



SOKKIA™

**FIELD
BOOK**

No. 8152-60

Hamilton Station Loop Road

MCH 03-033

CA: Mariposa Co., Hwy 120

9.9 E of Groveland N37°48' 823'

W120° 04 087 ELW ~3100 ft

- Hebes in exposed bank, not

much else

MCH 03-034

CA: Tuolumne Co., Tennessy Park

Baptist Camp, W bank of Tuolumne River

~2.5 mi S Hwy 180 N38°08' 501'

W120° 03.204 ELW ~5000 ft?? (D.D.)

3-31-03

(Pioneer) Bignonia 13 width Out 20 deep

8 23 190

MCH 03-035

CA: Tuolumne Co., Hwy 49

1 mi. S SPOKES N37°58' 382' W120°23' 635'

ELW ~1700 ft 4-1-03

- nice oakwoodland banks, W-facing in

ELW ravine, but essentially no timber

spiders - 1 Hebes in ferns, not collected

MCH 03-036

CA: Calaveras Co., along

Love Creek, 1.4 mi. to Jct w/ MORAN ROAD,

2.9 E of Avery N38°13' 238' W120°20' 163'

ELW ~3700 ft 4-1-03

width ft

1 10 20 260

2 10 20 260

3 12 10 175

4 11 17 200

5 8 30 170

6 12 1215 140

- pine / fir forest along E/W trending

creek ravine - rich c bottom

MCH 03-037

CA: Calaveras Co., Hwy 4

c Jct w/ Rolleri By Pass Road E of

Angels Camp N38°04' 576' W120°51' 950'

ELW ~1400 ft 4-1-03

- cold side, very exposed c base of

high rocks, no vent

- Alnus w/ wide flange board,

Acer? / Hebes common

- Alnus on small patches of

"wishart" soils

* NO trees / shrubs on slope

MCH 03-039 CA: El Dorado Co, Hwy 193
1.4 mi. N just w/ Hwy 49, N of
Placerville N 38° 45.37' W 120° 49.125'
Elev ~ 1200 ft. 4-1-03 E-W ravine along
highway in deep
N-S ravine
- mixed pine/deciduous
forest, trees of
poison oak

MCH 03-039 CA: El Dorado Co, Hwy 49
~ 5 mi. S of Coloma N 38° 45.375'
W 120° 50.644' Elev ~ 1700 ft 4-1-03
- Al. californicus on steep scattered
wood banks / oak woodlands

MCH 03-040 CA: Tehama Co., Hwy 36, 8.0 mi.
E of PLATINA N 40° 19.146' W 120° 47.220'
Elev ~ 1500 ft 4-2-03
- digger pine + manzanita, shrubby N-fels
slope of hill along highway
- Calceoglossa ♂ + ♀ in open burrows on
grassy slope
- Antrodia in deep burrows on
slope, uncommon

(~4 mi W PLATINA)
MCH 03-041 CA: Shasta Co., 1.6 mi. S
Hwy 36, White Rock Road, Campground, S of Middle Fork
N 40° 20.997' W 122° 57.721' Elev ~ 2200 ft
4-2-03 - doug fir / pine forest along cutline
N/S drainage - *Atropa* *viridis*
very common

① 11, 20, 170
② 12, 10, 140
③ 16, 35, 180
④ 12 30 350
⑤ 8 35 245
⑥ 11 32 —

MCH 03-042 CA: Trinity Co., 0.2 mi. S
Hwy 36, Hull Gate Campground, N 40° 22.147'
W 123° 18.684' Elev ~ 2400 ft 4-2-03
just east forest edge

① 10 22 230 * doug-fir / pine
② 9 20 180 forest along
③ 8 21 150 river's edge
④ 12 30 230
⑤ 13 33 175
⑥ 15 35 250

JUST E Rosewood

MCH 03-043 CA: Tehama Co., Hwy 36

22.3 mi. W of Red Bluff (5465) Hwy 36 (2713)

W 122° 32.788 E 1500 ft. N 40° 16.278

4-2-03 - roadside oakwoodland +

digger pine *californicus*

Albizia (~~sp.~~) on steep banks

on S side of road, N-facing, but

NOT overly sheltered - several doors

found - very little silk

- *Callosia* ♂♀, ♀♀ in burrows w/

open mounds on sloping road banks,

grassy; ♂ under rock

MCH 03-044 CA: Glenn Co., Hwy 162,

0.9 mi E of Stony Creek crossing N 39° 36.933

W 122° 30.798 E 800 ft.

