimens and released 1 immature. Natives say it does not nest.

Sula piscatrix 2 juveniles captured and very juvenile, only 2 other juveniles seen. I place them as this species as their feet and legs were pale pink. Unfortunately both were lost overboard later in the rough sea. Natives seem not to know it and say it does not nest on Uvea or elsewhere.

Fregata ariel 4 of these spent all night on the wing above and about the island but did not land. It nests on the island but never more than half a dozen pairs. Was not nesting when I was there.

I also saw the following but none were nesting.

Anous stolidus About 1000 specimens roosted on the island but it does not nest there. Roosts on rocks, etc., a very margin of water being wet with spray often. In the dark the few we captured were all A. stolidus but another species may be present but this I doubt.

1 pair of Sterna dougalli were seen in daylight - continued flying about and calling all night occasionally settling but did not capture them. 2 pairs of Sterna fuscata flying and calling much but remained about and occasionally settled.

1 pair of Sterna nerlis These may have been nesting but I failed to find the nest. They would settle always about the one spot and appeared excited when I approached this area.

All the terns except the latter left at the very first streaks of dawn and Anous was not again seen but all the others returned.

1 pair of Aninaria enterpres were on the island. One a ♀ could not fly because of a wing injury and was captured and found to be in advanced breeding, its fellow flew away and did not return before we left.

Casual Notes The whole island is crawling with a species of tick which infests the birds and making collecting there most uncomfortable. I had as many as 14 at one time attached to my arm between wrist and elbow. A hot fire stick or match held near them makes them let go. I had rubbed myself all over with kerosene before landing as I knew how lousy colonies are, but probably its effects were lost in the surf getting ashore. Lice are also very

plentiful. The waters surrounding this island are teeming with sharks and 3 Boobies (sula dactylatra) which flew into the sea when disturbed had their legs bitten off or mauled before taking wing and one was taken completely under by a large shark.

It is notable that Sula dactylatra roost on rocks at the water's edge and on the sand, etc. Whereas Sula leuogastra only perch on rocks inland or on grass patches there.

Noted in the first grey dawn, still dark, a Falco arrived from Uvea direction, flew once or twice over island and flew on towards small sandbank towards Beupre Island. It must have started before daylight to arrive when it did. Possibly our presence upset it and it went hunting elsewhere.

Sunday, 12th June 1938

Weather. Blinding rain squalls, strong ESE, mounting sea.

Beating up for shelter on the outer islands of Uvea atoll, all day till 5 P.M. when made a lie under the outermost island. Went ashore and saw Pachycephala, Zost. later., Lichmera, Lalage, Myagra, all apparently the same as Uvea Island

Monday, 13th June 1938

Weather. Rain and wind but strong E but managed in lie of reef to reach it near Island in the north at about 2 P.M. Noted present were Myagra, Zost. lateralis, Halcyon, Lichmera, Gerygone, Chalcities, Lalage, Hirundo and many Sterni bergii and 8 blue Demigretta seen.

Tuesday, 14th to Thursday, 16th

Weather. Terrific wind storms and rain, coconuts and trees damaged, sheltering on small island from weather. Made one attempt to get away and swamped losing a number of specimens, Anous, Sula, etc. and all specimens badly damaged. Got ashore through surf with boat after crossing reef and getting lie of land.

Friday, 17th June 1938

Weather. Sun and showers, moderate SE wind.

All day beating up to Fayuwai.

Casual Notes I swam and waded during the bad weather to 2 other small islands in the north and noted the above mentioned birds and also 1 Columba and 1 Chalcophaps but don't think pigeons are common on these islands, not the outer ones anyway.

I noticed that at the narrow passage where we sheltered, Zosterops crossed the 200 yds of water early morning and late at night, never singly, rarely 2 at time, sometimes 3 and generally 6 or so. Always flew and climbed rapidly to a height then slowly dropped till across, often returned if they did not gain height enough. Much calling and generally a few false starts. Noted 28 blue Demigretta.

Sterna bergii adult and young very common.

From what natives say Sterna bergii nests on these islands and one nesting found by me.

Anous also nests, I found none nesting.

Sterna sumatrana also I found none nesting nor saw any. Sygis may nest as they speak of a small all white sea bird nesting. I saw none.

I don't think Sula nests anywhere on these islands. I don't think Nymphicus is found, as trees are not large enough tho it may be present on one or two of the largest but I doubt it.

When beating up for Fayuwai on Friday when two miles from the nearest island across wind and 3 miles from one to leeward and 15 from the mainland, a Lichmera came and flew around the boat coming from across wind and returned across wind after circling the boat once. It did not appear distressed and till out of sight was flying strongly about 15 ft. above the water towards land 2 miles away.

(Arrived Fayuwai 10:30 P.M.).

Saturday, 18th June 1938

Weather. Fine, clear, sunny, light northerly airs, clouds 20-30%.

Repairing damage after trip, all day on guns, specimens, etc. and avoiding arrest by gendarme for causing a stir about safety of party, etc. (vive la France) Knutz.

Sunday, 19th June 1938

Weather. Sun and cloud, light SW wind, clouds 20%.

Repairing damage to specimens, etc.

Monday, 20th June 1938

Weather. Fine, clear, sunny, light S wind. Clouds 10-20-40-60-10%.

Packing for Lifu.

Birds. In afternoon went through low forest and saw 2 Columba, 1 shot, but too juvenile skull, not ossified. ♂ greyish wash thin. Juveniles may be Surasins reason for separating this as smaller.

Tuesday, 21st June 1938

Weather. Fine, clear, sunny, strong SW breeze, clouds 40-50%.

Packing for Lifu and searching for Columba, none seen.
5 Nymphicus heard, 1 Accipiter seen.

Wednesday, 22nd June 1938

Weather. Cloudy, overcast, showers, cold southerly wind, clouds 60-80%.

Searching for Tyto, Rhipidura and Columba, none seen.
1 Accipiter seen and 3 Nymphicus heard.

Thursday, 23rd June 1938

Weather. Showers and sun, strong ESE wind, clouds 60-80%.

Loading cargo onto ship for Lifu and awaiting passengers, etc.

Friday, 24th June 1938

Weather. Cloudy, overcast, strong SE, rough sea, showery. Clouds 80-100%.

All day beating up to Lifu and night (29 hours to 11 AM of the 25th)

Skins despatched. All but 1 Falco and 6 Sula (Beaupre Is.).

BEAUPRE ISLAND (off Uvea) 1938

Beaupre Island lying a little NW of Uvea is a similar atoll at a very much less advanced or lifted state. It is a complete atoll chain of coral, with one rock island of any size carrying vegetation and numbers of bare rock table tops, mushroom rocks, etc. above the general level of the reef top and above H.W. tides by a few feet, and numbers of sand banks deposited on the reef top, some with scarcity of marine sand grasses and herbs on them. Only one being of any appreciable size on which small colonies of sea birds have been long established.

The whole atoll lagoon is about 8 miles by 8 miles (geog.) and roughly circular, rather closely resembling the Uvea lagoon in shape with Beaupre Island (Beautemps, Beaupre Island's full French name, or Heo Island is the native name.) in the extreme south of it. Admiralty charts are incorrect both as to the shape of the island and the surrounding reefs and passes into the lagoon. Apart from Beaupre Island itself, there is nothing of importance except the small colony of sea birds on the islet 7 or 8 miles, a little E of north of Beaupre and on the NE corner of the lagoon, this islet is called Tonga-tabu by the natives. The name coming from the days when natives (very few, about 12 adults at most) lived permanently on the island and their chief tabued visiting the island except with his permission. Beaupre natives occasionally visited the island to capture sea birds which were smoked and sold or exchanged to Uvea natives by canoe, being considered a rare delicacy by the meat hungry Uveans; apart from being Beaupre's main source of meat supplies also. At the present date, no natives live permanently on Beaupre. Once a year north Uveans boat out to Beaupre and make up the copra from the coconuts which have been planted, the whole island having been planted up with nuts, and small cutters then call and pick up the copra and the natives

and return to Uvea. There is a single spring of fresh water on the island, probably coming between impervious rock layers under the sea from N.C. or elsewhere, but this water supply was too small and uncertain and during the residence of natives a large lime cistern was built. The island is healthy but very small and infertile. Its infertility and liability to drought caused its abandonment by the natives which went to Uvea to live. It was originally settled by southern Uveans but captured by the northern race and for years was a bone of contention and a source of meat (cannibal) for north and south in turn in periodical raids from the mainland. Being even after peace a bone of contention the administration gave all the southern Pleiades (W chain of islets of Uvea) to the southern people on Mouli Island and all the northern Pleiades and Beaupre to the northern Uveans who at that time held Uvea. Though coconuts are plentiful on most of the Pleiades they are seldom worked and Beaupre is the only one which is regularly visited and worked, probably only because if left the southern people might claim it again if it were neglected.

The bulk of the vegetation on Beaupre is coconuts with a low scrub in between pandanus, rock rooted shrubs, lawyer vines, etc. all growing out of almost pure coral rock or a thin layer of sea sand deposited in hollows and pockets, etc. The only trees of any size are a few about the sea margins being such species as customarily spread by having their seeds water born by the sea, currents, etc. A few of these are found in the interior of the islands but form a very small percentage of the vegetation, the bulk of which is composed of low hardy shrubs, brack arnes, pandanus, ti tree, etc. types of vegetation able to grow under infertile conditions in coral rock and sand of a high salinity. The following notes taken on the spot will give a fair picture of the avifauna of the area at the time of my visit.

9th June 1938. On way to Beaupre Island under sail, fine, clear sunny, little wind, slight swell, visibility very good. Noted Sterna bergii plentiful within the lagoon and the only sea bird seen.

10th June 1938. Still enroute, wind light, weather same as previous day. Note only Sterna bergii within lagoon and few of those. Immediately on leaving the lagoon and being in real ocean several Sula leucogastra were seen, hawking and fishing, and just on dusk a pair of Sterna anatheta flew about the boat and then off towards sandy islet N of Beaupre Island. Arrived at Beaupre Island 8:30 P.M., wind freshening.

11th June 1938. Beaupre Island is about 500 yards by 300 yards approximately, and is somewhat boomerang shaped with a thickening at the centre giving a more triangular shape to the island. Reaches only about 20 ft. above sea level at its highest point and is wholly coral rock with sand deposits in hollows and holes and about the margins except where sheer coral rock (five feet or so high) rises abruptly out of the sea. Anchorage precarious, shelter nil except for very small craft. Vegetation is 75% coconut palms, few trees of any size, and a great deal of low dense tangled pandanus and other scrubs, (shrubs and vines) between the coconuts. Island at present uninhabited, was once inhabited by about 20 to 30 natives. One of the previous inhabitants was with me as an employee and guide.

Birds seen by me and the whole island was covered pretty extensively, were Zosterops lateralis nigrescens, plentiful and common and apparently the same as on Uvea mainland. Lichmera incana incana the commonest bird on the island and very numerous, apparently the same as on Uvea mainland. Halcyon is said to be present at times but never common, I saw none. Natives say it is the same as Uvea. It probably only visits and because of lack

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of nesting sites returns to Uvea or the islands of the western chain. Falco peregrinus ernesti is very common (shot by me) visiting the island to rest between attacks on the sea birds in the colonies to the north. Never breeds on Beaupre though at non-breeding seasons it may stay there for long period. Demigretta are common about the coast and reefs and migrant waders such as Pluvialis, Limora, etc. both mentioned being seen on this date (?? Siberia season).

Natives say no sea birds nest on Beaupre Island but now it is uninhabited I would not be surprised if a few Noddies and Sterna nested there. Snakes are said to be common and plentiful on the island and they might hinder them from nesting, but that I doubt, as they do nest elsewhere where snakes are present. Certainly none were nesting when I was there, as we combed the island very thoroughly from end to end.

Left Beaupre at 4 P.M. for small islet sand bank called MOTU-TABU 7 miles (by chart 7 1/2, actually probably only 5 or less) N of Beaupre Island but belonging to the same reef chain being in the NE corner of the lagoon forming reef. At about 2 1/2 miles we passed a small sand bank on the reef top (W of direct line Beauprie - Motu tabu) about 30 by 50 yds in extent and nowhere more than 4 ft. above H.W. mark. The bank is permanent but unnamed. On it I saw about 10 pairs of Sula leucogastra nesting. Natives say occasionally 1 pair, but never more, of Sterna dougalli, S. fuscata and S. anaetheta nest there and at rare intervals one or more Sterna bergii may nest for a season and be absent for several seasons.

Owing to unfavorable weather approaching and falling glass, I did not land but pushed on to the larger colony on Motu tabu islands, arriving there just after dark (6 P.M.) and effected a landing there.

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SEA BIRD COLONY OF MOTU TABU SAND BANK

Motu Tabu sand bank. Is a small islet or sand bank 150 yds. long by 60-70 yds. wide, (roughly triangular above 10 or 12 ft. above high water at the highest point but mostly below 8 ft. above H.W. The higher part is covered by a low flat nappy kind of marine creeper (which reaches more patchily to spring high tide mark) and low herbs or plants of wind borne seed species (like thistles) nowhere more than 1 ft. or 18" high and generally rather scattered. A small type of sunflower like plant occupies holes and depressions on the higher parts but is nowhere dense. The whole island is composed of debris deposited on the reef top and composed mostly of sand, large blocks of coral and lime formed sandstone, etc. mixed with a small quantity of guano.

The bank generally has a surf breaking on it even on the lee side as tides are very strong about it and hack up a nasty tide rip. I considered it too risky to go close in so left guns and gear on board the boat which was anchored outside the surf and self and boys swam ashore through the surf and remained all night and up till 7 A.M. the following morning. We had then to clear out because of bad weather rapidly approaching and make for Uvea for shelter as quickly as possible.

The following notes and observation were made on the birds found on the sand bank or islet of Motu tabu and from information from a native who knew the island well for many years, being an inhabitant of Beupre Island previously. I found a colony of

Sula Leucogastra about 30 birds nesting and a total colony of about 150 birds. One nest had one chick just hatched, 8 nests had 2 eggs, 6 nests had 1 egg and 14 or so nests had no eggs. Eggs examined showed all stages from far advanced incubation to very fresh.

In one nest I found a bird trying to incubate a large cowrie shell about the size of a normal egg. It was most persistent and would return to the nest during the night many times (full moon with cloud wrack sky) and even if I lay within 3 ft. of the nest without moving.

We captured some six or eight of this species by stalking them and rushing in and making captures by hand, then tied them up with fish line. (legs and wings).

This species perches on rocks and level grass patches on the higher parts of the island.

The colony within native memory has never been larger and often smaller. Breeding seems to be going on during most of the year.

Sula dactylatra About 50 of this species were present roosting on the rocks near the water's edge but none were nesting. Natives say it never nests on the islet. 8 specimens were captured and 1 immature released.

Sula piscatrix 2 very young juveniles of this species were captured and only 2 others were seen and both were juvenile. At least I place them as this species as their feet and legs were pale pink and plumage was dusky brown or pale chocolatey. (Unfortunately both captures were lost overboard when the boat swamped later). Natives seemed not to know it and say it does not nest on Uvea or elsewhere on the island chains of the west. They speak of a booby nesting on these western islands and it may be the adult (white and brown) which they fail to connect with these different plumaged young. They speak of a nesting booby being a tree nester but are very vague and observer doubts if any Sula nests on any of the Pleiades at all.

Fregata ariel 4 of this species spent all night on the wing, above and about the island, but did not land at all. Natives say it nests regularly on the island but never more than half a dozen pairs. It was not nesting while I was there.

I also saw the following species but none were nesting.

Anous stolidus About one thousand roosted on the island but it does not nest there. It roosts on the rocks at the very margin of the water, often being splashed with spray or disturbed by waves. Another species A. minutus may be present but that is doubtful. As far as I could see in the dark and very bad light of early morning, all were the one species and the few specimens we captured were all stolidus. (These (2) were lost overboard later).

This species leaves very early, the first leaving 20 to 25 minutes before the first faint signs of dawn are visible and all are gone by the time the first streaks of dawn appear in the east.

Sterna dougalli A pair believed to be this species were seen in daylight. During the night they continued flying about and calling much and only occasionally settling. In the absence of guns none were captured.

Sterna fuscata 2 pairs. Flying and calling much about the island and occasionally settling. None were captured.

Sterna nereis 1 pair of these were seen. They may have been nesting but I failed to find the nests. They generally settled about the one spot and always became excited when I approached or remained in the area.

Notes: All the terns except S. nereis left the island with the first streaks of dawn and Anous was not seen again, but all the others returned and flew long away but intensive search over the whole island showed no nest or young.

Anenaria enterpres A pair of these were found on the island after dawn. One being unable to fly because of a wing injury, this was later found to be a ♀ in advanced breeding condition. Its mate flew away when we captured the injured bird and did not return before we left at 7 A.M. This species, possibly breeds under such conditions in the area because of inability to return to its usual breeding territory. The wing might have been injured by an attack by Falco. This specimen certainly could never have left the island. It was in good condition and fat.

Casual Notes: It is noticeable that Sula dactylatra roost only on rocks at the water's edge or on bare sand there, often being wet by spray, but generally only about 3 ft. or less above the actual water line. Whereas Sula leucogastra never perch there but always on rock well inland and up or on patches of grass there, never on absolutely bare sand. Sula pise roost with or near S. dactly. The two main species keep definitely to these lines and do not mix at all, a no man's land of 10 yds. of bare sand always being between the 2 species. Anous roost even closer to the water than Sula dactly. Sternas settle mostly on the bare sand of the "no man's land" though occasionally on high rocks further inland.

With the first grey streaks of dawn barely showing in the east and still dark over the island (moonlight, full moon) a Falco was seen to arrive over the sand bank from the direction of Uvea. It flew once or twice over the island and close about and then flew on towards the sand bank between Motu tabu and Beaupre and probably on to Beaupre. It must have left Uvea very early and definitely before dawn to have arrived when it did. Doubtless our presence disturbed its hunting and it passed on to the smaller colony to the south.

The waters surrounding this small sea bird colony on Moto tabu are simply swarming with sharks and 3 Sula dactylatra which flopped into the water off the rocks when disturbed by our rush at different times had legs bitten clean off or badly mauled and other one was taken completely under in one rush and gulp by a very large shark. To begin with in our first rushes I pursued birds well into the water, the natives did not, neither did I after the first exhibition by the sharks. I beat Johnnie Weismuller next morning getting aboard through the surf, believe me.

