

1985

PSB-023-Ratini-Field Notes-1985

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* Photation Equipment:

- ① Metal Buckets or Plastic Bags for handling samples
- ② Photation Buckets / Small Grey (stacked) Containers
- ③ Fine Mesh Screens
- ④ Fine Mesh w/ Handles (small)
- ⑤ Fine Mesh Drawstring Bags
- ⑥ Ties (2 pr.)
- ⑦ Bags / Taps / Dot Cards / Pens / Paper
- ⑧ Trawl
- ⑨ Screens
- ⑩ Knife

* Colone

* Rair Collection Equipment

- ① Screens
- ② Marking tape / + Blotter Paper
- ③ News Paper / + Blotter Paper
- ④ Herbarium Paper
- ⑤ Plant Press
- ⑥ Mineral Series
- ⑦ Knife
- ⑧ Colones
- ⑨ Permanent Markers
- ⑩ Large Fan / Flood Lights
- ⑪ White Labels (2x3)

- * How To Write It:
- a) Family
 - b) Genus
 - c) Species
 - d) Collector Name
 - e) Date
 - f) Location
 - g) Collector
 - h) Special tags

* Insect Collection Equipment:

- ① Kill jars
- ② Holding jars
- ③ Ethyl Acetate / Sodium Cyanide
- ④ Screens / Knife
- ⑤ Marking tape
- ⑥ Ties
- ⑦ Jar Holding Tray
- ⑧ # Series
- ⑨ Size # 3 pins for pinning
- ⑩ Bags for depositing specimens
- ⑪ Colone Holding Boxes
- ⑫ Fungus / Meth balls

- 1) MACUEIZO
- 2) CHILE CHILTUTE
- 3) VERBENA
- 4) ALMENDRA
- 5) CHIRIBITO
- 6) MELVA
- 7) HUEVO DE GATO
- 8) SANTA MARIA
- 9) MASAMORA
- 10) SAPOTILLO
- 11) CAMFURA
- 12) PIMENTA
- 13) FRISOLILLO
- 14) CALAICA
- 15) VERDOLABA
- 16) ALTOUISA
- 17) SAN MIGUEL
- 18) ESPINACA
- 19) COLLOLLO
- 20) SUNTUL
- 21) OREJO DE TACUAGIN
- 22) ONCE HORAS
- 23) ENCANTADORA
- 24) COQUILLO
- 25) MCSOTE
- 26) PAPPALLA
- 27) ALBACA
- 28) HIERVA DE TORO
- 29) TRENCIYA
- 30) GOLONDRINA
- 31) GONBOLIA
- 32) GUACARA
- 33) CAUBOLTE
- 34) ALGANFOR
- 35) TUNILPATE
- 36) COLA DE LOVO
- 37) VIVORAN
- 38) BLEO
- 39) CHILE

Please keep
Native Plant
Names

PSB85 #23

- ① ARUGA CUTA VIEJA
- ② MALVA
- ③ PINA
- ④ YUCA
- ⑤ MOSOTE
- ⑥ COLA DE ALOCRA
- ⑦ CARNE ASADLA
- ⑧ NARANJA
- ⑨ LAUREL
- ⑩ MAIZ
- ⑪ CHILINDRON
- ⑫ CHIRIBITO
- ⑬ QUESPILO
- ⑭ KILETE DE CRUZ
- ⑮ KILETE HOJA REDONDA
- ⑯ GUACARA
- ⑰ GUACARA SINARRONA
- ⑱ ESCANAL
- ⑲ ALTAMISA
- ⑳ OREJA DE TACUACIN
- ㉑ ALVAJACA
- ㉒ LIRIO
- ㉓ COLA DE ESCORPION
- ㉔ SOLCATE HARAGUA
- ㉕ FRISOLILON
- ㉖ RONRRON
- ㉗ DIENTE DE PERRO
- ㉘ MACUZ
- ㉙ CAMOTLUO
- ㉚ HUACAL
- ㉛ TRENCHUA
- ㉜ SALCATE TALTUS
- ㉝ CARAO
- ㉞ MADRE CACAHU
- ㉟ PINON
- ① MORRA
- ② MOSOTLUO
- ③ CEDRO
- ④ GUAYAVO

5/28/85

Today I am collecting insects in the Teicua Valley in Lacudapa around the vicinity of site #323 - the first part area. For reference (specimens) about the exact topography - see #35 (M. Hayes) pps. 1-3.