4-3-03 - cattle grazed oak woodland

roadside N-facing banks, NOT TOO

sheltered - *Apotactichus* common,

including many doors on

open clay banks

MCH 03-045 CA: Glenn Co., Grindstone Rd

3.4 mi. N just w/ Hwy 162 N 39° 41.651

W 122° 43.089 E 2400 ft.

4-3-03 - mixed pine/oak/chaparral on

long downslope to bottom of basin

- both *Albizia* & *Amorpha* here,

road cuts - *Amorpha* in more shaded situations,

herbaceous common

MCH 03-046 CA: Lake Co., Bartlett Springs

Road, 1.7 mi E Indian Valley Reservoir

N 39° 10.044 W 122° 30.448 E 1800 ft

4-3-03 - interesting digger pine,

Menziesia, cypress + habitat, poor

soils - *Abydos* tunnels

11 23 210 mostly on steep N-

12 30 270 facing slope, shaded,

14 50 190 w/ pine + cypress

11 26 200

12 34 220

11 32 175

MCH 03-047 CA: Sutter Co., Sutter Buttes,

DEAN PLACE

PSANDS @ MARIJET.COM

N39° 13.396 W 129° 46.892

ELW 700-1000 ft. 4-4-03

- working hills S of ranchhouse, generally N-facing, done quite steep, E of

South Peak

- *Atriplex* ripens reasonably common on higher N-facing slopes, concentrated under

large trees

- *Atriplex* found on open ground near roots of large tree on N-facing slope

Atriplex measurements

- ① 13, 18, 190
 - ② 11, 26, 250
 - ③ 14, 20, 241
 - ④ 13, 25, 260
 - ⑤ 10, 14, 255
 - ⑥ 12, 22, 298
 - ⑦ 11, 13, 310
 - ⑧ 12, 20, 210
- Atriplex* in situations similar to *Atriplex* but by scrips leaf like

MCH 03-048 CA: Santa Clara Co.,

Bar Creek Rd., ~ 1/4 mi. W just w/

Hwy 17 N37° 11.325 W121° 59.726

ELW ~ 700 ft. 4-5-03

- working roadbanks on both sides of road, rich oak / evergreen forest, varying slopes, some fairly shallow

- *Atriplex* very common, perhaps 2 species ?? / *Promyrmecophila* in burrow w/ considerable silk, shallow

MCH 03-049 CA: San Benito Co., San

Juan Canyon Road, vic. Fremont Peak

State Park N36° 47.148 W121° 27.642

ELW ~ 1800 ft. 4-5-03

- roadside in oakwoodland, N-facing cut

- *Atriplex* + *Apocynum* scrips

MCH 03-050 CA: Monterey Co.,

Sedona River, opposite Hwy 198, S

of San Lucas N36° 07.055 W121° 01.616

ELW ~ 380 ft. 4-5-03

- sandy riparian habitat along river, mostly *Salix*, some cottonwood

03-050

- several *Hesperomys* species collected - *Hesperomys elegans*? very common on sticks, twigs + capsule - observed (100's of eggs seen); *Hesperomys* in salix litter; *Hesperomys* close to H₂O; *Hesperomys* under some grass; *Hesperomys* on shaded roads rare, thick grass; CA: San Luis Obispo Co., Hwy

MCH 03-051

4-1 mi. E of SANTA MARGARITA N35° 25' 01" W 120° 33' 43" Elev ~ 1200 ft

4-5-03 chaparral (*Chenopodium*) on upper hills, oaks in ravine - found *Agave* gnup near ravine bottom in silviculture of drainage banks in various places, *Agave* thicker silk