The whole island is, as usual, infested with lice and parasites and also a large tick which infests all the birds to an enormous extent. Scores of them clinging about the bill base, chin and head and throats and the legs of all Sula. The whole island is crawling with them and they make collection most unpleasant and uncomfortable. I had as many as 14 at one time attached to my arm between the wrist and the elbow. A hot fire stick or match held near them makes them let go but infections from bites are common and make nasty sores, besides causing considerable pain and itching and swelling at the time. Knowing sea bird colonies I had rubbed myself all over with kerosene before coming ashore but much of it doubtless came off during my swim (25 yds.) through the surf. Kerosene put on the actual ticks did not seem to make them let go though they died later still attached. Some ticks (dry) so treated were left on the specimens about the bills and forwarded for identification. It is very inadvisable to pull off ticks, a nasty sore invariably resulting from poison of broken jaws left in. Strangely these ticks make for the neck and ears and hair on the neck of humans in preference to other places. On the island they get everywhere on one but after leaving for several days an odd one will be found about the neck and ears, generally being very small specimens and thus overlooked in previous searches.

GENERAL SEA BIRD SUMMARY OF LOYALTIES

The Loyalties are not a really good sea bird area as regards nesting species. Doubtless numbers of birds visit the area from breeding grounds elsewhere, (in New Caledonia and on islands N and W of there) but observer does not believe any other species outside those mentioned above breed and possibly not all of them do. Probably only few other species even visit the area. No petrels or tunneling species would ever nest there as the soil is quite unsuitable being nearly solid coral rock everywhere or only a thin soil layer over such rock. Petrels fish the surrounding seas between Loyalties and N.C. but breed in New Caledonia only and not in the Loyalties and I doubt they even roost or approach close to the islands of that group. Sternas form the bulk of Loyalty sea bird life and 2 species S. bergii and S. sumatrana form 95% of those. Anous nest on Lifu and possibly elsewhere and the few other nesters are all on Moto tabu and form the greater part of the total birds nesting in the area. The Loyalties themselves are a poor sea bird area but groups further west and north and south and their reefs and islands are very prolific I believe. The Loyalties seem to be in a pocket of little interest. Local French accounts of sea bird life were very far from correct in most cases as regards the Loyalties and I wonder if other groups and places elsewhere in the area are exaggerated but they are at least said to be much better than the Loyalties for sea birds. Actual Loyalty residents were correct in what they said, but local Noumean opinion was different and quite wrong.

LIFU LOG I

BIRDS NO. 3

NB - Log from 23 (June-1st July written up later after settling in camp, etc. taken from casual notes made at time.)

LIFU ISLAND - crossing from UVEA ISLAND

Friday, 24th June 1938

Weather. Cloudy, overcast, showers, strong SE wind. Rough sea, clouds 80-100 percent (cold) Left Uvea dawn. Saw only Sterna (Thalasseus) bergii within reef area and two blue Demigretta. Away from land only 2 birds were seen all day. 1 brown booby and 1 blue-faced booby ?

Saturday, 25th June 1938

Weather. Cloudy, overcast, sun and showers, fining up slowly. Wind strong to fresh, SE clouds 80-100 percent. Got up to Chepenehe anchorage 11 A.M. On way in saw number of Sterna bergii close to land and one blue Demigretta.

Landing gear and trying to get quarters, etc. finally moved into an old house at 6 P.M. Rather unsatisfactory but only one available except 2 old houses belonging to Government which they wont let up on to a spy. (Might find a plan of the "Mingot Line" secreted somewhere in it perhaps).

At 10 P.M. "cloud burst downpour" of rain.

All night shifting gear to avoid drips, covering with ground sheets, stacking on boxes, etc. all skins and equipment to avoid water damage.

Sunday, 26th June 1938

Weather. Calm steady downpour till 10 A.M. then slowly fining up. Clouds 100-80-60 (6 P.M.) Steady rain till 8 A.M. Then sudden sharp heavy hailstorm lasting 10 minutes, large hailstones about the size of large pea. Local missionary tells me it is the heaviest downpour of rain

he has seen in 31 years on Lifu. Once before he saw a light hail. The hail only fell over a narrow strip half a mile wide, but unfortunately over my camp where it punched holes in the rotten roof. None fell on mission or government residence so that will doubtless convince them of my being a spy or some such. (Wonder what about the Catholic mission, it was heavier there than here. "I think God he cross long me 2 feller??") Writing mail, etc. at night.

Monday, June 27th 1938

Weather. Sun, clouds, fine, light NE airs, clouds 40-30 percent. Unpacking, drying gear, repairing quarters, visiting officials, etc. SS Loyalty arrived and left. Letter from Zimmer.

Tuesday, 28th June 1938

Weather. Sun and cloud, light NE airs, clouds 30-40-60 percent. Repairing quarters, roof, etc. Noted close about the camp the following birds:

Myiagra - common

Lichmera - very common

Zosterops - 2 species. NB Mare Is. Zosterops is new Lifu is smaller and brighter, a bright yellow chin like Tanna.

Aplonis - common

Erythrura - common

Coracina - a few

Lalage - common

Chalcophaps - fairly common

Accipiter - 1 seen since arrival

Gerygone - a few seen and heard

Pachycephala - a few heard

Halcyon - common

Artamus - fairly common

Collocalia esculenta - fairly common

Collocalia spodiopygia leuc. - a few (NB Local missionary tells me early in June great nestings of Collocalia? took place in and about large trees in the mission since

Hirundo - one seen /when he thinks there are fewer about)

Circus - one seen

Wednesday 29th June 1938

Weather. Fine, sun and cloud, light N airs, clouds 30-40 percent. Repairing camp. Repacking skins for dispatch and examining for water damage.

Thursday, 30th June 1938

Weather. Fine, sun and cloud, light SE airs. Clouds 30-40 percent. Shipping skins, mail, etc. Repairing quarters. Heard one Tyto calling about 11 P.M. (New moon two days old).

Friday, 1st July 1938

Weather. Dull, cloudy, light SSE breeze, Clouds 20-90 percent (cold) Sorting Uvea spirit material, repairing camp and unpacking gear. Birds active early in day, but when cold snap 1 P.M. became quieter. Shower late in day. Active after shower (3 P.M.)

Saw one Circus (immature). Saw only Collocalia esculenta uropyginalis. Found one Lichmera nest in dark leaved tree in open clearing in village area. 10 feet above ground, well hidden, 2 young about 4 or 5 days old (stub feathers) Will call this Observation Nest No. 1. Saw two Rhipidura verreauxi. All close about camp. Note bird life more abundant than Uvea and 4 times more so than Mare Island.

Saturday, 2nd July 1938

Weather. Cloudy, overcast, light N airs, clouds 80-100%.

Seeing resident about employing boys, gendarme, mayor and all the other czars and straightening out affairs.

While waiting for resident to rise from his virtuous (?) couch and open office 8 A.M., went shooting close about camp. Saw 2 Accipiter, 1 Hypotaenidia, many Rhipidura (very common natives say, only one species present) a few Coracina, many Aplonis, many Pachyphala calling, appears same as Uvea in field, a few Erythrura, number of Halcyon, a few Collocalia leucop. spod. and many Coll. esculenta uropyg. A few Gerygone, 1 Myzomela,

100
4.

many Lichmera. Heard a few Cacomantis and Chalcities calling, saw many Lalage.

Will skin a few shot if time after seeing resident, gendarme, etc., the czar of Russia, shah of Persia, and any other notables present.

Sunday, 3rd July 1938

Weather. Rain previous night. Fine, clear, sunny, light NW airs, clouds 20-30%.

Noted usual run of birds, 1 Accipiter, 2 Philemon, 1 Columba.

Monday, 4th July 1938

Weather. Fine, sunny, cloud, light to fresh SE, clouds 60-70%.

Bush. Garden lands and low scrubs, coconuts, etc.

Birds. Usual run seen, Erythrura fairly numerous in gardens, 3 Zosterops fairly common but shy, Coracina 2 seen, 1 Philemon heard, numbers of Pachycephala heard. Few Gerygone, 1 Chalcities seen. Hypotaenidia seen and heard. Ptylinopus greyi 1 seen, Lichmera very common, a few Halycon seen, Aplonis common, 2 Rhipidura seen, Lalage a few seen. Examined Lichmera nest during past 24 hours, 1 juvenile has disappeared. Remaining one is large stubs bursting (? cuckoo).

Sk. 316 Zosterops flav. minuta ♂ $\frac{1}{2}$ - repose - white

Iris brownish pale greyish (has line in centre greyish).

WAHCHU-MANDAH

Bill pale dark horn, blackish tip (upper M)

pale white horn dark (lower mand.)

streaks

Legs and feet pale greyish slate with yellowish tinge, or dark (greyish) flesh with yellow tinge.

Shot 8 A.M. Wt. 7.9 grams W. 54 Tl. 41

Moult vent belly o Abr. W/T N.

Stm $\frac{1}{8}$ insects

Skl. Comp. ossif.

Sk. 317 Anous ♀ $\frac{1}{4}$ (imm.)

Caught perching for nigh on rock cliffs of island. A few nest on the island, principally in the E and south and NE of island where population is scarce.

Iris dark brown Bill black Legs and feet blackish tan
Caught 2 A.M. Wt. 72 grams W. 219 Tl. 108
Stm. $\frac{0}{0}$ empty Skl. $\frac{3}{4}$ ossified

Sk. 318 Zosterops inornata ♂ $\frac{1}{2}$ - white imm.

SEA-MAI-KOO-TAH
 CINA-KOO-TAH

Iris reddish brown Bill upper black, lower white horn, darker tip. Legs and feet in life warm pink flesh, in death, yellowish orange flesh.

Shot 8 A.M. Wt. 25.75 grams W. 72 Tl. 50
Moult neck, chin $\frac{0}{0}$ Abr. W/T N.
 TL covs $\frac{0}{0}$
 W: R16, L16
Stm. $\frac{1}{2}$ pineapple Skl. $\frac{2}{3}$ ossif.

Sk. 319 Gerygone ♀ $\frac{1}{2}$ - repose FET-TI-GOO

FETI-GOO same as good

Iris reddish brown Bill black Legs and feet black
Shot 7 A.M. Wt. 5.8 grams W. 54 Tl. 41
Moult unders $\frac{0}{0}$ Abr. W/T N.
Stm. $\frac{3}{4}$ minute insects Skl. Comp. ossif.

Sk. 320 Coracina ♀ $\frac{1}{2}$ - OVSE imm. HAR-LOW

Iris yellow Bill dark horn (nearly black) Legs and feet black

Shot 8 A.M. Wt. 134.5 grams W. 177 Tl. 148
Moult TL covs M Abr. W/N
 rump M back C T/S
 crown $\frac{0}{0}$ few
 all unders $\frac{0}{0}$ few
Stm. $\frac{1}{1}$ yellow fruit and beetles (beetles few in fruit)
Skl. $\frac{1}{5}$ ossif.

Pachycephala ♂ $\frac{1}{2}$ white - adult plumage

Iris reddish brown Bill black Legs and feet flunbous (?)
Shot 8:30 A.M. Wt. 42.8 grams W. 105 TL. 76
Moult Nil Abr. W/T N.
Stm. $\frac{1}{1}$ molluscs insect Skl. Comp. ossif.

Sk. 321 Aplonis ♂ $\frac{1}{2}$ - (RT $\frac{1}{2}$ - white LT $\frac{1}{2}$ + stone grey)
 ZE=AH-KA-TAKE

Iris crimson orange Bill black Legs and feet black
Shot 12 A.M. Wt. 78.2 grams W. 116 TL. 66
Moult Nil Abr. W/N
Stm. $\frac{1}{2}$ snails T/VS
Skl. Comp. ossif.

Sk. 322 Zost. flav. minuta ♂ $\frac{1}{2}$ - white (repose)

Iris pale muddy gold Bill darkish horn and streaky
 lower M dark horn, darker tip Legs and feet pale dusky
 slate or flesh
Shot 6-8 A.M. Wt. 9.1 grams W. 57 TL. 41
Moult Nil Abr. W/T N.
Stm. $\frac{1}{4}$ insects, fruit Skl. Comp. ossif.

Sk. 323 Zost. lat. mel. ♂ $\frac{1}{2}$ - white (repose)

Iris brown Bill U.M. black or dusky horn
 lower m pale horn, dark streaks Legs and feet greyish
 flesh
Shot 8 A.M. Wt. 14.6 grams W. 65 TL. 52
Moult nape o Abr. W/N
 cheeks, crown o
Stm. $\frac{1}{4}$ vine berries Skl. Comp. ossif.

Halcyon ♂ $\frac{1}{2}$ - white (repose)

Iris brown bill black and white horn legs and feet
 nigger brown Damaged skinning
Moult TL. L. 1, 2 Abr. W/T N.
 nape m all unders o
Stm. $\frac{1}{2}$ insects Skl. $\frac{9}{10}$ ossif.

Tuesday, 5th July 1938

Weather. Dull, cloudy, overcast, little sun, strong N and NW wind, thunder, clouds 60-80-90%.

Bush. Low scrubs, gardens and forests.

Birds. Usual run seen, 1 Circus, numerous Z. inornata about gardens. Chalcities common. Zosterops rarely in flocks of 3 species, Z. lat. and Z. flav. often in same mob. Usually Z. inornata singly or in pairs or up to 4 (easily confused with Lichmera) Z. lat. flocks up to half a dozen. Z. flav. flocks up to 20 generally about a dozen. This species seems more insectivorous than the other 2. Searched forest for Turdus, none seen or heard. Note domestic cats gone wild are fairly numerous about Chepenehe and natives say these have made Turdus scarce. Said to be common elsewhere. So far Cacomantis does not seem as common as other islands. Pachycephala very common but have not seen a single ♀ believe they are at present nesting. Note Collocalia leuc. spod. is commoner inland than on the coast. Erythrura common about gardens only rare in forests. Myzomela absent in gardens and coconuts but present in forests. Lichmera the opposite. There may be a forest rail present but it may be P. cininera tannensis from native descriptions.

Sk. 324 Myagra ♂ 1 - white (repose) (♂ ad. plumage)

2

GIGI WHANDI

GI-GI-WHA-DI

Iris brown Bill blue horn, dark edges Legs and feet dark blue black

Shot 8:30 A.M. Wt. 12.45 grams W. 72 Tl. 63

Moult Nil

Abr. W/T N.

Stm. 1 insects

Sk1. Comp. ossif.

1

Sk. 324A Myagra ♀ 3 OSE (clear oocytes) rising ♀ plumage.

4

Same as ♂ for native name.

Soft parts as for ♂ ad.

Shot 8:30 A.M. Wt. 12.1 grams W. 72 Tl. 63

Moult Nil W.L (x)

Abr. W/T N.

Stm. 3 insects

Sk1. Comp. ossif.

4

Possibly mate with above (Sk. 324)

Sk. 325 Coracina ♀ $\frac{1}{2} +$

Iris lemon yellow bill black legs and feet black
Shot 6:30 A.M. Wt. 134.1 grams W. 189 Tl. 154
Moult TL. R5 Abr. W/N
 uppers o unders o T/S
Stm. $\frac{1}{1}$ large gecko lizard, small black beetles
Skl. Comp. ossif.

Sk. 325A Aplonis ♂ $\frac{1}{2} -$ (LT black $\frac{1}{2} +$ RT white $\frac{1}{2} -$)

Soft parts usual.
Shot 7 A.M. Wt. 71.2 grams W. 115 Tl. 64
Moult Nil Abr. W/T Nil
Stm. $\frac{1}{1}$ large vine berries Skl. Comp. ossif.

Sk. 325B Lalage ♀ $\frac{1}{2}$ WAHNUNU native name

Iris brown Bill black Legs and feet black
Shot 6:30 A.M. Wt. 20.9 grams W. 85 Tl. 74
Moult rump, back nape c Abr. W/N
 crown o all unders o T/F
Stm. $\frac{1}{4}$ caterpillars (small) Skl. Comp. ossif.

Sk. 325C Lichmera ♂ $\frac{1}{1}$ white

Iris muddy pale gold Bill black Legs and feet dark blue slate (art. light?).
Shot 6:30 A.M. Wt. 16.8 grams W. 73 Tl. 62
Moult nape, crown o Abr. W/T N.
 all uppers c
 unders o
Stm. $\frac{1}{4}$ insects Skl. Comp. ossif.

Sk. 325D Zost. flav. m. ♀ $\frac{1}{1} -$ imm.

Iris hazel Bill brownish dark horn and white horn
Legs and feet dark blue slate (art. light)
Shot 6:30 A.M. (dawn) Wt. 7.95 grams W. 52 Tl. 40
Moult Nil Abr. W/T N.
Stm. $\frac{0}{0}$ empty Skl. $\frac{1}{2}$ ossif.

Wednesday, 6th July 1938

Weather. Fine, sunny, light SE airs, clouds 40-20-30%

Bush. Garden lands, low scrub, forest.

Birds. Usual run seen. A few Erythrura heard in forests. Note Chalcophaps is much commoner on Lifu than on Uvea and very much more common on Uvea than Mare Island. Saw 12 Frigata over camp, too high for clear identification. Noted Artamis congregating at sundown to feed on hatch of flying ants.

Sk. 326 Rhipidura ♀ $\frac{1}{2}$ - repose ENI-AH-NAH - native name

Iris brown Bill black and white horn Legs and feet nigger brown (dark)

Shot 6:30 A.M. (dawn) Wt. 9.4 grams W. 70 TL. 82

Moult Nil

Abr. W/T N.

Stm. $\frac{1}{4}$ insects

Skl. Comp. ossif.

Sk. 326A Myagra ♀ $\frac{1}{2}$ - probably hasn't bred yet.

Iris brown Bill greyish brown dark horn, darker tip and sides Legs and feet bluish black

Shot 6:30 A.M. Wt. 12.1 grams W. 69 TL. 64

Moult W.R. (x)
Nil

Abr. W/S T/F

Stm. $\frac{1}{4}$ insects

Skl. Comp. ossif.

Sk. 326B Rhipidura ♂ $\frac{1}{1}$ white

Shot 7:30 A.M. Wt. 12.2 grams W. 75 TL. 85

Moult Nil

Abr. W/T N.

Stm. $\frac{3}{4}$ insects

Skl. Comp. ossif. ? (x)

Sk. 326C Aplonis ♂ $\frac{1}{2}$ - repose (LT white RT black)

Soft parts usual

Shot 8:00 A.M. Wt. 72.9 grams W. 113 TL. 67

Moult Nil

Abr. W/T N.

Stm. $\frac{1}{2}$ snail

Skl. Comp. ossif.

Sk. 362E Myagra ♂ $\frac{1}{2}$ - white - repose. ♂ plumage ad.

Shot 9 A.M. Wt. 13.5 W. 75 TL. 68

Moult TL. (x) covs o Abr. W/T N.
rump o

Stm. $\frac{1}{1}$ beetles, insects Skl. Comp. ossif.

Sk. 362F Coracina ♂ $\frac{1}{2}$ - repose (black)

Soft parts usual.