- 1. Maniposa - butterfly - yellow - med.
- 2. Maniposa - butterfly - Lepidoptera - grey/lower - fly
- 3. Beetle - ~~lepidoptera~~ - black - small lepidoptera
- 4. Grasshopper - large.
- 5. Multi-colored Red dragonfly
- 6. Maniposa - butterfly - lepidoptera - orange
- 7. Ant - under dump pile - amber colored.
- 8. ANT - velvet or "cow killer" - red + black.
- 9. ANT. Black - ground

Station A

- 10. ~~lepidoptera~~ - dump pile (under)
- 11. ~~lepidoptera~~ - dump pile (under)
- 12. Leafhopper - blue w/ yellow spots -
- 13. Maniposa - butterfly - morning clear.
- 14. Bee fly - black w/ translucent green.
- 15. Natural Beetles. 1 set
- 16. Maniposa - butterfly - white w/ tan.
- 17. Dragonfly - black -
- 18. Bee w/ pollen sacs -
- 19. Maniposa - butterfly - Mottled Brown + Tan
- 20. Maniposa - butterfly - Silver metallic spots
- 21. Maniposa - butterfly - Morning clear.
- 22. Maniposa - butterfly - w/ tan
- 23. ANT - RED - fly?
- 24. ANT - long.
- 25. Spider - numerous w/ spider - green
- 26. Small dragonfly
- 27. Scorpion or spider fly
- 28. Beetle - (on picnic)
- 29. Beetle - weevil?

Station B

- 1. Maniposa - butterfly - yellow - med.
- 2. Maniposa - butterfly - Lepidoptera - grey/lower - fly
- 3. Beetle - ~~lepidoptera~~ - black - small lepidoptera
- 4. Grasshopper - large.
- 5. Multi-colored Red dragonfly
- 6. Maniposa - butterfly - lepidoptera - orange
- 7. Ant - under dump pile - amber colored.
- 8. ANT - velvet or "cow killer" - red + black.
- 9. ANT. Black - ground
- 10. ~~lepidoptera~~ - dump pile (under)
- 11. ~~lepidoptera~~ - dump pile (under)
- 12. Leafhopper - blue w/ yellow spots -
- 13. Maniposa - butterfly - morning clear.
- 14. Bee fly - black w/ translucent green.
- 15. Natural Beetles. 1 set
- 16. Maniposa - butterfly - white w/ tan.
- 17. Dragonfly - black -
- 18. Bee w/ pollen sacs -
- 19. Maniposa - butterfly - Mottled Brown + Tan
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- 23. ANT - RED - fly?
- 24. ANT - long.
- 25. Spider - numerous w/ spider - green
- 26. Small dragonfly
- 27. Scorpion or spider fly
- 28. Beetle - (on picnic)
- 29. Beetle - weevil?

5/29/85

Today, I went out to the Tawana Valley w/ Megan & Tom. We took prints on the top of pits and Megan and Tom made some drawings of the pit pits. We finished up about 4:45 pm - and just before the rains too!

5/30/85

Today, in back at Guadalupe for flotation purposes. Yes, a really enjoy this aspect of my archaeological career. But, a just missed the children by about 1/2 hr. - CGA trouble.

Flotation samples:

① OP/SUB OP: 3K LOT: 5
EXCAVATORS: 7, 28, 41
* LT. FRACTION - Bone; teeth?; small snails
* Heavy FRACTION - Shards; bags rece⁵ - Hauler.

② OP/SUB OP: 100D LOT: #6 DATE: 4/9/85

EXCAVATORS: Johnson + Smartman
* LT. FRACTION: Bone, into
* Heavy fraction: ~~DATE~~

There were 2 more flotation samples to be floated, 2 lot Maria's also there because she asked to.

③ OP/SUB OP: 106F LOT: 14 DATE: 3/5/85

EXCAVATORS: Brown; Urban + Smartman
* LT. FRACTION: lots of rocks;
* Heavy fraction: Shards.

④ OP/SUB OP: LOT: DATE: EXCAVATORS:

* LT. FRACTION:
* Heavy fraction:

5/30/85

I collected some insects while I was in Guadalupe today; in various locations around the lake. I caught the following:

- ① Red Beetle - Coleoptera - near Quebrada
- ② Worker (soldier) ant - Black - Hymenoptera - ~~tree~~ ^{near}
- ③ Large Green Grass Hopper - ~~tree~~ ^{on tree}
- ④ Large Orange Grass Hopper - Orthoptera - on tree

6/1/85

Today, I was in Guadalupe collecting insects as usual. The weather this morning had to be perfect for me but it didn't warm out.