MCH 03-052

CA: Santa Barbara Co., Hwy 1, ~ 2.0 mi. W just w/ Hwy 101 N34° 30' 03" W 120° 14' 08" Elev ~ 1400 ft

4-5-03 - w-felling roadbank, fairly sheltered *Hesperomys* common

CA N GRISTON SP

MCH 03-053

AUST: WA, PERTH, King's Park 20-25 May, 2003 *Missulna* found wandering during day light hours - coll. M. Harvey's children's play area - sign to us by daughter - sign to us by M. Harvey

MCH 03-054

AUST: WA Wungong DAMN, 125 Km SE Perth, cf. Armadale 53211.692' E 116° 03' 54" Elev. ~ 150 meters 5-24-03 coll. F. Gyle, B.M. Main, S. Bond, M. Hedin, M. Harvey - *Agave* *capitata* (thinner doors) 054A 54B - *Arbutus* *induratus* (thicker door) 54C (w/ broad) - *Chenopodium* *tepperi* (open lip, w/ veil) 54D

all along bank along trail leading to lake, N-felling, fairly exposed focus but in sheltered microsites - *Agave* doors thin, w/ raised (thickened) area new hinge - more common trace *Arbutus*, w/ more smaller spiders in aggregations. *Arbutus* doors thick plug doors w/ thickened outer edge - fewer animals most higher on ~ vertical banks, more sheltered situations - *Chenopodium* scattered, @ base of bank in litter

(28 km S (not Hwy 41))

03-055 WA: Hwy 40, Brookton Hwy V
53° 13.177 E 116° 21.546 ELW ~ 350 m
- red gum jarrah on heath / sandy soils
S-24-03 w/ M. Haver, BYM, F. Conje,
S. Bow, MCH in

- dense jarrah forest higher on Darling
Scarp - flat w/ scrubby soils, reasonable
understory

- forest twig-lining, idiopid, sparse,
most @ bases of larger trees or in
small clearing w/ less litter (but see)

- could be Geius, but BYM not
certain?? BYM took largest ♀ specimen

- ♀ Chenistonic in open lip burrows,
sparse in litter
- small Missulene burrow surrounded
by a large gum very little silk
in burrow (typical for Missulene??)

MCH 03-056 WA: Avon Valley NP, 10.9 km
N Morangup Road S31° 35.853 E 116° 14.818
ELW ~ 200 m → on Forty-one mile Road

w/ BYM, FL, JB 25 May, 03
- Eucalyptus woodland forest, low regrowth, tree grass

Aganippe cupulifera on ~ flat ground, in
near that had buried, but perhaps a
"spotty" brown domed dunes, silk stretched
smaller dunes above younger larger dunes -
highest @ hinge - aggregations near
veg structure, but some also in more
open areas - many burrows found w/
light seals, 1 ♀ w/ spiderlings - many
burrows "dead" - perhaps fire-scorched.
- inner edge beveled

- also found large ♀ hemerid (BM suggests Tegid?),
open, vertical burrow (-30 cm wide), white,
sticky silk - side chamber ~ 2/3 down,
small collar opening into shaft (no door)
- spider found in side shaft

MCH 03-057 WA: Yokkrakine Rock NR,
S31° 25.316 E 117° 30.716
S-26-03

- found ♂ Missulene wandering (bright red
chelicerae + cephalothorax), iridescent
abdomen

(5-26-03)

Fairfield Homestead (BYM - birchplace)

- scrubby, eye woodland, trees dying because of Sker - Agave-like common, small sp. w/ high hinge doors (thicker @ base), slightly raised above perfectly flat ground; Arbzmis w/ thick cork doors, inside beveled edges, flush w/ soil surface, fairly cryptic, much less common; Idiosoma nigrum w/ trig-lined burrows, fairly large, internal "sockets" for protection, narrow @ middle

NORTH BUNGALLA Nature Reserve (5-26-03)

- Text sp w/ straight burrows, open @ surface, some w/ thin silken veil
 - 9 Missulena burrow w/ double doors, very cryptic under scrub on bare ground