Shot 12 Noon Wt. 145.6 grams W. 190 TL. 155

Moult back, nape crown o Abr. W/V.S.
unders o scattered T/F

Stm. $\frac{1}{1}$ banyan figs Skl. Comp. ossif.

Sk. 326G Myzomela ♂ $\frac{3}{4}$ white. Native name THULU-MUNDY

Iris dark brown Bill, legs and feet black

Shot 4 P.M. Wt. 9.5 grams W. 62 TL. 43

Moult Nil Abr. W/T N.

Stm $\frac{1}{1}$ insects, nectar Skl. Comp. ossif.

Sk. 326H Zost. flav. min ♂ $\frac{1}{2}$ white

Shot 4 P.M. Wt. 9.5 grams (?) W. 55 TL. 42

Moult Nil Abr. W/T N.

Stm. $\frac{1}{1}$ insects and a few chil seeds Skl. Comp. ossif.

Sk. 326J Zost. flav. min. ♂ $\frac{1}{2}$ - white

Shot 4 P.M. Wt. 9.3 grams (?) W. 56 TL. 43

Moult all unders o Abr. W/T N.

Stm. $\frac{3}{4}$ insects, beetles Skl. Comp. ossif.

Sk. 326K Zost. flav. min ♀ $\frac{1}{2}$ -

Shot 4 P.M. Wt. 8.5 grams (?) W. 55 TL. 40

Moult TL. L.1 (x) Abr. W/T N

all unders o

Stm. $\frac{3}{4}$ insects Skl. Comp. ossif.

Sk. 326L Chalcophaps ♀ $\frac{1}{1}$ + OME breeding patch. Diam. largest

oocyte 6 mm. Native name MELE-MULAN Very fat.
Iris red brown ? bare skin dark red eyelid. Bill
pale corn red and deeper brick red. Legs and feet
scarlet red.

Shot 10 A.M. Wt. 232.5 grams ? W. 142 Tl. 92

Moult Not examined Abr. W/T mixed average S

Stm. $\frac{1}{1}$ seeds and berries Skl. $\frac{9}{10}$ ossif.

1 crop, seeds and berries 10

Sk. 326M Aplonis ♀ $\frac{1}{2}$ - repose

Shot 10 A.M. Wt. 68.3 grams W. 110 Tl. 60

Moult neck, chin $\frac{0}{4}$ nape $\frac{c}{4}$ Abr. W/N

Stm. $\frac{3}{4}$ 2 large snails T/S

Skl. Comp. ossif.

Sk. 326N Aplonis ♀ $\frac{1}{2}$ -

Shot 9:30 A.M. Wt. 57 grams W. 108 Tl. 58

Moult Abr. W/T F

Stm. $\frac{1}{1}$ fruit and chili pepper Skl. $\frac{9}{10}$ ossif., but

10 shot damaged

Sk. 326O Artamus ♀ $\frac{1}{2}$ - (repose)

Iris brown Bill blue black tip Legs and feet bluish
black (dark)

Shot 5:30 P.M. Sunset Wt. 40 grams W. 130 Tl. 66.5

Moult Nil Abr. W/T N.

Stm. $\frac{1}{1}$ flying ants Skl. Comp. ossif.

Very fat. Many others about in flight feeding also.

Thursday, 7th July 1938

Weather. Fine, sun and cloud fresh ESE breeze. Clouds 60%.

Bush. Tall forest and low scrubs, garden land, etc.

Birds. Saw 1 Accipiter. Shot 3 Coracina all juveniles, Note
Zosterops inornata are generally in pairs, inhabiting
lower vegetation of forest, similar to and often with
Zosterops lateralis. Have not yet heard them call
like Pachycephala (layard) but have heard a low squeaky
chirp. Pachy has many calls and mimes to a certain
limited extent but I take it layard ment the principal
loud call they give.

Sk. 326P Zosterops inornata ♀ $\frac{1}{2}$ - (rising) O.V.S.E.

Iris reddish hazel Bill black horn and white horn

Legs and feet pale salmon

Shot 8 A.M. Wt. 20.3 grams W. 71 Tl. 50

Moult W.L. 15

Abr. W/T N.

Stm. $\frac{1}{1}$ banyan figs

Sk1. $\frac{3}{4}$ ossif.

Sk. 326Q Zost. inor. ♂ $\frac{1}{4}$ - white

Soft parts as above. Shot same time and place.

Shot 8 A.M. Wt. 23.35 grams W. 76 Tl. 52

Moult Nil

Abr. W/T N.

Stm. $\frac{1}{2}$ banyan figs

Sk1. Comp. ossif.

Sk. 326R Zost. inor. ♂ $\frac{1}{2}$ - white

Shot 4 P.M. Wt. 22.85 grams W. 74 Tl. 51

Moult TL (x)

Abr. W/T N.

Stm $\frac{1}{4}$ fruit residue

Sk1. Comp. ossif.

Sk. 326S Hypotaenidia ♂ $\frac{1}{1}$ - white (LT $\frac{1}{1}$ + RT $\frac{1}{1}$)

Iris red Bill red and dark reddish horn Legs and feet pale nigger brown.

Shot from skinning table in camp, in grass patch. Common about camp and native gardens. Native name THUN or THOON.

Shot 4:30 P.M. Wt. 212 grams W. 132 Tl. 61

Moult nape, neck m

Abr. W/T N.

Stm. $\frac{1}{2}$ insects, molluscs, seeds

Sk1. $\frac{4}{5}$ ossif.

Sk. 326T Aplonis ♂ $\frac{1}{2}$ - black

Shot 7 A.M. Wt. 75 grams (/) W. 116 Tl. 67

Moult Nil

Abr. W/T N.

Stm. $\frac{1}{4}$ fruit

Sk1 Comp. ossif (?)

Lalage ♀ $\frac{1}{2}$ -

Shot 9 A.M. Wt. 22.6 grams (?) W. 88 Tl. 79

Moult rump o lower back a

Abr. W/T S

upper back c nape, crown o

all unders o to c

Stm. $\frac{1}{2}$ fruit

Sk1. Comp. ossif.

Sk. 326U Lalage ♀ $\frac{1}{2}$ -

Shot 4 P.M. Wt. 22.8 gram(?) W. TL.
Moult back, nape, crown m Abr. VS
 all unders c T/S
Stm. $\frac{1}{2}$ insects Skl. Comp. ossif. (?) shot

Sk. 326V Myagra ♀ $\frac{1}{2}$ + OVSE ♀ plumage.

Shot 4 P.M. Wt. 13.3 grams ? W. 71 TL. 62
Moult Nil Abr. W/T N.
Stm. $\frac{3}{4}$ insects Skl. Comp. ossif.

2 Rhipidura, 3 Zost. flav. shot but not skinned because of attack fever.

Friday, 8th July 1938

Weather. Dull, overcast, cloudy, fresh E wind, clouds 60-80%.

Bush. Tall forest, low scrubs, garden lands.

Birds. No Zost. inornata seen. 1 Accipiter seen and shot.
 3 juvenile Coracina and 2 adult shot.

Sk. 326W Accipiter ♂ $\frac{1}{4}$ + white imm. Native name WHAK UN or

WHA KOEN OR KON

Iris yellow, bare skin eyelid yellowish green Cere green (pale) Bill blue and black horn Legs dull greyish yellow feet bright yellowish green.

Shot 9 A.M. Wt. 269 grams W. 228 TL. 172
Moult back, nape o crown c Abr. W/M much color abrasion
 unders o x neck, chin c T/VM on body, tail & wings
Stm. $\frac{1}{1}$ lizards Very fat. Skl. Comp. ossif.

N.B. Note in field Lifu bird all appear smaller. Is it possible they are a smaller race than elsewhere? Further material is necessary.

Sk. 326X Coracina ♂ $\frac{1}{2}$ black

Shot 9 A.M. Wt. 146.1 grams W. TL.
Moult TL covs o Abr. W/T N.
Stm. $\frac{1}{1}$ grasshopper Skl. Comp. ossif.

Sk. 326Y Coracina ♀ $\frac{1}{2}$ -

Shot 7 A.M. Wt. 117.3 grams

Moult TL R. 1.L 4 covs o

Abr. W/N

rump, back o

T/VS

Stm. $\frac{1}{4}$ fruit (banyan figs?)

Skl. Comp. ossif.

Sk. 326Z Zosterops lat. mel. ♂ $\frac{1}{4}$ imm. (pale trans. yellowish)

Iris hazel Bill dark horn, brown tinge, white horn

Legs and feet dark dusky flesh

Shot 8 A.M. Wt. 14.8 grams W. 65 TL. 50

Moult TL covs o

Abr. W/T.V.S.

rump, back, nape m crown c

vent belly, flank, breast m neck c chin o

Stm. $\frac{1}{1}$ fruit

Skl. $\frac{1}{5}$ ossif.

Sk. 327 Myagra ♀ $\frac{1}{2}$ - ♀ plumage.

Shot 6:30 A.M. Wt. 11.85 grams W. 70 TL. 61

Moult TL covs m

Abr. W/T N.

Stm. $\frac{1}{2}$ insects

Skl. Comp. ossif.

Sk. 327A Myagra ♂ $\frac{1}{2}$ + white ♂ plumage. Same place as above.

Shot 6:30 A.M. Wt. 13.6 grams W. 75 TL. 69

Moult Nil

Abr. W/T N

Stm. $\frac{3}{4}$ insects

Skl. Comp. ossif.

Sk. 328A Zost. flav. min.

Sk. 328B

Shot 6:30 - 12 AM

(A) Wt. 10 grams

(B) ♀ ad. $\frac{3}{4}$

Moult Nil

Stm. $\frac{1}{2}$ fruit, seeds

Wt. 9.2 grams

Moult Nil

Skl. $\frac{4}{5}$ ossif.

Stm. $\frac{1}{1}$ insects

♂ $\frac{1}{4}$ + white

Skl. Comp. ossif.

Saturday, 9th July 1938

Weather. Fine, sun and cloud, light NE airs, clouds 60%.

Sorting up skins.

Sunday, 10th July 1938

Weather. Close and muggy, light N airs, sun and clouds.
Sudden change with rain squalls at 6 P.M. Cold
SE wind, strong, clouds 100%.

Monday, 11th July 1938

Weather. Cold south east wind, odd showers, clouds 100%. Gloomy.

Bush. Garden lands, low scrubs, tall forest.

Birds. Birds very active in spit of wind and rain. Usual run
seen. Lichmera's nest. Young ones well advanced,
gulls beginning to open on the 10th, but some time
after 10 A.M. a native robbed the young. (I believe
a native by tracks). So this morning I took the nest
as a specimen.

Sk. 329 Erythrura ♀ $\frac{3}{4}$ +

Iris dark brown? Bill black Legs and feet pale tan flesh.

Shot 6:30 A.M. Wt. 14.15 grams W. 59 Tl. 42

Moult W.R 16, 17 covs sec. o Abr. W/M outer prin.

L. (x) 16

TL/C consid. colour

TL. L.5 covs m

abrasion on body.

rump o back m nape c crown o

vent belly, flank o neck c chin o

Stm. $\frac{1}{2}$ grass seeds

Skl. $\frac{3}{4}$ ossif.

2

4 unusual (?)

Sk. 329A Erythrura ♂ $\frac{1}{1}$ yellowish white

Shot 7:30 A.M. Wt. 12 grams W. 57 Tl. 44

Moult rump o back m Abr. W/S T/N

vent belly, back m breast, neck, chin o

Stm. $\frac{1}{1}$ grass seeds

Skl. $\frac{1}{3}$ ossif.

1

3

Sk. 329B Zosterops inornata ♀ $\frac{1}{2}$ - repose

Shot 10 A.M. Wt. 23.8 grams W. 725 Tl. 50

Moult W.L. (x) Nil Abr. W/T. N.

Stm. $\frac{1}{1}$ seeds of cane vine, berries

Skl. Comp. ossif.

1

Sk. 329C Zosterops inornata ♂ $\frac{1}{2}$ - white

Shot 10 A.M. Wt. 24.8 grams W. 71 Tl. 48
Moult W. R. 8 Abr. W/T VS
 TL. L. 6 covs m
 back o neck, chin o
Stm. $\frac{1}{1}$ cane vine seeds, berries Skl. $\frac{2}{3}$ ossif.

Sk. 329D Gerygone ♂ $\frac{1}{4}$ -

Iris reddish brown bill black horn legs and feet blackish
Shot 11 A.M. Wt. 6.5 grams W. 52 Tl. 40
Moult nape o Abr. W/T N
Stm. $\frac{3}{4}$ insects (ants) Skl. Comp. ossif. (verified correct)

Sk. 329E Coracina ♂ $\frac{1}{2}$ - black

Shot 6:30 A.M. Wt. 143.5 grams Tl.
Moult W.R. 15 Abr. W/N T/S
 all uppers m x rump, crown o
 venty belly, flanks m breast o
Stm. $\frac{1}{1}$ fruit Skl. Comp. ossif.

Sk. 329F Aplonis ♂ $\frac{1}{2}$ - black
 LTV

Shot 7:30 A.M. Wt. 73 grams
Moult Nil Abr. W/T S
Stm. $\frac{1}{4}$ fruit berries Skl. Comp. ossif.

Sk. 329G Zost. flav. min ♀ $\frac{1}{4}$ + imm.
 (LTV)

Shot 12 Noon Wt. 9.3 grams
Moult W.R. (x) 8 Abr. W/N T/VS
Stm. $\frac{1}{1}$ insects Skl. $\frac{1}{2}$ ossif.

Sk. 329H Myagra ♂ $\frac{1}{4}$ - opaque yellowish. Wings badly damaged LTV.

♀ plumage. Shot 6:30 A.M. Wt. 12.75 grams W. 71 Tl. 66
Moult Nil Abr. E/BHY/F some colour abrasion
Stm. $\frac{3}{4}$ insects Skl. Comp. ossif.

Sk. 3291 Lichmera ♂ $\frac{3}{4}$ + white (LT $\frac{1}{1}$ - RT $\frac{3}{4}$ -)

Iris muddy brown Bill black Legs and feet blue black slate
Shot 8 A.M. Wt. 16.3 grams W. 72 TL. 57
Moult Nil Abr. W/S T/M
Stm. $\frac{1}{1}$ insects Skl. $\frac{4}{5}$ ossif.

Tuesday, 12th July 1938

Weather. Dull, cloudy, showery, overcast, cold SSE wind, clouds 100%.

Bush. All types.

Birds. Exceedingly active in spite of showers and unpleasant wind possibly because of cold. Usual run seen.

Sk. 330A Erythrura ♂ $\frac{1}{1}$ - yellowish white (LT $\frac{1}{1}$ RT $\frac{3}{4}$ +))

Shot 6:30 A.M. dawn Wt. 12.05 grams W. 58 TL. 41.5
Moult W.R. (x) Abr. W/S
 Nil T/N
Stm. $\frac{1}{4}$ grass seed Skl. Comp. ossif.

Sk. 330B Erythrura ♂ + white (LT $\frac{1}{1}$ + RT $\frac{1}{1}$ -)

Shot 7 AM Wt. 12 grams W. 55 TL. 41
Moult Nil Abr. W/T N
Stm. $\frac{1}{4}$ grass seeds Skl. $\frac{1}{3}$ ossif.

Sk. 330C Erythrura ♂ $\frac{1}{1}$ ++ yellowish white (8.5 X 5 mm.)

recently used ? One of a pair feeding by themselves.

Shot 7:30 A.M. Wt. 11.6 grams W. 54 TL. 43
Moult W.R. 1 Abr. W/S
 L1, covs m T/F
 TL. L 5
 all uppers o x crown
 all unders o
Stm. $\frac{1}{2}$ seeds Skl. $\frac{9}{10}$ ossif.

Sk. 330D Zosterops inornata ♀ $\frac{1}{2}$ +

Shot 11 A.M. Wt. 23.3 grams

Moult Nil

Abr. W/T VS

Stm. $\frac{1}{1}$ blue vine berries

Sk1. Comp. ossif.

Sk. 330E Zosterops inornata ♂ $\frac{1}{2}$ white

Shot 2 P.M. Wt. 24.3 grams

Moult W.R. 9 covs sec. $\frac{0}{1}$

Abr. W/T V.S.

Stm. $\frac{1}{1}$ seeds, fruit

Sk1. Comp. ossif.

Sk. 330F Zosterops flav. min. ♂ $\frac{1}{1}$ white (LT $\frac{3}{4}$ + RT $\frac{1}{1}$ -)

Shot 7 A.M. Wt. 8.5 grams

Moult Nil

Abr. W/T N

Stm. $\frac{3}{4}$ small grub insects

Sk1. Comp. ossif. (?) (x)

Sk. 330G Lalage ♂ $\frac{1}{2}$ black
LTV

Shot 10 A.M. Wt. 20.8 grams W. 84 Tl. 72

Moult TL covs $\frac{m}{2}$

Abr. W/N

rump, back $\frac{0}{2}$ nape, crown $\frac{c}{2}$ T/S some colour

vent belly, flanks $\frac{0}{2}$ breast, neck, chin $\frac{c}{2}$

Stm. $\frac{1}{4}$ chili peppers

Sk1. Comp. ossif.

Sk. 330H Zosterops lat. mel. ♀ $\frac{3}{4}$ -

Shot 8:30 A.M. Wt. 15.3 grams W. 63 Tl. 48

Moult cheeks, crown $\frac{m}{2}$

Abr. W/T N.

neck, chin $\frac{0}{2}$

Stm. $\frac{3}{4}$ berries, fruit

Sk1. $\frac{1}{3}$ ossif.

Sk. 330I Zost. lat. ♂ $\frac{1}{2}$ + white

Shot 4 P.M. Wt. 17.15 grams

W. 63.5 Tl. 48

Moult TL covs $\frac{m}{2}$

Abr. W/T N.

uppers $\frac{0}{2}$ few

Stm. $\frac{1}{1}$ berries

Sk1. Comp. ossif.

Sk. 330 J Zost. lat. mel. ♂ $\frac{1}{2}$ white

| | | | |
|--|-----------------------|----------------------------------|--------------|
| <u>Shot</u> 4 P.M. | <u>Wt.</u> 14.8 grams | <u>W.</u> 65 | <u>TL</u> 50 |
| <u>Moult</u> Nil | | <u>Abr.</u> W/T N | |
| <u>Stm.</u> $\frac{0}{0}$ residue, fruti | | <u>Skl.</u> $\frac{4}{5}$ ossif. | |

Wednesday, 13th July 1938

Weather. Dull, overcast, cloudy, light ESE wind, clouds 80-100%.

Bush. All types, mostly low scrubs and garden lands

Birds. Usual run seen. Chalcities seems very common and calling much this morning. Note birds are not as active this morning, the weather being warmer.