- ① Mantid - Butterfly - Lepidoptera - Swallow tail
- *② Mantid - Butterfly - Lepidoptera - Swallow tail
- ③ Soldier Ant - in burrow - black - Hymenoptera
- ④ Beetle - Coleoptera - on wood.
- ⑤ Spider - small; black - Arachnida
- ⑥ Spider - Black + yellow - Arachnida
- ⑦ Spider - yellow - small - Arachnida
- ⑧ Mantid - Butterfly - Lepidoptera - ^{sw. Black} Yellow
- ⑨ Honey bee - Hymenoptera - collecting pollen
- ⑩ Grasshopper - Orthoptera
- ⑪ Beetle - minute - Coleoptera
- ⑫ Weevil - Black
- ⑬ Spider - Green - Arachnida
- ⑭ Grasshopper - yellow - Orthoptera
- ⑮ Grasshopper - Orange - Orthoptera
- ⑯ Spider - 2 tone brown.
- ⑰ Mantid - Butterfly - w/ Tail
- ⑱ Mantid - Butterfly - Shaped.

20. Spider - Red, white, black.

~~6/11/85~~ 5/31/85

6/1/85

last day - I basically just cleaned out my kid's room - some of their Remy medals etc. However, the cigarette in potter's stuff and contact w/ moisture (seems) makes a potter reactor.

6/2/85

Centaur help my self - had to catch a few wasps - you know "Bar Fawar" -

At our house in Santa Barbara, Hawaii

- 1 Spider - Baye, Gray + Black - Kitchen Sink
- 2 Spider - Credit Card - Thin - Shower Stall
- 3 Leechmark - Toilet Area
- 4 Centaur - Scumming on Floor
- 5 Spider - Black - Shelf - Ceiling Sulfur
- 6 Curly - Terrace
- 7

LOST WHITE COLLECTING MOTHER ROACH

6/3/85

At Site #319 in Tanager - The wasps were finding all types of beetles while digging, so was a lot of low cones. Also found a number of invasions of plants - especially the more dry parts of the orange gum trees.

- 1 Beetle - Coleoptera - Multi colored
- 2 Beetles - 17 yr larvae - ~~Cicadas~~ - ~~Hemiptera~~
- 3 Beetle - ~~like equisetum~~ - ~~Coleoptera~~
- 4 Curly (?) - ~~Albido~~ - ~~Dermoptera~~
- 5 ~~Mut (spoke)~~ - ~~Spinothrips~~
- 6 Curly Beetle - ~~Coleoptera~~
- 7 Large Leaf Hopper - ~~Hemiptera~~

6/3/88

- ⑧ ~~Large Dung Beetle~~
- ⑨ ~~Large Dung Beetle~~ - *Coleoptera*
- ⑩ ~~Butterfly~~ - *Marpesia* - *depictaria*
- ⑪ Large Black Beetle - *Coleoptera*
- ⑫ Beetle - Brown - same variety - *Coleoptera*
- ⑬ Large Dung Beetle
- ⑭ *Marpesia* - Sm. Mottled Brown
- ⑮ *Marpesia* - yellow
- ⑯ Bee Fly -
- ⑰ Large dung beetle - *Coleoptera*
- ⑱ Small dung beetles - *Coleoptera*
- ⑲ Black granular Beetle - *Coleoptera*
- ⑳ Small *Taraxacum* - *Arachnida*

Site #350

Tequila pinning was pretty heavy. The

Socius Cyanus diagram list 75% of the

insects other than to pin them in a semi

olive state - THAT upset me immensely

because I don't go out on my way to

torture any creature unceremoniously. That

year, the Ethyl Acetate wasn't much better.

Wishes the reduction, in affected by the

Cyanus pinners. And w/o fingers, it

was a tendency to seek who the pins in

my skin. It not only leaves me dizzy &

w/ headache, but makes me nervous &

nauseous a bad taste in my mouth.

appeared more & a was collecting in an

orange more where a lot of pesticides

are used. These bugs have built up

such a tolerance that the cyanus

can't seem to have the

apparent effect on them at all. THAT

too, bothers me because it tells me other

about crop agricultural practices, plus

what you know the food & eat

is. I'd like to see how can tell - are

serious and suffer greatly.

6/4/85

The workers in the one pit area found a structure and gave it to me. I didn't have any real fans so I put it in a plastic bag. It committed suicide.

6/5/85

#319. I helped them take prints on site

6/6/85

We drew the pits

6/17/85

was given the plant press this morning by Pat - we had to have the carpenter in town make another (what a beauty) because the other was rapped off - with all of the blower no less, so, in going to see it at Swat we just threw newspaper and carpet board. They also rigged up a light system at Gakery to dry the plants out. Well see how it goes.

① yellow

6/20/85

We all arrived back to Santa Barbara, from Copan, yesterday. I discovered that I had found a photostatic sample; Wanda located a burial and I had the contents of a vessel(?) waiting for me to return. So, Wanda (baricade) what I'll be doing today. Shannon will be out in the field (later -) She wants to learn how to hear. What ever I find - there "samples" should provide some interesting "stuff".