- Gaius villosus study site of BYM, common here - huge, opening ~ half-dollar size internally, beautiful symmetrical trig-lining, fairly floppy door

Shire of Wyalkatchem

MCH 03-053 WA: Yorkkrine Townsite

S31°22.230 E117°35.139 Elev - 300m
 w/ Bym, FC, JB, MCH 5-26-03
 - short scrubland yellow sand substrate
 - Arbzmis sp ♀ w/ spiderlings on open ground, cryptic beetleplg door, sunken (flush w/ surface)
 - Cethegus fairly common, messy dipterid webs, most trashed from recent rains
 - found ♂, ♀ or immature - species NOT C. fugeax, something else
 - Tel. luculentus in open-ended burrows, vertical, very little silk in burrows (♀ + imm)

MCH 03-059 WA: Korrelacking, E of Wyalkatchem on Nungarin/Wyalkatchem Road

S31°12.103 E117°28.636 350m
 5-26-03 - sandy scrubland, ~ flat
 - Gaius villosus reasonably common, huge burrows w/ twig lines, essentially all large individuals
 - 2 qrs dug up, 1 ♂ & ♀ 55 cm to bottom socks ~ 1/3 way down w/ food debris
 - 2 adult ♀ Tel. v/ open burrows in sandy openings, burrow ~ vertical, then turning towards horizontal @ end, perhaps

20 cm deep, very little silk

MCH 03-059

1 adult ♀ Chenistonia,

burrow similar to that of Tey,
deeper, more horizontal
2. end.

- found forked burrow
heavy silk @ entrance, open,
but perhaps w/ slight silken
collar - spider not found (Angie?)

MCH 03-060

WA: SE of Nungarin on Merredin/

Nungarin Road, Nulkarni Nature Reserve

S31°17.659 E118°11.962 Elev 296 m

5-27-03 w/ FC, JB - flat,
sheet-flooded Euc woodland, fairly
disturbed, homesteads nearby

- many mygals in habitat, despite apparent
unimpressive nature

- found single ♀ Conothele on flooded flats, thick
silk in burrow, not too deep (>20 cm), wishbone
spider on sue flats (Angie?), more silk @
wishbone, several Zenippides - flush
cork door, sloping @ entrance (Arbuthnot)
door w/ twig lies, thick (~~Arbuthnot~~)
thinner door overlapping inner beveled
edge (Eucyrtops? or Aganippe?)

- ♂ idurpid in small Arbuthnot-like door

MCH 03-061

WA: E of Merredin, Great

Eastern Highway, 17 km W of Burrasoppin

S31°20.807 E118°19.804 Elev 340 m

5-27-03 - scruffy roadside scrub, disturbed

- both twig-lining + other Zenippides
on ~ open ground (Aganippe + others)

- small-bodied nematode (like small Tey) but
in open-ended burrows w/ thick silk,
small side chamber near bottom -
21 sps collected in side chamber

MCH 03-062

WA: E of Southern Cross on

Great Eastern Highway, 1 km E of

Yellowdine S31°17.325 E119°41.143

Elev 364 m 5-27-03 - sandy soils,
tall Euc + diverse midwood scrub - sloping
down towards saltpan - nice stable soils
up on flatter areas

- rich mygal site, although most stuff
spiders concentrated under / near scrub + tree
litter - many fewer trapdoor spiders
found in open flats

MCH 03-062

2 small-bodied idiopids
scrapped from under stuff in litter

door constructs unknown. 1 sp w/

thick silk, plain abdomen (Eurytrops?) -
both ♂'s & ♀♀ collected; other idiopid
w/ little/no silk, striped abdomen
(perhaps *Cetoxis*?)

- ♂ *Chenismiz* from litter, scraped, with
large lunar burrow sloping from surface
(extreme construct unknown)

♀ ♂ nematid w thick silted burrow w/
side chamber near bottom (like ♀♀s
from 03-061) - see jaws?