Sk. 331A Erythrura ♀ $\frac{3}{4}$ +

| | | |
|---------------------------------------|----------------------------------|-----------|
| <u>Shot</u> 6:30 A.M. dawn | <u>Wt.</u> 10.05 grams | <u>TL</u> |
| <u>Moult</u> W.R. (x) Nil | <u>Abr.</u> W/M | T/N |
| <u>Stm.</u> $\frac{1}{4}$ grass seeds | <u>Skl.</u> $\frac{1}{3}$ ossif. | |

Sk. 331B Erythrura ♂ $\frac{1}{1}$ yellowish white - flabby (badly infected

| | |
|--------------------------------------|----------------------------------|
| with lice. <u>Shot</u> 6:45 A.M. | <u>Wt.</u> 12 grams |
| <u>Moult</u> TL R 2 deformed | <u>Abr.</u> W/T N |
| <u>Stm</u> $\frac{1}{4}$ grass seeds | <u>Skl</u> $\frac{9}{10}$ ossif. |

Sk. 331C Zosterops inornata ♂ $\frac{1}{2}$ - white

| | |
|--|--------------------------|
| <u>Shot</u> 10 A.M. | <u>Wt.</u> 23.8 grams |
| <u>Moult</u> Nil | <u>Abr.</u> W/T N. |
| <u>Stm.</u> $\frac{1}{2}$ wild grape (blue vine berry) | <u>Skl.</u> Comp. ossif. |

Sk. 331D Chalcities luc. lay. ♂ $\frac{1}{2}$ white (LT $\frac{1}{2}$ RT $\frac{1}{2}$ -)

| | | |
|---|----------------------------------|---|
| <u>Iris</u> brown ? | <u>bill</u> black | <u>legs</u> and <u>feet</u> dark blue black |
| <u>Shot</u> 8 A.M. | <u>Wt.</u> 18.55 grams | <u>W.</u> 99.5 <u>TL</u> 61 |
| <u>Moult</u> W.R. 18 covs) | | <u>Abr.</u> W/F consid. colour abr. |
| L. (x)) $\frac{0}{0}$ | | T/M |
| TL (x) | | |
| All uppers $\frac{0}{0}$ all unders $\frac{0}{0}$ | | |
| <u>Stm</u> $\frac{1}{1}$ caterpillars | <u>Skl.</u> $\frac{2}{5}$ ossif. | |

Sk. 331E Zost. lat. mel. ♂ $\frac{1}{2}$ + (LT white RT black)

Shot 8:30 A.M. Wt. 15.5 grams

Moult W.L. 16

Abr. W/T N.

TL R1 L1

back, nape, crown o

all unders o X neck c chin m

Stm. $\frac{1}{2}$ seeds, fruit

Skl. Comp. ossif.

Sk. 331F Aplonis ♀ $\frac{1}{4}$ +

Shot 7 A.M. Wt. 69 grams

W. 107 TL. 60

Moult Nil

Abr. W/T F

Stm. $\frac{3}{4}$ fruit

Skl. $\frac{3}{4}$ ossif.

Sk. 331G Philemon ♀ $\frac{3}{4}$ - (?damaged) OVSE

Iris brown, grey outer ring Bill black legs and feet black Shot 11 A.M. Wt. 69.8 W. 127 TL. 106

Moult W. sec o

Abr. W/T VS

TL (x)

Stm. $\frac{1}{4}$ fruit seeds ?

Skl. $\frac{2}{10}$ ossif.

Sk. 331H Zosterops inornata ♂ $\frac{1}{2}$ - white

Shot 1 P.M. Wt. 25.1 grams

Moult W.R. 13

Abr. W/T N.

Stm. $\frac{1}{1}$ seeds and berries

Skl. $\frac{2}{3}$ ossif.

Sk. 331I Zost. Inornata ♀ $\frac{1}{2}$ -

Shot 1 P.M. Wt. Badly shot about.

Moult Nil

Abr. W/T N.

Stm. $\frac{1}{1}$ fruit vine

Skl. Comp. ossif.

Sk. 331J Aplonis ♀ $\frac{3}{4}$ - OVSE

Shot 2 P.M. Wt. 67.8 grams

Moult Nil

Abr. W/T S

Stm. $\frac{1}{2}$ snail

Skl. Comp. ossif.

Thursday, 14th July 1938

Weather. Dull, cloudy, overcast, calm, northerly drift (warm)
Clouds 100% up to 11 A.M. then showery.

Bush. Low scrubs, garden lands

Birds. All very silent, not active at all. Usual run seen.

Sk. 332A Hypotaenidia ♂ $\frac{3}{4}$ + white

Shot 8 A.M. Wt. 187 grams

Moult W.L. 19, 20f, 21

TL. R.1, L. 1, 2

all uppers o x back c

all unders o X neck m

Stm. $\frac{1}{1}$ seeds, molluscs

Abr. W/VS

T/F

Skl. $\frac{1}{5}$ ossif.

Sk. 332B Zosterops inornata ♀ $\frac{1}{2}$ -

Shot 7 A.M. Wt. 22.4 grams

Moult TL covs m

W sec m

Stm. $\frac{o}{o}$ empty

Abr. W/N T/S

Skl. $\frac{4}{5}$ ossif.

Retired with flu.

Rain commenced and set in steadily without break from
6 P.M. till 4 A.M.

Friday, 15th July 1938

Weather. Dull, cloudy, showery, light NE breeze, cold and close
variable. Clouds 80-100%.

Bush. Shot only in garden close to camp, too ill to go further.

Birds. Usual common run about camp seen, mostly Lichmera and
Zost. lat. min.

Zost. flav. min.

Shot 6-8 A.M. Wt. 9.05 grams

Moult Nil

Stm.

Abr. W/N T/S

Skl.

Saturday, 16th July 1938

Weather. Sun and cloud after night of rain, cold SE wind, clouds 60%.

In bed with flu.

Sunday, 17th July 1938

Weather. Fine, sun and cloud, fresh SE breeze, clouds 40-60%.

Mail to Mayr. Log closed for posting.

Monday, 18th July 1938

Weather. Fine, sunny, calm, clouds 10%.

Bush. All types.

Birds. Usual run seen. Note on this cool, calm, clear morning Chalcities is calling very seldom, not at all before dew and damp was off the vegetation. Note Erythrura began flying and calling shortly before daylight, it was strong moonlight but only the very faintest lighting was beginning to show in the east but had not yet had any effect on the surrounding darkness. Lichmera began calling before other birds, even Erythrura are stirring. Zosterops call and sing early but don't begin moving till some considerable time later, till daylight is established.

Sk. 333A Erythrura ♂ $\frac{1}{1}$ + yellowish white

Shot 6:30 A.M. dawn Wt. 12.1 grams

Moult W.R. 16, L. 10, 16 Abr. W/T N

TL. R. 1, 5, Li covs m

All uppers m X rump c

All unders m

Stm. $\frac{0}{0}$ few seeds (grass)

Sk1. $\frac{9}{10}$ ossif.

Sk. 333B Erythrura ♂ $\frac{1}{1}$ ++ white (10 X 6 mm.) RT slightly smaller

Shot 6:30 A.M. (same shot as 333A)

Wt. 12.9 grams

Moult Nil

Abr. W/T N.

Stm. $\frac{0}{0}$ few grass seeds

Sk1. $\frac{9}{10}$ ossif.

Sk. 333X Erythrura ♂ $\frac{3}{4}$ - (LT + RT $\frac{3}{4}$) white

Shot 6:45 A.M. Wt. 11.75 grams
Moult W.R. (x) Abr. W/T V.S.
Nil

Stm. $\frac{1}{4}$ grass seeds, conch grass Skl. $\frac{1}{3}$ ossif.

Sk. 333C Erythrura Imm. Blue just commencing on head, feet darker than usual. ♂ $\frac{3+}{4}$ yellowish white

Shot 6:45 A.M. (same shot as above, 333X) Wt. 11.95 grams
Moult crown, cheeks o Abr. W/T N.
Stm. $\frac{1}{4}$ grass seeds Skl. $\frac{1}{4}$ ossif.

Sk. 333D Zost. lat. nig. ♀ $\frac{1}{2}$ -

Shot 7:30 A.M. Wt. 15.9 grams
Moult W.R. 4, 11) Abr. W/VS
L. 4, 11) sec. covs o few T/S
upper back m nape c crown, cheeks o
all unders o x neck, chin m
Stm. $\frac{1}{4}$ fruit Skl. $\frac{2}{10}$

Sk. 333E Accipiter ♂ $\frac{1++}{1}$ pinkish white, red veins (23 X 13 mm.)

Iris yellow or golden Cere greenish yellow Bill black
and blue horn Legs greenish dirty yellow (pale) Very fat.
Shot 9 A.M. Wt. 308.5 grams W. 243 Tl. 187
Moult Nil Abr. W/S T/F Some colour
Stm. $\frac{3}{4}$ residue large rate abrasion, some body ab-
4 crop empty rasation especially on chin.
Skl. Comp. ossif.

Sk. 333F Aplonis ♂ $\frac{1}{2}$ - white

Shot 7 A.M. Wt. 76.3 grams
Moult Nil Abr. W/T N
Stm. $\frac{3}{4}$ berries, fruit Skl. Comp. ossif.

Sk. 333G Philemon ♀ $\frac{3}{4}$

Shot 9:30 A.M. Wt. 63.75 grams W. 123 Tl. 107
Moult Nil Abr. W/T N.
Stm. o empty Skl. Comp. ossif.
o

Sk. 333H Gerygone ♀ $\frac{1}{2}$ -

Shot 9:30 A.M. Wt. 59 grams W. 48 TL. 37
Moult TL. L 1f, 2f, 3f Abr. W/T N.
all unders o
Stm. $\frac{1}{2}$ insects Skl. Comp. ossif.
2

Tuesday, 19th July 1938

Weather. Fine, clear, sunny, light SE breeze, clouds 10-20%.

Bush. All types.

Birds. Saw a native with a Columba with a very even broad white band across the tail, some ablanistic feathers, under tail coverts were white washed with blue and upper tail coverts were mottled blue and white. The white band across primaries occupied from about 2/3 of the way down the tail to within 1/5 from the end of the tail. All other parts, wing, etc. seemed quite normal. Saw 1 Accipiter on wing and shot it. (prob. ♂ ad.) but failed to find it in dense low scrubs bordering the track. Pachycephala inhabits forests and low scrubs indiscriminately. Calls much and is much heard but is very shy and hard to shoot, stops calling on approach of shooter and cannot be lured closer or got to answer without difficulty.

Sk. 334A Pachycephala ♂ $\frac{1}{1}$ - white

Iris deep brown. Bill black Legs and feet plumbous (?)
(warm but darkish nigger brown)
Shot 6:30 (grey dawn) Wt. 43.1 grams W. 101 TL. 72
Moult Nil Abr. W/T V.S.
Stm. $\frac{o}{o}$ empty Skl.

Sk. 334B Pachycephala ♂ $\frac{1}{2}$ + yellowish white (LT $\frac{1}{2}$ - RT $\frac{3}{4}$ -)

Bill shot damaged. Has lice.
Shot 7 A.M. Wt. 41.3 grams W. 103 TL. 75
Moult Nil Abr. W/T Nil
Stm. $\frac{1}{4}$ molluscs Skl. Comp. ossif.
4

Sk. 334C Rhipidura spil. ver. ♂ 1++ white (full breeding)

1

Shot 6:30 A.M. dawn

Wt. 12 grams

Moult Nil

Abr. W/T N.

Stm. 1 insects

Skl. Comp. ossif.

4

Sk. 334D Lalage ♂ 1- white (repose)

2

Shot 8:30 A.M.

Wt. 23.5 grams

W. 88

TL. 78

Moult W.R. 13f

Abr. W/T N.

L. sec o

rump o back, nape, crown c

all unders o

Stm 1 praying mantis,

Skl. Comp. ossif.

1 banyan fruit (figs)

Sk. 334E Lalage ♀ 1

2

Shot 9 P.M.

Wt. 23.9 grams

Moult all uppers o to c increasing

Abr. W/N

rump to crown. vent, neck, chin o T/VS

Stm. 1 fruit (banyan)

Skl. Comp. ossif.

4

Sk. 334F Aplonis ♂ 1 - black Transition phase.

N. Reg.

4

Shot 8:30 A.M.

Wt. 68.7 grams

Moult Nil

Abr. W/T V.S.

Stm. o empty

Skl. Comp. ossif.

o

Sk. 334G Lichmera ♀ 1 ++ OVME breeding patch. Gape soft yellowish.

1

Shot margin scrubland forest and coconuts few.

Shot 8 A.M.

Wt. 12.8 grams

Nesting.

Moult Nil

Abr. W/VS T/F

Stm. 1 insect (nectar?)

Skl. Comp. ossif.

4

Sk. 334 H Zost. lat. mel.

Sk. 334 J H ♀ 3 -

4

Shot 7-10 A.M

Wt. 13.4 grams

Abr. W/T N.

Moult Nil

Stm. o empty

o

Skl. Comp. ossif.

J ♀ 1- repose

2

7-10 A.M.

16.8 grams

W/T N. Very fat

Nil

1 banyan figs

1

Comp. ossif.

Wednesday, 20th July 1938

Weather. Fine, sun and cloud after showers previous night.
Gusty strong SE wind, clouds 60%, 9 A.M. 20%.

Bush. All types.

Birds. Usual run seen. Zost. inornata heard giving a low "chip chip" call but with a rather musical bell like sound. Several ♂ Pachy seen but not a single ♀ plumage. Lalage is evidently a nester over a long season. 2 shot, both ♂ ad. in heavy moult. One was with the whole tail in moult, all very short and apparently at one stage, possibly from an accident and the rest as the following specimen given. (L. R 1, 2, L. 1, 2, 4, 5) covs m back, nape, crown consid. All unders o x chin c. Abr. W/NT S-N. both ♂ 1/2+ black, both LT slightly larger

Sk. 335A Pachycephala ♂ 1+ white Native name THU-THU

Shot 7 A.M. Wt. 41.8 grams W. 102 TL. 74
Moult Nil Abr. W/T N.
Stm. 1 large tree cricket Skl. Comp. ossif.
1

Sk. 335B Pachycephala ♂ 1+ white

Shot 7:15 A.M. Wt. 42.7 grams Very old by bone formation.
Moult Nil Abr. W/T N.
Stm. 3 molluscs, spiders Skl. Comp. ossif.
4

Sk. 335C Pachy. ♂ 1 + white (10 X 7 mm.)

Shot 7:15 A.M. Wt. 43 grams
Moult Nil Abr. W/T N.
Stm. 1 molluscs Skl. Comp. ossif.
2

Sk. 335D Pachy. ♂ 1 - white Shot damaged.

Shot 7:30 A.M. Wt. 42.2 grams
Moult Nil Abr. W/T N.
Stm. 1 molluscs, insects Skl. Comp. ossif.
1

Sk. 335E Coricina ♀ $\frac{1}{2}$ -

Shot 8 A.M. Wt. 131.2 grams
Moult TL. L 5 Abr. W/T N.
 rump m breast o
Stm. $\frac{1}{1}$ grasshopper, beetles Skl. Comp. ossif.

Sk. 335F Zost. lat. mel. ♂ $\frac{1}{2}$ - white

Shot 4 P.M. Wt. 14.2 grams
Moult W.L. 5 Abr. W/T N.
Stm. $\frac{1}{2}$ chili peppers Skl. Comp. ossif.

Sk. 335G Zost. lat. mel. ♀ $\frac{3}{4}$ + OVSE

Shot 8 P.M. Wt. 15.7 grams
Moult W.R. 16, L 16 Abr. W/T N.
 TL covs o
 nape, crown o
Stm. $\frac{o}{o}$ empty Skl. Comp. ossif.

Sk. 335H Zost. lat. nig. ♂ $\frac{1}{4}$ + white

Shot 4-5 P.M. Wt. 17.5 grams
Moult Nil Abr. W/T VS
Stm. $\frac{1}{4}$ seeds Skl. $\frac{4}{5}$ ossif.

Sk. 335X Zost. lat. mel. ♀ $\frac{3}{4}$ Badly damaged wings LTV

Shot 4-5 P.M. Wt. 14 grams
Moult Nil Abr. W/T N.
Stm. $\frac{o}{o}$ empty Skl. $\frac{9}{10}$ ossif.

Sk. 335J Zost. inornata ♂ $\frac{1}{4}$ + white Badly shot damaged.

Shot 2 P.M. Wt. 23.5 grams
Moult W. R 1f. L? Abr. W/T VS
 TL. L. 1 covs o
 fore crown m chin o
Stm. $\frac{1}{1}$ figs Skl. Comp. ossif. ?

Sk. 336 Zost. flav. mel. ♂ 1- (repose) white
2

Shot 7 A.M. Wt. 8.6 grams

Moult Nil

Abr. W/N T/S

Stm. 1 insects
4

Skl. Comp. ossif.

Thursday, 21st July 1938

Weather. Fine, sunny, light SE breeze, clouds 40-60% (showers previous night, light).

Bush. All types.

Birds. Usual run seen. (Shot 1 Circus flying lower over camp 5:30 P.M. white phase.) In a patch of tall forest found numbers of Z. inornata feeding on berries. Only heard a rare call, a low "chip chip" birds were very quiet feeding in middle layers of forest from 15 to 20 ft. mostly often lower, rarely up to 30 ft. and never once higher. Typical Zosterops behavior, generally in pairs occasionally 3 or 4 feed together and sometimes fairly frequently one on its own. Rather shy and wary and active making shooting difficult. Often perched in a patch of sunlight for a few seconds in early morning.

Sk. 337 Pachycephalia ♂ 1- white (flabby)
1

Shot 7 A.M. Wt. 43 grams

Moult Nil

Abr. W/T N.

Stm. 3 hard beetles
4 (weevil beetles?)

Skl. Comp. ossif.

Sk. 338 Rhipidura ♂ 1++ white
1

Shot 7:15 A.M. Wt. 11.6 grams

Moult chin o

Abr. W/T N.

Stm 1 insects
2

Skl. Comp. ossif.

Sk. 339A Zost. inornata ♂ 1- white
2

Shot 8-11 A.M. Wt. 25.2 grams

Moult crown o

Abr. W/T N.

Stm. 1 blue vine berries
1

Skl. Comp. ossif.

Sk. 339B Zost. inornata ♂ $\frac{1}{2}$ - white

Shot 8-11 A.M. Wt. 25.3 grams

Moult Nil

Abr. W/T N.

Stm. $\frac{3}{4}$ blue vine berries

Sk1. Comp. ossif.

Sk. 339C Zost. inor. ♂ $\frac{1}{2}$ - white (LT $\frac{1}{2}$ + RT $\frac{1}{2}$ -)

Shot 8-11 A.M. Wt. 24.2 grams

Moult

Abr. W/ N.