① OP/SUBOP: 3E LOT: 48 DATE: 6/19/85

EXCAVATOR: ASHMORE

LIGHT - Small pits

HEAVY - 2 Shards.

② OP/SUBOP: LOT # DATE

EXCAVATOR: ASHMORE

LT - HARDLY ANYTHING

FROM FROG POT

HVY - NONE.

③ OP/SUBOP: LOT # DATE

EXCAVATOR: ASHMORE

Sample from burial vessel.

LT: Teak + jawbone fragments

Heavy: Pot Shards - Rotter large

④ OP/SUB OP: LOT # DATE

EXCAVATOR: ASHMORE

LT. Bone fragments

⑤ OP/SUB OP: LOT # DATE

EXCAVATOR: ASHMORE

LT: Bone and teeth fragments

Heavy: None

(from Red Top Burial)

FB 85-23-9

6/20/85

Since I finished the photos before lunch, I went to help nearby table points. After lunch Sharon and I came back to the Quabria and I taught her how to do photos. She shot one picture alone. Prior to this Sharon & I were drawing parts.

DP/SUBDP: 1061 LOT 6 DATE 3/11/85

Excavators Urman, Schutman & Paine
Lyr - dirt - large + small
Hedwig - Shavers

6/22/85

As of today in basically finished w/my collected photos. I counted all of the bones & teeth collected from the various burials that were discovered in the Tenessa Valley and gave fragments in various states of preservation - i.e. from bits and pieces of craniums bone to intact hairdoored bone. - depending on the location where it was excavated. The teeth and horns fragments were more well preserved than the bone itself - a few jaw bones (skulls) were excavated. The teeth were mostly well worn molars. Some incisors and canines were present. Some of the teeth had outer roots which, in other cases the crown remained in good condition. The report on the burials were dig covered were #s 22, 150, 300, 308, 310, 350, 353, and 9. Other operations provided teeth and bone fragments scattered throughout

#100

Flotation samples were taken from specific burials and from within the vaults found with the burials. Most of the samples proved sterile. However, burials ~~re~~ excavated from: 9C/3; 100D/6; 3N/2; and 106 F/14 yielded light fractions containing: millet, yucca, beans; seeds of numerous varieties; bone and teeth fragments (crowns, etc) and possibly animal particles. Heavy fractions were limited to large yucca, lithics and shells which were washed and preserved, by other members of the project. The operation which produced the most seeds was 106 F/14; whereas 9C/3 produced the most crowns and tooth fragments.

Direct species of numerous types were collected through out the Department in Santa Barbara. Specifically, in Conchoquito, the Tancos Valley and within Santa Barbara, itself. I used sodium cyanide in the last year's season because the ethyl acetate was ^{the} ~~not~~ effective. Season did not seem to work effectively. However, I soon discovered that certain species were also unaffected by the cyanide. I hypothesized that this was due to the protective waxy of various particles within this area. - - -
 Namely D.I. Neuritales, I also discovered that species which were previously un-affected by the Ethyl Acetate were killed by the cyanide, and those which were killed ~~remained~~ remained unharmed to the cyanide. I believe Paul George by the ethyl acetate

Plant collecting was rather difficult mainly, because of between last season and this season (1985) my equipment had been stolen from the storage area. i.e. numerous packages of blotter paper and the plant press, itself. I received the plant press (a half one had to be constructed by one of the local carpenters) 2-2 1/2 weeks before the 1985 season ended. Rain and other work prevented immediate collection of plant species. However, the components for the lack of equipment, presumably, a "drying" area was constructed to dry the plants at a faster rate, and also, to keep them in a preserved state longer than had been utilized last season. The "chamber" generator of (or) fluorescent light(s) hung off of a line and the press itself put up on a table. This was also done to prevent mold and mildew from attacking the specimens - also to prevent insect infestation. There were 21 total collected within the collected time frame.

(1984) and this season (1985) my equipment had been stolen from the storage area. i.e. numerous packages of blotter paper and the plant press, itself. I received the plant press (a half one had to be constructed by one of the local carpenters) 2-2 1/2 weeks before the 1985 season ended. Rain and other work prevented immediate collection of plant species. However, the components for the lack of equipment, presumably, a "drying" area was constructed to dry the plants at a faster rate, and also, to keep them in a preserved state longer than had been utilized last season. The "chamber" generator of (or) fluorescent light(s) hung off of a line and the press itself put up on a table. This was also done to prevent mold and mildew from attacking the specimens - also to prevent insect infestation. There were 21 total collected within the collected time frame.