- medium dark ♀ nematid from
open ground, open burrow w/
very large opening, tapering
vertically, shallow (<15 cm), little
silk

MCH 03-063

WA: Goldfields Highway, 59 km

S of Menzies 530° 10.626 E 124° 10.331
Elev 380 m 5-28-03 - Euc/scrub woodlands,
flat, well-developed cryptogam soils

- small brycheids found scraping, 1 *Elmsly*
trapdoor found - presumably thick soil
@ sloping entrance, descending w/ depth

MCH 03-063

- 2 small *Cetoxis*
in messy sheetwads @ base of
live/dead shrubs

- 5B found 2 Δ species of *Aganippe*
scraps under scrubs, one of which is
Aganippe; large cordiform found
in open sandy soil, perhaps
Grays or *Anidiops*?
(Spider B)
- spider #A - see 03-065

MCH 03-064

WA: Goldfields Highway,

38 km N of Menzies 529° 26.603

E 121° 15.608 Elev 423 m

- Mulga? woodlands + understory scrub,
red sandy soils

- many spiders scraped from litter
under small trees + shrub - little
NAT history data available

- large ♀ *Chenismiz* in "snaking" burrow,
Tadpole ~ 30" from surface, winding
- ♂ ♀ brycheids under litter
- several *Aganippe* scraped, including
4 w/ brood

MCH 03-065 WA: Goldfields Highway,
N of Leonora 5-28-03

S 28° 06.103 E 120° 54.247 ELW

- Mulga woodland + grass; sandy soils + hardpan

- poor mygal diversity - some small idiopids, but none collected

- large hemesiid (same C spider #A C 03-063) fairly common in openings - 4 ♀♀ collected



- the "V" spider

MCH 03-066 WA: Goldfields Highway,
SW of Kambalda, Kambalda Nature Reserve

S 31° 15.081 E 121° 35.478 ELW 328m

6-29-03 - Eucalyptus scrub, large overstory trees, solid clay soils

- nice habitat, but mygal diversity fairly low. Centurus fairly common, webs associated w/ shrub bases

- many idiopid doors found abandoned on flats, but no spiders - single

Agelenopsis serged for under tree in litter

- ♀ Chenoscinus w/ open burrow, sloping downwards @ ~30° angle

- large black hemesiid in ~2" burrow, similar to "V" burrow, but closed chamber

more vertical, silk similar to V spider

- blackish serged for under small shrubs in litter

MCH 03-067 WA: Coolgardie / Esperance Hwy,
4.0 Km N of Widgeemooltha

S 31° 27.773 E 121° 33.851 ELW 320m

5-29-03 - open Eucalyptus woodland, clay flats leading down to small drainage

MCH 03-067

- 3 adult ♀ / in
from cork doors inset
Aganippe, some fairly deep
in clay, some from beneath
- bryceid scraped ♀ (here)
shrub litter / Chenistonia
in litter, snail's burrow

MCH 03-088

WA: Coolgardie / Esperance Hwy
46.5 Km N of Norseman S 31° 50.036
E 121° 39.081 ELW 330 m 5-29-03
open Euc woodland - well-developed
cryptogram soils

- dark "wishbone" spiders? open
loose silk @ entrance, forked - 10 cm
in side chamber w / heavier silk,
- spiders deeper, in burrow nest
furk w / less silk - common here,
Several ♀♀ collected
- ♂ bryceid scraped from litter

- 3 zygotes on open stabilized soil -
sunken cork-door Aganippe, turkey-dust
w / dark layers Aganippe, huge
floppy door w / sock in burrow -
Gnys villosus?