Stm. $\frac{1}{1}$ blue vine berries

Sk1. Comp. ossif.

Sk. 339D Zost. inor. ♂ $\frac{1}{2}$ - white

Shot 8-11 A.M. Wt. 24.1 grams

Moult chin o

Abr. W/T N.

Stm. $\frac{1}{1}$ blue vine berries

Sk1. Comp. ossif.

Aplonis ♂ $\frac{1}{2}$ - white Scrapped sufficient material ♂

Shot 7 A.M. Wt. 68.7 grams

Moult

Abr. W/T N.

Stm. $\frac{1}{2}$ snails

Sk1. Comp. ossif.

Sk. 339E Myagra ♂ ad. pl. ♂ $\frac{1}{2}$ + white

Shot 7:15 A.M. Wt. 12.5 grams

Moult

Abr. W/T N.

Stm. $\frac{1}{4}$ insects

Sk1. Comp. ossif.

Sk. 339F Myagra ♂ plumage. ♂ $\frac{1}{2}$ -R white, LT black

Shot 8:30 A.M. Wt. 12.7 grams

Moult

Abr. W/T N.

Stm. $\frac{3}{4}$ insects

Sk1. Comp. ossif.

Sk. 339G Lalage ♂ $\frac{1}{2}$ - grey stone or black

Shot 8 A.M. Wt. 22.3 grams

Moult W.R. (x)

Abr. W/T N.

Upper back, nape c crown o
all unders o

Stm. $\frac{1}{4}$ insects and insect eggs

Sk1. Comp. ossif.

Sk. 339H Circus ♂ $\frac{1}{2}$ - white

Shot 5:30 P.M. flying over camp, coconuts, low scrubs and garden land.

Shot 5:30 P.M. Wt. 710 grams W. 410 Tl. 230

Moult back, nape, crown o Abr. W/N

Iris yellow T/US

Cere pale greenish yellow chin VM

Bill black and blue horn

Legs and feet pale yellow

Stm. $\frac{1}{4}$ crop $\frac{1}{1}$ greater part of a fruit pigeon
(Ptinop. greyi)

Native name WHUZU WH00-Z00

Sk. 339I Zost. flav. min. ♂ $\frac{1}{2}$ + white

Shot 8-11 A.M. Wt. 9 grams

Moult Abr. W/T N.

Stm. $\frac{1}{4}$ insects Sk1. $\frac{2}{3}$ ossif.

Sk. 339J Zost. flav. min ♀ $\frac{1}{2}$ -

Shot 8-11 A.M. Wt. 8.2 grams

Moult Abr. W/T N.

Stm. $\frac{3}{4}$ insects (few seeds?) Sk1. Comp. ossif.

2 Zosterops inoranta tails shot away not skinned.

Friday, 22nd July 1938

Weather. Fine, sunny till 8 A.M. then dull, cloudy, overcast.
Fresh northerly breeze. Clouds 20%-80-100%.

Bush. Low scrubs, gardens and tall forest.

Birds. Usual run seen. Not Myzomela is not very common though numerous enough in tall forest where it stays in the upper leaf canopy mostly. Saw and shot 1 Accipiter.

Sk. 340 Myzomela ♀ $\frac{1}{1}$ ++ breeding patch OME diam largest oocyte 2 mm.

Iris brown Bill black legs and feet brownish black

Shot 9 A.M. Wt. 7.6 grams W. 55 Tl. 36

Moult TL. L 3 covs o Abr. W/VS

nape, crown, neck o T/S

Stm. $\frac{1}{2}$ insects and nectar Sk1. $\frac{2}{3}$ ossif.

Sk. 341A Gerygone ♀ $\frac{3}{4}$

Shot 6:30-9 A.M.

Wt. 6.15 grams

Moult

Abr. W/T N.

Stm. $\frac{1}{2}$ insects

Skl. Comp. ossif.

Sk. 341B Gerygone ♀ $\frac{1}{2}$ -

Shot 6:30-9 A.M.

Wt. 6.2 grams

Moult TL covs $\frac{0}{0}$

Abr. W/T N.

Stm. $\frac{3}{4}$ insects

Skl. Comp. ossif.

Sk. 341C Gerygone ♂ $\frac{1}{2}$ white
LTV

Damaged skinning.

Shot 6:30 - 9 AM.

Wt. 6.85 grams

Moult

Abr. W/T N.

Stm. $\frac{1}{2}$ insects

Skl. (x) Comp. ossif. ?

Sk. 341D Gerygone ♀ $\frac{1}{4}$ + sub. ad.

Shot 6:30-9 A.M.

Wt. 5.9 grams

Moult WL 17 TL covs $\frac{0}{0}$

Abr. W/T N.

Stm. $\frac{1}{2}$ insects

Skl. Comp. ossif. but thinish
with bone.

Sk. 342 Accipiter ♂ $\frac{3}{4}$ white (flat, recently used)

Shot 12 Noon

Wt. 264.8 grams

W. 242

Tl. 183

Moult WL (x)

Abr. W/S

some colour

crown $\frac{c}{c}$

T/S abrasion, tail and body.

neck, chin $\frac{0}{0}$ few

To date observer has noted an absence of ♀, these may be brooding at this season.

According to other observers (E.M. notes) juveniles are common. It may be so but not in my experience and it may be possible previous observers mistook adult ♂ for juvenile on account of small size which is very noticeable when birds are in flight. If because of more juv. in collections it may be juveniles are easier to shoot but not so in my experience all same. Damn hard.

Saturday, 23rd July 1938

Weather. Fine, clear, sunny, fresh WSW to SW wind, clouds 15%.

Bush. All types.

Birds. Usual run seen.

Went to middle if island in search of ♀ Pachycephala and did not find a single one though ♂ were very abundant. Heard a number of Ducula pacifica calling but did not shoot any. Should have no difficulty later getting a small series of these but as they are closer to Way (WEE') on the E coast will work them from there probably.

Sk. 343A Chalcities ♀ 1 - 0, S.E.

Shot 10 A.M. (near ground, low in scrubs) Wt. 20.9 grams
W. 97 TL. 68
Moult flanks o few Abr. W/T N.
Iris brown bill black Legs and feet dull blue slate
Stm. 1 beetles, caterpillar Skl. 3 ossif.
1 5

Sk. 343B Lichmera ♀ 3 - 0.C.E. Gape soft yellow.

Shot 9 A.M. Wt. 1.2 grams
Moult TL R. 3, 5 covs M Abr. W/VS
Upper back, nape c crown o T/S
all unders o
Stm. 1 insects Skl. Comp. ossif.
4

Sk. 343C Lichmera ♂ 1+ white

Shot 8:30 A.M. Wt. 17.5 grams
Moult Abr. W/T N.
Stm. 1 insects Skl. Comp. ossif.
4

Sunday, 24th July 1938

Weather. Fine, clear, sunny, light N airs, clouds 10%.

Log closed for posting.

Monday, 25th July 1938

Weather. Fine, clear, sunny, light NW airs, clouds 30%.

Bush. All types.

Birds. Usual run seen. Note birds again very active on very cold, clear morning. Noted many, many Pachy. in forests but saw not one single ♀, am beginning to wonder if ♀ have ♂ plumage though this hardly seems possible. Saw great numbers of Z.inornata but all very shy and active feeding about their usual 20 ft. levels, marching amongst vines. Heard low calls like a chicken "peeping" and one a loud harsh Kock Kock and a "witcher" something remotely like Pachy.

Sk. 344 Rhipidura ♂ 1+ white (recently used?)

1

Shot 6:45 A.M. (sunrise) Wt. 11.35 grams

Moult W. R 9

Abr. W/T N.

L (x)

Stm. 1 insects

Skl. Comp. ossif.

4

| <u>Shot</u> | <u>Wt.Grams</u> | <u>Moult</u> | <u>Abr.</u> | <u>Stm.</u> | <u>Skl.</u> | <u>Remarks</u> |
|-------------|-----------------|--------------|-------------|-------------|-------------|----------------|
|-------------|-----------------|--------------|-------------|-------------|-------------|----------------|

Sk. 345A Gerygone ♂ 1 - white

2

6:30 A.M. 6.85

dawn

W/N few C.O.
T/S scale
insects

Sk. 345B Halcyon ♂ 3 + white

4

Has parasites.

6:30-7:30 AM 42.1

W.R(x)

W/T 1 muddy 9 oss.
V.S. 2 water 10
charcoal &
a few beetles

nape c

Sk. 345C Halcyon ♀ 3 O.S.E.

4

Iris brown bill black and white horn legs and feet
dull nigger brown

Shot 6:30-7:30 A.M. Wt. 42.25 grams W. 89 TL. 57

Moult W.R1f, L1

Abr. W/VS

TL. R6, neck o

T/S

Stm. 1 beetles, insects, grasshopper Skl. 4 ossif.

1

5

Has winged parasites and also parasitic worm (white thread same as Uvea and Mare) between flesh and skin.

Sk. 345D Halcyon ♀ $\frac{3}{4}$ + 0.C.E. Imm. Has both types of parasite.

Shot 6:30-7:30 A.M. Wt. 40.5 grams W. 87 Tl. 54
Moult TL. R 4-6 Abr. W/VS
 L. 3f, 4-6 covs m T/N
 nape c crown m
 all unders o X chin c
Stm. o empty X beetle Skl. $\frac{1}{3}$ ossif.
o

Sk. 345E Halcyon ♀ $\frac{1}{2}$ + Has both spec. parasites.

Shot 7:30 A.M. Wt. 47.7 grams W. 90 Tl. 57
Moult W.R. (x) Abr. W/C
 TL (x) T/M
 upper back, nape m crown o
 all unders m X neck o chin o
Stm. $\frac{1}{2}$ mud and grit Skl. Comp. ossif.
2

Sk. 345F Halcyon ♂ $\frac{1}{2}$ - black

Shot 7:30 A.M. Wt. 45.65 grams W. 96 Tl. 63
Moult Nape c Abr. W/T N.
Stm. $\frac{1}{4}$ large grub Skl. $\frac{9}{10}$ ossif.
4

Zosterops inornata ♂ $\frac{1}{2}$ + white Simply too badly shot

to make a skin. Shot 9:00 A.M. Wt. 23.9 grams
Moult TL (x) Abr. W/N
Stm. $\frac{1}{1}$ small berries and seeds T/S
1
Skl. Comp. ossif.

Sk. 345G Zosterops inornata ♀ $\frac{1}{2}$ -

Shot 9:15 A.M. Wt. 23.5 grams
Moult Abr. W/T N.
Stm. $\frac{1}{2}$ fruit (?) Skl. Comp. ossif.
2

Sk. 345H Zost. inornata ♂ $\frac{1}{2}$ - white Shot damaged.

Shot 3 P.M. Wt. 24 grams
Moult Abr. W/T N.
Stm. $\frac{3}{4}$ blue vine berries Skl. $\frac{9}{10}$ ossif.
4

Sk. 345X Zost. inornata ♀ $\frac{1}{2}$ white

Shot 4 P.M. Wt. 23.4 grams

Moult W.L. (x)

Abr. W/T N.

TL. covs 0

Stm. 0 empty
0

Skl. Comp. ossif.

Sk. 345J Chalcities ♀ $\frac{1}{2}$ +

Shot 2 P.M. Wt. 20 grams W. 97 TL.

Moult

Abr. W/T N.

Stm. $\frac{3}{4}$ caterpillars

Skl. $\frac{1}{3}$ ossif.

Sk. 346A Myzomela ♂ $\frac{3}{4}$ white ♂ ad. plumage.

Shot 10 A.M. Wt. 9.5 grams W. 62 TL. 42

Moult W.L. 9, 10

Abr. W/N T/S

Stm. $\frac{1}{1}$ insects, nectar

Skl. Comp. ossif.

Sk. 346B Myzomela ♀ $\frac{1}{1}$ + OVME ♂ breeding patch.

Shot 4:30 P.M. Wt. 8.55 grams W. 56 TL. 38

Moult

Abr. W/T S.

Stm. $\frac{1}{4}$ insects

Skl. $\frac{3}{5}$ ossif.

Tuesday, 26th July 1938

Weather. Dull, cloudy, overcast, light N airs. Clouds 100%, showers off and on and steady rain from 11 A.M. onwards.

Bush. Low scrubs and tall forest and some garden lands.

Birds. Usual run seen. All very quiet and subdued, apparently not feeding as much as usual, except swifts and Artamus which were very busy.

Sk. 347A Zosterops inornata ♀ $\frac{1}{2}$ -

Shot 6:30 A.M. Wt. 20 grams

Moult

Abr. W/T N.

Stm. $\frac{1}{4}$ lawyer cane vine seeds

Skl. Comp. ossif.

Myagra ♂ $\frac{1}{2}+$? Shot to blazes

Shot 7 A.M. Wt. 12.45 grams

Moult W.R. (x) L (x)

Stm. $\frac{1}{2}$ insects

Abr. W/T N.

Skl. Comp. ossif.

Pachycephala Too badly shot damaged.

Shot 10 A.M. Wt. 43 grams

Moult TL (x)

Sk. 348 Myzomela ♂ $\frac{3}{4}+$ white ♂ juv. plumage.

Shot 8 A.M. Wt. 9.1 grams W. 60 TL. 40

Moult W.L. (x) Abr. W/S T/F
nape, crown o

Stm. $\frac{1}{4}$ insects Skl. $\frac{1}{2}$ ossif.

Sk. 349 Aplonis ♀ $\frac{1}{2}$ -

Shot 6:30 A.M. Wt. 68.7 grams

Moult W.L (x) Abr. W/C
TL (x) T/S

Stm. $\frac{1}{4}$ fruit seeds, residue Skl. Comp. ossif.

Sk. 349X Zosterops mel. U.S. Badly shot damaged.

LTV Shot 10 A.M. Wt. 15.3 grams

Moult W.R. 7 Abr. W/T S
neck, chin o

Stm. $\frac{1}{2}$ berries Skl. Comp. ossif.

Sk. 350A Lichmera ♂ $\frac{1}{1}$ - white

Shot 4 P.M. Wt. 16.7 grams

Moult Abr. W/S T/F

Stm. $\frac{1}{4}$ insects Skl. Comp. ossif.

Sk. 350B Lichmera ♀ $\frac{1}{1}$ - O.S.E.

Shot 4:30-5 P.M. Wt. 12.2 grams

Moult nape c unders o few Abr. W/T N.

Stm. $\frac{1}{4}$ insects Skl. $\frac{3}{5}$ ossif.

Sk. 350C Lichmera ♂ $\frac{3}{4}$ + white

Shot 4:30-5 P.M. Wt. 17.2 grams

Moult nape, crown c
breast, neck o

Abr. W/S
T/M

Stm. $\frac{1}{2}$ insects

Skl. $\frac{3}{4}$ ossif.

Sk. 350D Lichmera ♂ $\frac{1}{1}$ - white

Shot 4:30-5 P.M. Wt. 16.05 grams

Moult

Abr. W/N

Stm. $\frac{1}{4}$ insects

Skl. Comp. ossif. T/F

Sk. 351 Zost. inornata ♂ $\frac{1}{2}$ - white

Shot 5:30 P.M. native gardens feeding on paw Wt. 17.3 grams

Moult

Abr. W/N T/N damp feathers

Stm. o empty but for a little paw paw Skl. Comp. ossif.
o

Very thin and emaciated, possibly sick but no sign of injury except on right tarsis as if bird may have been kept tied by the leg in captivity by a native. This is so native youth was bringing one to me which escaped injury thereabouts same wing as specimen was shot.

Wednesday, 27th July 1938

Weather. Fine, sun and clouds fresh SW wind, clouds 60-80%.

Bush. Coconuts and garden lands.

Birds. Usual run of birds about the camp seen. One Accipiter seen. A flight of sea birds, about 40 passed over very high up which by their calls I think were brown Boobies.

Impossible to shoot this day. There being a fete in progress and over 5,000 people being in and about the vicinity. Almost the whole population of the island being present. Most birds seem to have fed well into the bush as small parties are camped everywhere.

Sk. 352 Coracina ♀ $\frac{3}{4}$ O.S.E. (discolored oocytes)

Shot 10 A.M. during short service at mission Wt. 154 grams

Moult neck, chin o

Abr. W/T N

Stm. $\frac{3}{4}$ caterpillars, beetles, figs

Skl. Comp. ossif.

Sk. 353 Lichmera ♂ $\frac{1}{1}$ white (LT $\frac{1}{1}+$ RT $\frac{1}{1}-$)

Shot 5:30 P.M.

Wt. 15.5 grams

Moult

Abr. W/N T/M

Stm. $\frac{1}{1}$ insects

Sk1 $\frac{2}{3}$ ossif.

Sk. 353A Lichmera ♂ $\frac{1}{1}++$ white

Shot 5:30 P.M.

Wt. 16.1 grams

Moult

Abr. W/N T/S

Stm. $\frac{1}{1}$ insects

Sk1. Comp. ossif.

Sk. 353B Lichmera ♂ $\frac{1}{1}$ white

Shot 5:30 P.M.

Wt. 16.05 grams

Moult

Abr. W/T N.

Stm. $\frac{1}{1}$ insects

Sk1. Comp. ossif.

Thursday, 28th July 1938

Weather. Fine, clear, sunny, light variable airs, clouds 10-15%.

Bush. All types.

Birds. Usual run seen. Note Zost. inornata feed much near the ground in low scrub, saw several parties in and about native village. Has 2 calls, a low chip chip or the same call stronger, almost identical with a domestic chicken and a low chachination almost like a parrot. Natives call it Sinahotta when it gives chip chip call and Sinaming when it gives the chattering parrot like call, say it then has a devil in it. But generally speaking, it is a shy, rather silent, inobtrusive bird.

Saw a native with Ducula pacifica for local gendarme This bird suffers much persecution from whites especially the gendarme who has a new gun, but maybe the novelty will wear off before Ducula disappears.

Sk. 354 Gerygone ♂ $\frac{3}{4}$ white

Shot 6:45 A.M.

Wt. 6.4 grams

Moult

Abr. W/T N.

Stm. $\frac{1}{4}$ insects

Sk1. Comp. ossif.

Sk. 354A Pachycephala ♂ $\frac{1}{1}$ + white

Shot 7:30 A.M. Wt. 40.7 grams

Moult TL (x)

Abr. W/T N.

Stm. $\frac{1}{4}$ beetles, 1 small tree
4 molluscs

Skl. Comp. ossif.

Sk. 354X Zost. inornata ♀ $\frac{1}{2}$ - Little taxidermic value, taken for moult

LTV

Shot Dawn 6:30 A.M. Wt. 20.8 grams

Moult TL all except R1 & L1

Abr. W/T N.

appears to be from inside outwards sequence.

all uppers and unders $\frac{0}{0}$

Stm. $\frac{1}{4}$ slate insect, wood louse, fruit chili

Skl. Comp. ossif.

Sk. 354B Halcyon ♂ $\frac{1}{2}$ - white Has both kinds of parasites.

Shot 7 A.M. Wt. 44.75 grams W. 92 TL. 58

Moult TL covs $\frac{0}{0}$

Abr. W/T N.

rump back $\frac{m}{c}$ nape, crown $\frac{0}{0}$

all unders $\frac{c}{c}$ X chin $\frac{0}{0}$

Stm. $\frac{1}{4}$ insects

Skl. $\frac{9}{10}$ ossif.

Sk. 354C Halcyon ♀ $\frac{3}{4}$

Shot 7 A.M. Wt. 46.2 grams W. 93 TL. 61

Moult Nape $\frac{M}{m}$ neck $\frac{0}{0}$

Abr. W/T N.

Stm. $\frac{0}{0}$ 1 caterpillar

Skl. $\frac{9}{10}$ ossif.

Sk. 354D Halcyon ♂ $\frac{1}{4}$ + opaque yellowish white.

Shot 7 A.M. Wt. 45 grams

Moult TL. R2 covs $\frac{0}{0}$

Abr. W/N T/S

back $\frac{0}{0}$ nape $\frac{m}{c}$ crown $\frac{0}{0}$

all unders $\frac{c}{c}$ increasing head to tail

Stm $\frac{0}{0}$ insect

Skl. $\frac{4}{5}$ ossif.

Sk. 354E Halcyon ♀ $\frac{3}{4}$ +

Shot 10 A.M. Wt. 45.3 grams

Moult W.R., 1f, 13-15) covs $\frac{c}{c}$

Abr. W/N T/F

L 1f, 13-15)

rump, back $\frac{m}{c}$ nape, crown $\frac{0}{0}$

all unders $\frac{0}{0}$ X neck $\frac{M}{M}$

Stm. $\frac{1}{4}$ smelly insects

Skl. $\frac{9}{10}$ ossif.

Sk. 354F Zosterops inornata ♀ $\frac{1}{4}$

Shot 1 P.M. Wt. 22.4 grams

Moult W.R. (x)

Abr. W/N T/S

Stm. $\frac{0}{0}$ few seeds

Skl. $\frac{4}{5}$ ossif.

Sk. 354G Zost. inornata ♀ $\frac{1}{2}$ -

Shot 2:30 P.M. Wt. 22.5 grams

Moult

Abr. W/T N.

Stm. $\frac{1}{2}$ seeds, berries

Skl. Comp. ossif.

Sk. 354H Pachycephala ♂ $\frac{1}{1}$ (RT white RT bluish semi transparent)

Shot 2 P.M. Wt. 45.45 grams

Moult

Abr. W/T N.

Stm. $\frac{1}{2}$ molluscs, beetles

Skl. Comp. ossif.

Sk. 354J Myzomela ad. ♂ $\frac{1}{1}$ -

Shot 4 P.M. Wt. 9.6 grams

Moult TL (x) L3

Abr. W/T S

Stm. $\frac{1}{1}$ insects

Skl. Comp. ossif.

Sk. 355A Philemon ♂ $\frac{1}{2}$ + white

Shot 8:30 A.M. Wt. 88.55 grams W. 135 TL. 117

Moult W.R. (x)

Abr. W/T VS

Stm. $\frac{1}{4}$ fruit (?)

Skl. Comp. Ossif. (?)

Sk. 355B Philemon ♀ $\frac{3}{4}$ + O.V.S.E.

Shot 9:30 A.M. Wt. 68.7 grams

Moult

Abr. W/N T/S

Stm. $\frac{1}{2}$ figs

Skl. Comp. ossif.

Sk. 356 Coracina ♀ $\frac{3}{4}$ -

Shot 11 A.M. Wt. 154 grams

Moult

Abr. W/T N.

Stm. $\frac{1}{1}$ yellow banyon figs and
1 few small beetles

Skl. Comp. ossif.

Friday, 29th July 1938

Weather. Fine, sun and cloud, light SE, clouds 40-60%
(clouds all in NW feeder traveling above SE).

Bush. All types.

Birds. Usual run seen. 1 Accipiter seen. The absence of ♀ Pachycephala in this area is most extraordinary. A count kept today in an area simply ringing with Pachy calls, 32 ♂ adult seen and not one female plumage. Natives say they haven't seen the like before and the ♀ are usually shy and not so often noticed, a few are generally seen about. By their description, ♀ are the same as Uvea (yellow without black collar). Note Zosterops inornatas' affinity to places of H.F.? Reasons.

Sk. 357A Zost. inornata ♂ $\frac{1}{2}$ - white LTV wings

Shot 6:30 A.M.-9 A.M.

Wt. 23.7 grams

Moult back m

Abr. W/T N.

both wings (x)

Stm. $\frac{1}{2}$ fruit, berries

Skl. Comp. ossif.

Sk. 357B Zost. inornata ♂ $\frac{3}{4}$ white

Shot 6:30-9 A.M.

Wt. 25 grams

Moult

Abr. W/T N.

Stm. $\frac{1}{2}$ fruit

Skl. Comp. ossif.

Sk. 358A Myzomela ♀ $\frac{1}{1}$ OME ♀ WEN-AIR

Shot 7 A.M.

Wt. 7.55 grams

W. 55

Tl. 39

Moult W.L. 15

Abr. W/T F.

All unders o X neck c

Stm. o nectar, insects

Skl. $\frac{1}{3}$ ossif.

Sk. 358B Myzomela ♂ $\frac{1}{1}$ - white

Shot 8:30 A.M.

Wt. 8.3 grams

Moult

Abr. W/T C

Stm. $\frac{1}{2}$ insects

Skl. $\frac{3}{4}$ ossif.

Sk. 358C Myzomela ♂ $\frac{1}{1}$ + yellowish white ad.

Shot 11:30 A.M.

Wt. 8.5 grams

Moult W

Abr. W/T VS

Stm $\frac{1}{2}$ insects

Skl. Comp. ossif.

Sk. 359 Cacomantis ♂ $\frac{1}{2}$ greyish white (LT $\frac{1}{2}+$ RT $\frac{1}{2}-$)

LTV

Iris crimson bill black legs and feet yellow claws black

Shot 10 A.M. Wt. 45.6 grams

W. 138 TL. 147

Moult WR (x)

Abr. W/T N.

Stm $\frac{1}{2}$ caterpillars

Skl. $\frac{1}{4}$ ossif.

Sk. 360 Myagra ♀ $\frac{1}{2}-$

Shot 11 A.M.

Wt. 12.8 grams

Moult

Abr. W/T N.

Stm. $\frac{1}{1}$ insects, beetles

Skl. Comp. ossif.

Sk. 361A Rhipidura ♂ $\frac{1}{1}$ yellowish white (LT $\frac{1}{1}+$ RT $\frac{1}{1}-$)

Probably just turned adult, few brown tipped wing coverts left.

Shot 10 A.M.

Wt. 11.7 grams

Moult

Abr. W/N T/S

Stm. $\frac{1}{2}$ insects

Skl. Comp. ossif.

Sk. 361B Rhipidura ♂ $\frac{1}{2}$ - white (repose) Also probably as

above spec., not long adult.

Shot 11 A.M.

Wt. 10.4 grams

Moult

Abr. W/T S

Stm. $\frac{1}{2}$ insects

Skl. Comp. ossif.

Saturday, 30th July 1938

Weather. Fine, sun and cloud, fresh NW breeze, clouds 60%.

Bush. Garden lands, low scrubs. Close about camp.

Birds. Usual run seen.

Sk. 362A Zost. flav. min. ♀ $\frac{1}{2}$ -

Shot 6:30-9 A.M. Wt. 8.2 grams

Moult TL. R 6

Abr. W/T N.

unders o few

Stm. $\frac{3}{4}$ insects and fruit

Skl. $\frac{4}{5}$ ossif.

Sk. 362B Zost. flav. min. ♀ $\frac{1}{4}$ +

Shot 6-9 A.M. Wt. 7 grams

Moult TL R. 1, 4, L1 covs m

Abr. W/T N.

Stm. $\frac{1}{4}$ insects unders o

Skl. $\frac{1}{2}$ ossif.

Zost. lat. mel.

All shot 6:30 A.M.-9 A.M.

Sk. 363A (1) Wt. 14.8 grams ♂ $\frac{3}{4}$ - white

Moult TL R1, L1

Abr. W/T N.

nape, crown c

breast o neck, chin c

Stm. $\frac{1}{4}$ fruit (seeds)

Skl. Comp. ossif.

Sk. 363B (2) Wt. 14.5 grams ♂ $\frac{1}{2}$ + white

Moult TL covs m

Abr. W/T N

uppers and unders o few

Stm. $\frac{1}{2}$ fruit

Skl. Comp. ossif.

Sk. 363C (3) Wt. 13.9 grams ♀ $\frac{1}{2}$ -

Moult WR (x) 15

Abr. W/S T/M

Stm. $\frac{1}{2}$ fruit

Skl. Comp. ossif.

Sk. 363D (4) Wt. 14 grams ♀ $\frac{3}{4}$ O.V.S.E.

Moult chin o

Abr. W/T N

Stm. $\frac{1}{4}$ fruit, chili pepper

Skl. Comp. ossif.

(5) ♀ $\frac{3}{4}$ + O.V.S.E. Damaged by shot and broken skinning.
Wt. 12.8 grams

Moult all unders o few

Abr. W/T N.

Stm. $\frac{1}{2}$ seeds

Skl. Comp. ossif. ?

140
44.

Sunday, 31st July 1938

Weather. Dull, cloudy, overcast, N and NE gusty wind, showers, cold, clouds 100%.

Mail from Mayr etc., to be answered.

Monday, 1st August 1938

Weather. Heavy rain and showers off and on all day, light S wind, clouds 100%, wind variable.

On mail. Log closed for posting.

Tuesday, 2nd August 1938

Weather. Fine, sun and cloud, cold S wind, clouds 40-60%.

Busy on mail.

Shot 1 Accipiter close to European dwelling near camp.
Alarm given as usual by domestic fowls. Also 1 Z.
inornata in a native garden on returning to camp.

Sk. 364 Accipiter ♂ 1 ++ white (26 X 12 mm) full breeding
1 Badly shot damaged.
Shot 4 P.M. Wt. 287.2 grams W. 243 TL.
Moult W.R (x) Abr. W/T S
Stm. 1 lizards Skl. Comp. ossif.
1

Sk. 365 Zost. inornata ♀ 3+ 0.S.E.
4
Shot 4-10 P.M. Wt. 23.65 grams
Moult Abr. W/T VS
Stm. 1 5 small tree molluscs Skl. Comp. ossif.
2

Wednesday, 3rd August 1938

Weather. Fine, sun and clouds, light variable airs, odd showers, clouds 60%.

On mail. 8 skins (6 Zost. flav., 1 Zost. lat., 1 Zost. inornata) sent by post.

Thursday, 4th August 1938

Weather. Sun and cloud, showers, cold blustery S and SE wind, clouds 60-80%.

On mail.

Friday, 5th August 1938

Weather. Cold, blustery S and SE breeze, clouds 60%.

Steamer day.

Saturday, 6th August 1938

Weather. Dull, cloudy, overcast, light to fresh SE wind, clouds 10%.

Bush. All types, most garden lands.

Birds. Usual types all very subdued and little activity except Lichmera active. During past days and today, much time spent looking for ♀ Pachycephala and have had native on the lookout, not one seen by me or reported by natives. 4 ♂ ad. plumage were shot today and examined and all were ♂ in advanced or full breeding. 4 ♀ are brooding they must leave the nest occasionally but when?

Sk. 366A Lalage ♀ 3+ 0.S.E.
4

| | | | | | |
|--------------|------------------------|------------|------------|-------------|--------------|
| <u>Shot</u> | 6:45 A.M. | <u>Wt.</u> | 22.1 grams | | |
| <u>Moult</u> | all uppers <u>c</u> | | | <u>Abr.</u> | W/F |
| | all unders <u>c</u> | | | | T/M |
| <u>Stm.</u> | <u>o</u> 1 caterpillar | | | <u>Skl.</u> | Comp. ossif. |
| | <u>o</u> | | | | |

Sk. 366B Zost. lat. mel. ♂ 3 (RT white LT black)
4

| | | | | | |
|--------------|------------------------|------------|------------|-------------|--------------|
| <u>Shot</u> | 6:45 A.M. | <u>Wt.</u> | 14.3 grams | | |
| <u>Moult</u> | W.R. 14f | | | <u>Abr.</u> | W/T N |
| <u>Stm.</u> | <u>1</u> chili peppers | | | <u>Skl.</u> | Comp. ossif. |
| | <u>2</u> | | | | |

Sk. 366C Zost. lat. mel. ♂ 1 greyish white
2

| | | | | | |
|--------------|-------------------------------------|------------|------------|-------------|--------------|
| <u>Shot</u> | 8 A.M. | <u>Wt.</u> | 13.9 grams | | |
| <u>Moult</u> | upper back, crown <u>c</u> | | | <u>Abr.</u> | W/N |
| | all unders <u>o</u> X chin <u>m</u> | | | | T/VS |
| <u>Stm.</u> | <u>1</u> blue vine berries | | | <u>Skl.</u> | Comp. ossif. |
| | <u>2</u> | | | | |

Sk. 366D Zost. flav. min ♂ $\frac{1}{1}$ - white

Shot 7 A.M. Wt. 8.6 grams

Moult W.R. 15

Abr. W/N

L. 15

T/S

TL. r5

neck, chin c

Stm. $\frac{1}{2}$ insects

Skl. Comp. ossif.

Sk. 366E Rhipidura ♂ $\frac{1}{1}$ ++ white (full breeding)

Shot 10 A.M. Wt. 11.4 grams

Moult

Abr. W/T N.

Stm. $\frac{1}{1}$ insects

Skl. Comp. ossif.

Sk. 366F Myzomela ♂ white sub ♂ ad.

Shot 9 A.M. Wt. 9.6 grams

Moult uppers o nattered

Abr. W/T N.

Stm. $\frac{1}{4}$ insects unders o

Skl. $\frac{1}{3}$ ossif.

Sk. 366G Myzomela ♂ LT $\frac{1}{1}$ - RT $\frac{1}{4}$ + white sub. ♂ ad.

Shot 3 P.M. Wt. 8.55 grams

Moult

Abr. W/N

Stm. $\frac{1}{2}$ insects

T/VS

Skl. Comp. ossif.

Sk. 366H Myzomela ♂ $\frac{1}{1}$ - white ♂ sub ad.

Shot 2 P.M. Wt. 8.65 grams Bill shot (x)

Moult

Abr. W/M

Stm. $\frac{1}{4}$ insects

T/S

Skl. $\frac{2}{3}$ ossif.

Sk. 366X Lalage ♂ $\frac{1}{2}$ + black

Shot 2 P.M. Wt. 22.5 grams

Moult All uppers o

Abr. W/TW

All unders o

Stm. $\frac{1}{2}$ insects, fruit

Skl. Comp. ossif.

Sk. 366J Gerygone ♂ $\frac{1}{1}$ + (RT larger) white

Shot 8 A.M. Wt. 6.25 grams

Moult

Abr. W/N T/VS

Stm. $\frac{1}{1}$ minute insects

Skl. Comp. ossif.

Gerygone ♀? shot damaged. Tail too shot damaged.

Shot 2 P.M. Wt. 6.1 grams

Moult

Stm. $\frac{1}{2}$ insects

Abr. W/VS

T/S

Sk1. Comp. ossif.

Sunday, 7th August 1938

Weather. Sun, cloud and showers, strong E wind, clouds 60-80%.

Monday, 8th August 1938

Weather. Fine, sun and cloud, moderate E wind, clouds 40-10%.

Bush. All types mostly low scrubs and gardens and village clearings.

Birds. Usual run seen. Note Collocalia spod.leuc. seem more common inland than along coast where they almost certainly nest in the caves in sea cliff face.

Sk. 367 Zost. flav. min. ♂ $\frac{1}{4}$ + white

Shot 7 A.M. Wt. 8.1 grams

Moult W.R 16 covs $\frac{0}{0}$

Upper back, nape, crown $\frac{0}{0}$

Stm. $\frac{1}{4}$ ants

Abr. W/T N.

Sk1. $\frac{4}{5}$ ossif.

Sk. 368 Zost. flav. min. ♀ $\frac{1}{2}$ -

Shot 7:15 A.M. Wt. 7.65 grams

Moult

Stm. $\frac{1}{4}$ insects

Abr. W/N T/S

Sk1. $\frac{2}{3}$ ossif.

Sk. 369 Myagra ♂ $\frac{1}{2}$ (LT white RT black)

Shot 7 A.M. Wt. 12.05 grams

Moult

Stm. $\frac{1}{4}$ beetles

Abr. W/T N.

Sk1. Comp. ossif.

Sk. 370 Zost. lat. mel ♀ $\frac{1}{2}$ +

Shot 7:30 A.M. Wt. 14.35 grams

Moult

Stm. $\frac{1}{2}$ blue vine berries

Abr. W/T N.

Sk1. Comp. ossif.

- Sk. 371 Collocalia spod. leuc. ♂ $\frac{1}{2}$ - white
Iris brown bill black legs brown to nearly black
tips to toes.
Shot 8 A.M. Wt. 7.4 grams W. 112 TL. 45
Moult TL (x) rump o Abr. W/S
back, nape o T/C
Stm. o few insects Skl. Shot damaged (x) not comp.
o ossif., possibly $\frac{1}{4}$ ossif.
- Sk. 372 Collocalia spod. leuc. ♂ $\frac{1}{2}$ + yellowish white
Shot 8 A.M. Wt. 7.9 grams W. 115 TL. 47
Moult uppers o Abr. W/T N.
Stm. $\frac{1}{2}$ insects Skl. $\frac{1}{4}$ ossif.
- Sk. 373 Halcyon ♂ $\frac{1}{2}$ - white Has both parasites but only few
worms, not badly infected.
Shot 7 A.M. Wt. 38 grams
Moult Nape c Abr. W/T N.
Stm. o few beetles Skl. $\frac{4}{5}$ ossif.
- Sk. 374 Halcyon ♀ $\frac{1}{2}$ +
Shot 7:30 A.M. Wt. 45 grams
Moult WR (x) Abr. W/T N.
Stm. $\frac{1}{2}$ grasshopper, beetles Skl. $\frac{9}{10}$ ossif.
- Sk. 375 Myagra ♀ $\frac{3}{4}$ + OVSE
Shot 11:30 A.M. Wt. 12.6 grams
Moult Abr. W/N T/mixed average S.
Stm. $\frac{1}{1}$ beetles, insects Skl. Comp. ossif.
- Sk. 376 Myagra ♂ $\frac{1}{2}$ + yellowish white
Shot 11 A.M. Wt. 12.4 grams
Moult Abr. W/T N.
Stm. $\frac{1}{1}$ insects Skl. Comp. ossif.

Sk. 377 Myzomela ♂ $\frac{1}{1}$ white ♂ ad.

Shot 12 Noon Wt. 9 grams

Moult

Stm. $\frac{1}{2}$ insects, nectar

Abr. W/T S.

Skl. Comp. ossif.

Sk. 378 Coracina ♀ $\frac{1}{1}$ - OME diam. larges oocyte 3 mm.

Shot 9 A.M. Wt. 141 grams

Moult W.L (x)

back \underline{c}

Stm. $\frac{1}{1}$ yellow banyan figs

Abr. W/N

T/VS

Skl. Comp. ossif.

Sk. 379 Lalage ♀ $\frac{1}{2}$ tail damaged.
LTV

Shot 10 A.M. Wt. 21.3 grams

Moult TL. (x)

rump, back \underline{c} nape \underline{m} crown \underline{o}

all unders \underline{o} increasing to neck, chin

Stm. $\frac{3}{4}$ fruit, caterpillars

Abr. W/T S.

Skl. Comp. ossif.

Halcyon ♂ $\frac{1}{2}$ - white Too badly shot damaged.

Shot 7 A.M. Wt. 45.8 grams

Moult all uppers \underline{c} x crown \underline{o}

Stm.

Abr. W/T N.

Skl.

Tuesday, 9th August 1938

Weather. Fine, overcast, light haze and clouds 60%, calm.

Bush. All types.

Birds. Usual run seen. Note Chalcites calling much but cannot say there is as yet a definite increase in numbers. Cacomantis calling much previous night. A native from the other side (E coast) when he saw a Chalcites shot volunteered the information that over there was a similar bird but larger (NZ?) and not so afraid of humans (exhausted?)

Sk. 380 Halcyon ♂ $\frac{1}{2}$ + white Has both parasites but not very

heavy infection of worms found.

Shot 7 A.M. Wt. 41 grams

Moult

Stm. $\frac{1}{4}$ insects

Abr. W/T VS

Skl. $\frac{9}{10}$ ossif.

- Sk. 381 Rhipidura ♀ $\frac{1+}{2}$
Shot 7:30 A.M. Wt. 9 grams
Moult
Stm. $\frac{1}{4}$ insects
Abr. W/T N.
Skl. Comp. ossif.
- Sk. 382 Gerygone ♀ $\frac{1-}{2}$
Shot 6:45 A.M. Wt. 6.6 grams
Moult
Stm. $\frac{1}{4}$ insects
Abr. W/T N.
Skl. Comp. ossif.
- Sk. 383 Gerygone ♂ $\frac{3}{4}$ + yellowish white
Shot 8 A.M. Wt. 6.5 grams
Moult
Stm. $\frac{1}{4}$ insects
Abr. W/VS T/N
Skl. Comp. ossif.
- Sk. 383A Gerygone ♂ $\frac{1}{4}$ - white yellow
Shot 8 A.M. Wt. 6.2 grams
Moult Both wings (x)
Stm. $\frac{1}{2}$ insects
Abr. W/T S
Skl. Comp. ossif.
- Sk. 384 Chalcities ♀ $\frac{3+}{4}$
Shot 9:30 A.M. Wt. 20.05 grams
Moult
Stm. $\frac{1}{1}$ hairy caterpillars
Abr. W/T S.
Skl. $\frac{1}{4}$ ossif.
- Sk. 385 Chalcities ♀ $\frac{1+}{1}$ OVME
Shot 7 A.M. Wt. 20.7 grams
Moult vent o
Stm. $\frac{1}{2}$ grubs, insects
Abr. W/T S.
Skl. $\frac{1}{3}$ ossif.
- Sk. 386 Lalage ♂ $\frac{3}{4}$ - black
Shot 10 A.M. Wt. 21.7 grams
Moult All uppers o increasing tail to head Abr. W/T N.
All unders o increasing tail to head
X neck, chin c
Stm. $\frac{1}{4}$ insects, fruit
Skl. Comp. ossif.

Sk. 387 Myzomela ♂ $\frac{1}{1}$ + white ♂ ad.

Shot 4 P.M. Wt. 9.1 grams

Moult W sec o

Stm. $\frac{1}{4}$ insects

Abr. W/T N.

Skl. Comp. ossif.

Sk. 388 Zost. flav. min. ♀ $\frac{1}{2}$ -

Shot 4 P.M. Wt. 8.25 grams

Moult

Stm. $\frac{1}{2}$ insects

Abr. W/T N.

Skl. Comp. ossif.

Wednesday, 10th August 1938

Weather. Dull, cloudy, showery, blustery SSE wind, cold.
Clouds 100%.

Bush. All types.

Birds. Usual run seen. Note Collocalia very scarce and feeding more amongst trees in shelter. Was today where natives said the most likely place to get Turdus. None seen or heard. Likely I shall get none as on Mare.

Sk. 389 Myzomela ♀ $\frac{1}{1}$ ++ O.F.E. Full breeding patch. Diam. largest oocyte 3.5 mm.

Shot 6:30 A.M. sunrise Wt. 8.2 grams

Moult TL (x) R1

Stm. o empty
o

Abr. W/T VM

Skl. $\frac{2}{3}$ ossif.

Sk. 390 Collocalia escul. uroq. ♀ $\frac{1}{2}$ + dark

Iris brown Bill black Legs and feet brownish to blackish at toes.

Shot 7 A.M. Wt. 5.4 grams W. 101 TL. 44

Moult rump o

Abr. W/T N.

vent belly flanks o

Stm. $\frac{3}{4}$ insects

Skl. $\frac{1}{3}$ ossif.

Sk. 390A Philemon ♀ $\frac{1}{4}$ + imm.

Shot 7 A.M. Wt. 54.45 grams

Moult TL. L 5,6

Stm. $\frac{1}{2}$ banyan fruit

Abr. W/T M.

Skl. $\frac{4}{5}$ ossif.

Sk. 391 Zost. flav. min. ♀ $\frac{1}{2}$ + OVSE

Shot 9-11 A.M. Wt. 9.7 grams

Moult

Stm. $\frac{3}{4}$ fruit, insects

Abr. W/T N.

Skl. Comp. ossif.

Zost. flav. min. ♂ $\frac{1}{2}$ - white

Shot 9-11 A.M. Wt. 9 grams

Moult W, R & L (x)

Stm. $\frac{1}{2}$ fruit, insects

Abr. W/T N.

Skl. $\frac{1}{2}$ ossif.

Sk. 391X Zost. flav. min. ♂ $\frac{1}{2}$ - white

Shot 9-11 A.M. Wt. 10.7 grams

Moult

Stm. $\frac{1}{4}$ fruit, insects

Too shot damaged.

Abr. W/T S.

Skl. Comp. ossif.

Sk. 392 Coracina ♀ $\frac{1}{2}$

Shot 8 A.M. Wt. 141.5 grams

Moult rump m back, nape o crown c
unders o

Stm. $\frac{1}{1}$ banyan figs

Abr. W/T C.

Skl. Comp. ossif.

Sk. 393 Halcyon ♀ $\frac{3}{4}$

Shot 7 A.M. Wt. 40.7 grams

Moult TL R. 2, L2 covs m
nape o, unders o few

Stm. $\frac{o}{o}$ residue

Abr. W/N

T/C

Skl. $\frac{9}{10}$ ossif.

Sk. 393A Halcyon ♂ $\frac{1}{2}$ + white

Shot 7:30 A.M. Wt. 40.8 grams

Moult Upper back, nape o
All unders o X neck c

Stm. $\frac{o}{o}$ few insects

Abr. W/T N.

Skl. $\frac{9}{10}$ ossif.

Thursday, 11th August 1938

Weather. Sun and cloud and showers, cold gusty SE wind, clouds 60-80%.

Bush. Original forest.

Birds. Usual run of birds seen. Searching for Turdus, none seen or heard.

Sk. 394 Philemon ♂ $\frac{3}{4}$ + white (LT $\frac{1}{2}$ RT $\frac{1}{1}$ white)

Shot 5 P.M. Wt. 85.8 grams

Moult

Stm. $\frac{1}{4}$ spider, beetles

Abr. W/T S.

Sk1. Comp. ossif.

Friday, 12th August 1938

Weather. Sun and cloud and showers, strong SE breeze, clouds 40-60%.

Bush. All types mostly open type areas.

Birds. Usual run seen 1 Circus noted in flight over forest.

Sk. 395 Collocalia spod. leuc. ♂ $\frac{1+}{2}$ white

Shot 8 A.M. Wt. 6.8 grams W. 114 TL. 47

Moult TL covs o

Abr. W/T N.

rump o

Stm. o few insects
o

Sk1. $\frac{1}{4}$ ossif.

Sk. 396 Collocalia sp. lc. ♂ $\frac{1+}{2}$ (LT black RT white) Not very fat.

Shot 8 A.M. Wt. 7.8 grams

Moult

Stm. o few insects
o

Abr. W/T N.

Sk1. $\frac{1}{3}$ ossif.

Sk. 397 Collocalia sp. lc. ♀ $\frac{1}{2}$ -

Shot 8 A.M. Wt. 8.2 grams

Moult

Stm. o empty
o

Abr. W/T N.

Sk1. $\frac{1}{2}$ ossif.

Sk. 398 Zost. flav. min. ♀ $\frac{1}{2}$ -

Shot 7 A.M.? Wt. 8 grams

Moult

Stm. $\frac{3}{4}$ insects
4

Abr. W/T N.

Sk1. Comp. ossif.

Sk. 399 Zost. flav. min. ♂ $\frac{1}{2}$ - (LT $\frac{1}{4}$ RT $\frac{1}{2}$ +) white

Shot 6:30 A.M. Wt. 8.5 grams
Moult TL (x), nape c Abr. W/N T/VS
Stm. $\frac{1}{2}$ insects Skl. Comp. ossif.

Sk. 400 Zost. flav. min. ♀ $\frac{1}{2}$ -

Shot 6:30 A.M. Wt. 8 grams
Moult Abr. W/S T/F
Stm. $\frac{1}{4}$ insects, caterpillars Skl. Comp. ossif? damaged

Sk. 401 Zost. flav. min. ♀ $\frac{1}{2}$ - Badly shot damaged. LTV

Shot 8-10 A.M. Wt. 7.5 grams
Moult Abr. W/T N.
Stm. $\frac{1}{4}$ insects Skl. $\frac{1}{10}$ ossif.

Sk. 402 Zost. flav. min. ♀ $\frac{1}{2}$ - (? of sex shot damaged, 1 supposed ovary found).

Shot 8-10 A.M. Wt. 8.9 grams
Moult Abr. W/T VS
Stm. $\frac{1}{4}$ fruit Skl. Comp. ossif.

Sk. 403 Artamus ♀ $\frac{1}{2}$ -

Iris brown Bill pale blue horn, black tip Legs and feet black.
Shot 3 P.M. Wt. 33 grams W. 135 TL. 70
Moult Abr. W/T N.
Stm. $\frac{1}{1}$ beetles Skl. Comp. ossif.

Sk. 404 Ptlinopus greyi ♂ $\frac{3}{4}$ +

Iris reddish golden Bill dark, greyish green horn
Legs and feet red
Shot 7 A.M. Wt. 99.5 grams W. 130 TL. 82
Moult WR 17-19 sec. covs o Abr. W/N T/S
nape o
Stm. $\frac{1}{1}$ banyan fig Skl. $\frac{2}{10}$ ossif.
 $\frac{1}{1}$ crop $\frac{1}{1}$ ditto

Saturday, 13th August 1938

Weather. Sun, cloud and showers, strong SE breeze, clouds 60-80%.

Bush. All types.

Birds. Usual run seen.

Sk. 405A Philemon ♂ $\frac{1}{2}$ - white

Shot 7-9 A.M. Wt. 86.2 grams

Moult

Stm. $\frac{3}{4}$ banyan figs

Abr. W/T N.

Sk1. Comp. ossif.

Sk. 405B Philemon US shot damaged. Probably ♂ though the only thing visible looks like an oviduct.

Shot 7-9 A.M. Wt. 86.6 grams

Moult

Stm. $\frac{1}{4}$ banyan figs

Abr. W/S T/F

Sk1. Comp. ossif.

Sk. 405C Philemon ♂ $\frac{3}{4}$ - white LTV O.K. Noumea mus.

Shot sundown previous evening, picked up next morning.

Wt. 73 grams

Moult

Stm. $\frac{0}{0}$ residue

Abr. W/T N.

Sk1. Comp. ossif.

Sk. 405D Philemon ♀ $\frac{1}{2}$ - imm.

Shot 11 A.M. Wt. 64.4 grams

Moult TL covs $\frac{0}{0}$

upper back, nape, crown $\frac{0}{0}$

Stm. $\frac{1}{1}$ banyan fruit

Abr. W/T C

Sk1. $\frac{3}{4}$ ossif.

Sk. 405E Collocalia spod. leuc. ♂ $\frac{3}{4}$ - white

Shot 4:30 P.M. Wt. 7.55 grams

Moult

Stm. $\frac{1}{2}$ insects

Abr. W/T N.

Sk1. $\frac{1}{3}$ ossif.

Sk. 405F Artamus ♀ $\frac{1}{2}$ -

Shot 5 P.M. Wt. 33.5 grams

Moult

Stm. $\frac{3}{4}$ insects, beetles

Abr. W/T V.S.S.

Sk1. Comp. ossif.

Sk. 405G Myzomela ♂ 1 white ♂ ad.

1

Shot 2 P.M. Wt. 8.9 grams

Moult W.L (x)

Abr. W/T N.

Stm 1 insects, nectar, polen

Skl. Comp. ossif.

1

Sk. 405H Coracina ♂ 1- black

2

Shot 6 P.M. (dusk) Wt. 163.3 grams

Moult

Abr. W/T S.

Stm. 1 beetles

Skl. Comp. ossif.

1

Sk. 405X Zost. flav. min. ♀ 1-

2

Shot 2:30 p.m. Wt. 9.9 grams

Moult W.L. 13

Abr. W/T N.

Stm. 1 figs and insects

Skl. Comp. ossif.

1

Sk. 405J Zost. flav. min. ♂ 1+ yellowish white.

1

LTV badly shot damaged. OK Nou. Mus.

Shot 1 P.M. Wt. 8.55 grams

Moult ?

Abr. W/T S.

Stm. 1 insects

Skl. Comp. ossif.

1

Sk. 405 Zost. lat. mel. ♀ 3 -

Joy

4

Shot 3 P.M. Wt. 14.55 grams

Moult neck, chin o

Abr. W/T N.

Stm. 1 seeds

Skl. Comp. ossif.

4

Sunday, 14th August 1938

Weather. Steady soaking rain all day. Clouds 100%.

Log closed for posting.

Monday, 15th August 1938

Weather. Constant, steady rain with occasional deluges from 4 A.M. till midnight. Ligh N and NW airs, clouds 100%.

Tuesday, 16th August 1938

Weather. Showers off and on all day, almost constant light S and SE airs, clouds 100%.

Road to Wai still impossible.

EAST COAST OF ISLAND

Wednesday, 17th August 1938 WAI (said WAY) route

Weather. Showers off and on all day, rain heavy on E coast in morning but fining off by midday. Light E airs, clouds 100%.

Bush. All types crossing island.

Birds. Noted even in rain Accipiter hunting but immediately rain became heavy it perched. Saw all usual run of birds. 3 Accipiter. Note birds are very much more numerous on E than on W coast. Noted no differences in Rhipidura or any other species except that Ducula is confined to tallish original forest in small patches where such is plentiful. Heard one Tyto calling at 10 P.M.

Thursday, 18th August 1938

Weather. Sun and little cloud later, fine and very cold night and early morning, fresh SE breeze from 12 A.M., clouds 30-60%.

Bush. All types.

Birds. Saw 5 Accipiter (1 ♀) and usual run of birds. No Ducula near camp but many Columba. Saw some 20-30 pairs Rhipidura, all the same as W coast. Saw many Zosterops inornata, all the same as W coast and heard none call like Pachycephala, examined 6, saw 33 and heard many more Pachycephala, all ♂ ad., not a single ♀ seen or heard. In places where forest was ringing with calls many ♂ could be observed but no ♀. Many Chalcities heard far more plentiful than on W coast. Cocomantis more plentiful also. All species appear to be much more plentiful than W coast. Would have been considerably more suitable had camp than Chepenche, but at both places considerable distances to get all types of shooting are necessary. A bike would be ideal as good roads are everywhere.

Sk. 406 Cacomantis ♂ $\frac{1}{2}$ yellowish (white LT $\frac{3}{4}$ RT $\frac{1}{2}$ -) Dual
Shot 7:30 A.M. Wt. 45.2 grams
Moult TL covs m Abr. W/T N.
 nape m
Stm. $\frac{1}{1}$ very large, brightly Skl. $\frac{4}{5}$ ossif.
 1 colored caterpillar

Friday, 19th August 1938

Weather. Fine sun and cloud, strong SE wind, clouds 60%.

Bush. Coastal scrubs, foreshore, etc., coral rock and sand beaches.

Birds. 2 blue Demigretta seen, a few Tringa and Pluviahus, one unknown wader, short legs, greyish distinct white bar across base of tail, greyish, about size of Tringa, long pointed wing swallowish flight. Considering suitability of foreshore, very few shore birds present possibly because of strong wind and high sea.

Sk. 407 Collocalia esc. urog. ♂ $\frac{1}{2}$ + (black)
Shot 7 A.M. Wt. 5 grams
Moult Abr. W/T N.
Stm. $\frac{0}{0}$ empty Skl. $\frac{1}{4}$ ossif.

Sk. 408 Collocalia esc. urog. ♀ $\frac{3}{4}$ + Shot damaged.
Shot 6:55 A.M. Wt. 5.4 grams
Moult WL (x) Abr. W/N T/V.S.
Stm $\frac{1}{4}$ insects Skl. $\frac{1}{4}$ ossif.

Saturday, 20th August 1938

Weather. Rain off and on all day, clouds 60-80- 100%, SE breeze.

Bush. Tall original forest.

Birds. Usual run seen. All day after Ducula pacifica, one only heard. Weather unsuitable for this or any other species. Several hundred Pachycephala (♂) seen and not 1 ♀. Several times 3 and 4 and 5 ♂ seen in combat or in groups with crests raised and in 2 cases some were shot but all were ♂. Will later shoot 20 ♂ and

examine. 3 Accipiter seen (2 ♂ and 1 ♀ ad)? Who said imm. outnumber adults. Certainly not my experience. Turdus is almost if not already extinct. No Trichoglossus has been seen or heard by me but this species is said to be present 25 or 30 miles south of here, will go there next week. Porphyrio is rare even natives admit, was once common but now rare, as is also the case with Poryana ciniriu (native name INIDELL) one of the former has been caught by dogs in the last year (during eclipse moult probably) and 2 of the latter in the last 3 years. Tyto seems more common here by all account but I have only heard one, it is probably still in retirement. No proof of New Zealand Chalcities yet in some 8 or 9 species shot and measured.

Sunday, 21st August 1938

Weather. Dull, cloudy, overcast, almost constant rain and shower, strong ESE wind, cloud 100%.

Birds. Noted cunning of Accipiter in attacking domestic fowls when folks are in church, probably associates the bell with absence of people.

Monday, 22nd August 1938

Weather. Cloudy, overcast, showers off and on all day, slowly fining, strong ESE wind, clouds 100%.

Bush. Gardens, forest, and small patches grassland.

Birds. All day after Porphyrio and Ducula. No Porphyrio seen or heard or signs seen of their perching. This species is at present evidently very rare though natives speak of its having been common or not ever common but more numerous before. All speak of Lifu as being no good for this species, "Caledonia he good, place belong him Caledonia." No Ducula seen. 2 Columba only seen. 1 Accipiter.

Tuesday, 23rd August 1938

Weather. Dull, cloudy, odd showers, light N airs. Clouds 100%.

Bush. All types.

Birds. Usual run seen. 1 Accipiter seen. All day after ♀ Pachycephala. Of over 50 Pachycephala seen only one ♀ was recorded and shot. Whether ♀ are nesting and refuse to have nest or not is doubtful, personally observer believes they are very much in minority. 2 Ducula heard calling. 1 Tyto heard on road after dark when returning to camp, attempt to shoot it failed.

Note: Note today Chalcities have increased 100-150% though of 4 specimens shot all were C. lucidus (wing under 100) Possibly it is a district gathering for mating as numbers in small mobs, calling much and greatly excited were observed in several places.

Sk. 409 Pachycephala ♀ 1+ 0.S.E. ♀ plumage. Close to breeding.
1

| | | | |
|-----------------------|----------------------------|--------------------------|---------------|
| <u>Shot</u> 3:30 P.M. | <u>Wt.</u> 45.9 grams | <u>W.</u> 100 | <u>Tl.</u> 72 |
| <u>Moult</u> | | <u>Abr.</u> W/T N | |
| <u>Stm.</u> 1 | insects, beetles, molluscs | <u>Sk1.</u> Comp. ossif. | |

Wednesday, 24th August 1938

Weather. Dull, cloudy, overcast, light N airs, clouds 100%.
Odd showers.

Bush. All types.

Birds. Usual run seen. Many ♂ Pachy, no ♀ seen. 1 Accipiter seen in dense forest and shot but lost in underbrush of ferns, etc. Chalcities very numerous and calling much, do not think they are N.Z. migrants but local bird mating. They seem to be in a state of great excitement and gather in parties of 20 and 30 and more, seem to be coming all the time, call much, not their usual calls but shorter, more excited notes. If they were migrants, one would think they were preparing to migrate. This may be an old instinct making its appearance. Personally I believe these birds are nomadic, i.e., northern birds move southward Solomons to N.H. to Loyalties - Loyalties to N.C., otherwise it is hard to account for their regular appearance and disappearance on Aniwa and other southern N.H. islands where they have no parasite Gerygone. Saw definite Poryana tabuensis which crossed road within 3 ft. of where observer was standing. It appeared more brownish on the back and to have a heavier bill and longer legs than the N.H. specimens, though as it was a very rapid sight one could not be certain of that. The red eye was, of course, the most conspicuous feature.

No Ducula seen or heard. This seems definitely confined to certain small areas but moves from area to area following the fruiting of its food trees.

2 owls shot after dark. 1 only found, other may be found in daylight.

Sk. 410 Tyto ♀ 3- 0.S.E. (passed breeding) New Moon
4

Iris dark brown Bill white horn Legs and feet dirty white. Numerous spots unders. Very, very verminious.

Shot 7 P.M. Wt. 246 grams W. 267 Tl. 114

Moult RW (x) Abr. W/T N.

venty belly o breast m

Stm. o empty
o

Sk1. Comp. ossif.

Thursday, 25th August 1938

Weather. Dull showers off and on, strong N then calm, then heavy rain and thunder storms from 2 P.M. onwards. Clouds 100%.

Birds. Saw 1 Frigata (?) pass low overhead towards E. Heard 1 Tyto calling as it passed overhead about 10 P.M. during few minutes lull in heavy rain. A stronger skutch than usual.

Friday, 26th August 1938

Weather. Strong N and NE wind, heavy rain off and on and showers almost constant, slowly clearing up later. Clouds 100% from 4 P.M. onwards.

Birds. During shower 1 Accipiter sheltering in banyan watching domestic chickens, seen and shot. Another a ♀ adult flew from far side of same banyan but not noticed before shooting.

Sk. 411 Accipiter ♂ 1++ (LT 1.95 grams RT 2.25 grams Tot 42 grams)
1 25 x 12 mm. 27 x 13 mm.

Shot 10 A.M. Wt. 241 grams Shot damaged.

Moult Abr. W/T.S.

Some body abr., up. chin.

Stm. o empty
o

Sk1. Comp. ossif.

Saturday, 27th August 1938

Weather. Clear, fine and sunny, light NW airs, clouds 20%.

Bush. All types.

Birds. Usual run. 2 Accipiter seen. No ♀ Pachy seen in 30 odd ♂ seen. No Ducula seen or heard. No Turdus seen or heard. Note in the interior of the island amost all the indiginious snails (large couch type) are dead and live ones are hard to find, these are Turdus principal food. 1 Sterna bergii seen flying along coast.

Sk. 412 Tyto ♀ $\frac{3}{4}$ Badly shot damaged.

Shot 8 P.M. Wt. 320 grams

Moult WR (x)

Abr. W/T S

L (x)

all uppers m, all unders m

Stm. $\frac{1}{1}$ fur and bone of rat

Skl. Comp. ossif.

1

Sk. 413 Tyto ♀ $\frac{1-}{2}$

Shot and wounded night of 25th, found on the 27th nearly dead. Very verminious.

Wt. 219 grams

Moult All unders o

Abr. W/T S.

Stm. $\frac{o}{o}$ empty

Skl. Comp. ossif.

o

Sunday, 28th August 1938

Weather. Fine, sunny, clouds 10-20%, light N airs.

Rode across island and back on a push bike and wish to God I hadn't. Noted 5 Accipiter all adult (2 ♀, 3 ♂) 1 Tyto just at dusk on return. Saw 2 Ducula in flight. Noted the whole way across Chalcities very, very numerous and apparently still increasing, at least a 400% increase in the last 4 days. All very excited and calling much and gathering in parties.

Monday, 29th August 1938

Weather. Calm, clear, sunny, light N airs, clouds 50%.

Bush. All types.

Birds. Usual run seen, 2 ♀ Accipiter, 1 shot. Chalcities still very excited, 2 shot, both wings under 100.

1 rat collected, put in alcohol.

Sk. 414 Tyto ♂ 1- white
2

Shot 8:30 P.M. on night of 27th, not found till night of 28th at 10 P.M., wounded and unable to fly and nearly dead.

Wt. 231.5 grams

Moult

Stm. o empty
o

Abr. W/T N.

Sk1. Comp. ossif.

N.B. It is possible that the skulls of Sk. No. 410, 413 (and 415 possibly but no so much so) are immature specimens as the bones seem less ancient than in No. 411 and in 415. But it is possible that those with apparently younger bones are specimens which are sick and anemic as both were had many parasitic abdominal worms and apparently in poor health. Noting calls in the field and flights it appears as if the natives are correct in saying there are a wak sort and a strong sort. Another possibility is that the hurricane which doubtless brought Ducula and Trichoglossus and probably Turdus to Lifu from the N.H. or elsewhere (? Rennell Island) brought another sub species of Tyto which has bred into an original paler, smaller, weaker sub species and causes very wide variation in the species on the island today. Judging by my knowledge of the N.H. birds if N.H. was the origin of Ducula and Trichoglossus and Turdus on Lifu. Erromana Is. appears to me to be the most likely place they came from. This would also possibly account for Coracina here. Certainly from descriptions of the Turdus that was here seem to be close to the Erromangaspecies. It must apparently have been a narrow strip cyclone, as Tanna and Aneityum do not seem to be represented though closer but possibly because of the curling motion of such storms. Tanna and Aneityum species were carried more towards the SE of Caledonia or perished at sea off that area.

Monday, 29th August 1938

It would be interesting to see how such forms as Myzomela and Lichmera compare between Lifu and Erromanga (N.H.) The presence of Zosterops inornata which may be similar to Woodfordu of Rennel Is. and the presence of Accipiter on Rennel might make comparisons with those areas worth

while. Also the similarity of Zosterops lateralis of the Loyalties and Tanna is of interest. One would expect the species of the Loyalties to be smaller as these islands are very infertile compared to such an island as Tanna and even Aniwa is much more fertile than even Mare Is. which is the most fertile of the Loyalties and somewhat similar to Aniwa but much larger. Personally I think most of the bird life of the N.H. and Loyalties has come downwards from the northward. (i.e., Solomons, etc.) as a general decrease in the numbers of species is noticeable coming from north to south if one excludes wide ranging hawks, etc. Unfortunately I did not get any owls on Erromanga for a comparison with Lifu but I think a comparison of Ducula, Trighoglossus, Turdus (by exchange) Lichmera, Myzomela, Coracina would be of interest but such species as Pachycephala, Zosterops inornata and possibly Turdus even would make a comparison with Rennell of interest.

Sk. 415 Accipiter ♀ 1 0.M.E. Apparently has a double ovary

but only 1 oviduct visible.

Shot 7 A.M. Wt. 346 grams (?)

Moult W.R. 2

Abr. W/S T/F

Stm. 0 residue, beetles

Sk1. Comp. ossif.

0

This bird had evidently been badly wounded in one leg by a previous long shot of mine. Wound was gangrenous and bird appeared thin and weak but even so was attacking domestic chickens very savagely when shot.

Sk. 416 Columba ♀ 1- repose

2

Iris orange Bill red and white Legs and feet red

Shot 8:30 A.M. Wt. 456.5 grams W. 235 TL. 165

Moult All unders x chin c

Abr. W/T N.

Stm. 1 blue vine berries, crop ditto Sk1. Comp. ossif.

1

Pluvialis ♂ 1 white Native name THEAR.

2

Wt. 116.5 grams Shot 3 P.M.

Not as fat as usual for this species. Arrived back here in August. A very few remain all the year, possibly immatures.

Stm. 1 crabs and grit

1

Sk. 417 Columba ♂ $\frac{1}{2}$ - white A great number of lice on chin.
Shot 3:30 P.M. Wt. 373 grams W. 235 TL. 166
Moult Abr. W/T N.
Stm. $\frac{1}{1}$ blue vine berries Skl. $\frac{9}{10}$ ossif.

Not as fat as usual for pigeons.

Tuesday, 30th August 1938

Weather. Fine, sun and cloud, light SE airs, clouds variable
6-8 A.M. 80%, 8-12 A.M. 40%, 12-6 P.M Nil, 6-10 P.M. 60%.

Bush. All types along east coast, centre of island and south
centre (per bicycle)

Birds. Very early (from before dawn) in areas where Ducula
were said to be common and in which local policeman
has recently shot them, not one seen or heard till
late in afternoon in an area in the S centre I was
heard and shot. During middle day attempts to obtain
Porphyrio were made with dogs in gardens where a pair
was recently reported but none were seen nor were any
tracks seen. When returning along road at dusk and
moonlight, 3 Tyto were observed in flight. In all
areas visited the number and prominence of Chalcities
was noted and their excited state and much calling,
2 were shot but appeared like layardi except one was
exceedingly small.

Sk. 418 Ducula ♂ $\frac{1}{2}$ + white LT $\frac{3}{4}$ RT $\frac{1}{2}$ LT RT
Iris strawberry Bill black nob small bare skin at
eye dove grey legs and feet crimson
Shot 5 P.M. Wt. 467 grams W. 229 TL. 137
Moult Abr. W/T F.
Stm. $\frac{1}{1}$ forest plums Skl. Comp. ossif.

Sk. 419 Chalcities ♂ $\frac{3}{4}$ + white
Shot 1 P.M. Wt. 18.7 grams W. 94
Moult Abr. W/T F
Stm. $\frac{1}{2}$ caterpillars Skl. $\frac{1}{3}$ ossif. $\frac{1}{4}$

Sk. 420 Cacomantis ♂ $\frac{1}{2}$ + white
Shot 4 P.M. Wt. 43.5 grams
Moult TL covs o Abr. W/N T/V.S.
Stm. 1 caterpillars Skl. 1

Sk. 421 Tyto ♀ 1 - repose

2

Shot 8 A.M. Wt. 319.5 grams

Moult All unders o

Abr. W/T VS

Stm. 1 residue, bones

Skl. Comp. ossif.

4 and feet or feathers

Wednesday, 31st August 1938

Weather. Fine, clear, sunny, light SE breeze, clouds variable 80-10%.

Bush. Native gardens in forest, 2nd year gardens, langlang grass patches.

Birds. Usual run seen. Before daylight and in evening after Porphyrion with dogs, none seen or heard, during day after Ducula and seen and shot at long range but lost in rocky crevices of coral in forest.

Sk. 422 Tyto ♀ 3 - O.V.S.E.

4

Shot 6 P.M. dusk. Wt. 292.2 grams

Moult

Abr. W/T VS

Stm. o empty

Skl. Comp. ossif.

o

Thursday, 1st September 1938

Weather. Clear, sunny, light SE breeze, clouds 40-60%.

Bush. All types.

Birds. Usual run seen. 1 Circus seen, white unders. All day spent looking for Ducula at Thosip on the SE of island. None were seen and all fruit trees had no fruit. Natives reported that a month ago, they were very numerous in that area and this accords with the state of the fruit trees which were about a month fast fruiting and by the amount of seeds on the ground under them, many seeds evidently having been ejected by Ducula. Natives do not know where they have all gone to and I have had no reports from other areas of any numbers, odd ones being reported here and there.

Trichoglossus. Also previously fairly numerous hereabouts were Trichoglossus but in recent years they have disappeared. Am going tomorrow to Thodi in the south where a few are reported to be present at this date.

Friday, 2nd September 1938

Weather. Fine, clear, sunny, calm, clouds 10%.

Bush. All types principally tall forest (original).

Birds. Usual run seen. No Trichoglossus seen at all. A native brought to camp 1 adult and 1 juvenile Ducula which he had shot the previous day in the S centre of island. Adult had evidently been feeding on the ground on fallen fruit. Shot my Ducula at 3 P.M. Natives say Trichoglossus has been absent for 3 years or at least 2 years. 1 Accipiter seen and shot.

Sk. 423 Ducula ♂ 1- white Shot south centre of island by native
2

Considerable stains on breast of blood which could not be removed in camp as no peroxide on hand.

Shot 7 A.M. Wt. 502.3 grams

Moult

Abr. W/N T/S

Stm. Blue tree fruits
with large seed.

Skl. Comp. ossif.

This specimen must have been picking up fallen fruit as its crop had a lot of dirt in it.

Sk. 424 Accipiter ♀ 1++ Breeding patch, some discolored
1

oocytes 0.M.E., possibly has young in nest. Very fat.

Shot 5 P.M. Wt. 502 grams

Moult TL. L5

Abr. W/N

Stm. 1 domestic chicken

T/N x 1 prim m

1 fairly well grown

Skl. Comp. ossif.

Abr. Some belly esp. crown x chin

Sk. 425 Ducula ♂ 3 - white
4

Shot 3 P.M. Wt. 448.2 grams

Moult

Abr. W/T S.

Stm. 1 fruits (blue berries)
1

Skl. C.O. 19 of pigeon
20 form

Saturday, 3rd September 1938

Weather. Fine, clear, sunny, clouds 20%, light SE breeze.

Bush. All types.

Birds. Usual run seen. 1 Tyto seen and shot 6 A.M. after sunrise. Accipiter seen and shot 5:30 P.M. Note Chalcities have greatly decreased in numbers or are calling less. Saw nearly 40 ♂ Pachycephala and not a single ♀. Saw no Ducula or Trichoglossus tho a native reported presence of one recently.

Sk. 426 Tyto ♀ 1 -
2

Shot 6 A.M. sunrise Wt. 243.2 grams
Moult All unders o Abr. W/T N.
Stm. o empty, residue, grasshopper Sk1. Comp. ossif.
o

Sk. 427 Accipiter ♀ 3 O.S.E. Denoloured oocytes, nursing
4

fledglings undoubtedly.
Shot 5:30 P.M. Wt. 461 grams
Moult Nape o, crown, chin c Abr. W/T S.
Rump, back, flanks o
Stm. 1 small bird (? Zosterops inornata)
1 Crop 1 large aguana lizard Sk1. Comp. ossif.
1

By the condition of skull this bird has just passed from the imm. phase to the adult and undoubtedly has breed, probably has nestlings at this time. This species undoubtedly breeds in its first year of adult plumage and probably mates (copulates) while in the immature plumage. Note the unworn condition of plumage and deep coloured marking possibly due to its having been at rest while brooding and immediately after moult and mating.

1 rat put in alcohol.

1 bat (insectivorous) put in alcohol.

2 mammals like rate and fruit bat (small reddish type of 2 present on Lifu).

Sunday, 4th September 1938

Weather. Fine, clear, sunny, cold southerly wind, clouds 10-20%.

In camp all day. Saw one Sterna bergii (?) some distance out to see fishing near reef break. Saw 1 Circus flying high.

Monday, 5th September 1938

Weather. Fine, clear, sunny, light S wind, clouds 20%.

Along coast all day after Demigretta, none seen.

2 Accipiter seen and 1 Falco.

Put 1 mouse in alcohol.

Tuesday, 6th September 1938

Weather. Fine, clear, sunny, fresh SE breeze, clouds 20%.

Shifting camp across island.

1 mammal, rat skin, 1 rat in alcohol. Mice and several insect bats in alcohol.

Wednesday, 7th September 1938

Weather. Fine, clear, sunny, fresh SE breeze, clouds 60%.

4 P.M. wind died down owing to N through E and clouds 100%.

Packing skins, etc.

Left Lifu 14th September, on 16th noted great numbers of petrels off Goro and Yate in the SE of Caledonia.

4 species noted. P. Ruficus (?) P. thermicri nugax (?) another black and white about the same size ? and Frigatta alboguleri ?

Local resident advised that on 3-5th October a constant stream of petrels on migration. Passed all along NE side of island from NW to SE direction about 4 miles off shore.



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