MCH 03-069

WA: Peak Charles NP
Peak Parking Lot S 32° 52.901
E 121° 10.301 ELW 270 m 5-30-03
- large granitic outcrop - walking c base - 60%
in places of soil without -
mostly scraping >> including bryceids,
Aganippe, ♂ ylgams? (black, hispid), ♀
of same

MCH 03-070

WA: Lake King / Peak Charles Rd
Coolgardie / Esperance Road
17.2 Km W of Coolgardie S 48° 4
E 121° 23.484 ELW 245 m
S 32° 40.705 E 121° 23.484 ELW 262 m
5-30-03 hard sandy soil adjacent to
small salt lake, tall Euc woodland
- G. willows large burrow in sandy
burrow - spile below "sock" 8/10 m
w / 11 burrow bottom

MCH 03-071

WA: Coolgardie / Esperance Hwy (Hwy 1),
38 Km N of Gibson S 33° 20.920
E 121° 42.721 ELW 196 m 5-30-03
- stabilized sand dunes, bryceids + bryceids rare scrub
small mammal 94 from slight, short burrow
w / little silk scraped beneath trees

litter

(MCH 03-072) WA: Stirling Range NP,
 Bluff Knoll - Trail to top ELW ~ 460m
 534°02.062 E 118°14.525
 1 June, 03
 NW of main trail - recent burns, not
 much litter on ground
 - found door-birds, ichneumonids on
 steep stable banks along ravine -
 perhaps *Eurytrops*? (dark, hirsute)
 - large black hirsute nematode in
 open burrow, openings flush w/
 ground surface
 - trees - building myrmec very common
 on rocky sloping ground on hill NW
 of main trail, ~ 1/4 mile from
 trailhead - termites up to 15 mm,
 some higher, silken w/ covering
 of small leaves + sticks - apparent use
 open burned ground - spiders using
 little silk in burrow making deep
 from entrance, not very deep
 narrowing C End (= *Crematogaster*?),
 ↳ these are *Neohomogaster*
 perhaps *N. stirlingi*

(21km W Highway 1)
 (MCH 03-073) WA: Stirling Range NP,
 Talyubenwp Car Park S 34°24.804
 E 117°57.470 ELW: 300-400m 1 June 03
 - walking small ravine adjacent to car lot,
 burned above road, but not so below
 - *Chenistomys* + *Eurytrops* along
 above road in ravine
 - *Moggridges* common in small patch
 of stabilized bank very close to lot -
 C shoulder of slope to ravine, some
 burrows (15 cm), doors hard to find, upside down
 (MCH 03-074) WA: West Cape Howe NP, W of
 Albany, on road to Shelley Beach
 below main cottage 2 June 03
 E 117°37.602 ELW: 135m C site close
 - collecting w/ BY Main C site of *Pseudoeurytrops*
 to holotype at site of *Pseudoeurytrops*
 - spiders small, in short (~10 cm)
 burrows in sandy soils in low
 areas w/ sedges - burrows open,
 very little silk
 - also *Tegulus* in area, more silk
 in burrows, large openings

(MCH 03.075) WA: Wilsdale - Nornalup NP,
road to Valley of the Giants, ~5 km N of South Coast Hwy

S34°58'96" E116°53'03" Elevation 143 m
3 June, 03

- small Teyl-like nematodes in
deep litter / debris accumulated @
base of large Tingle trees,
most lightly burned recently

(MCH 03.076) WA: South Western Highway,
~4 km S of YORNUP S34°5'22"

E116°11'15" 3 June 03

- Burkiz / eucalypt forest, poor soils
Chenopodium + other black Teyl-like
nematode scraped from litter

(MCH 03.077) WA: Shark Bay Area, Monkey
Miz NZone Trail Elevation ~ sea level

7 June, 2003

- ♂ ♀ imm from social cribellate usts
in small Acacia

(MCH 03.078) WA: Shark Bay, Denham, Dunes N
of Curram Park Elevation ~ sea level

7 June, 2003 - ♂ ♀ ♀ adult scutellid
hard-vested from Arctophila + other small

shrubs - stubby, "Musca-like"

(MCH 03.079) WA: Kalbarri NP, trail to
Mukhisan River @ the "4-WAY"

S27°37'936" E114°28'344" Elevation 210 m
8 June 2003 - well-shaded trail

thin small gully leading to river
- Eucynops common @ bases of shaded
rock faces in sandy soils - thick doors
of sand, slanting opening
- Aganippe sp w/ thin flap doors
in various situations, smaller than

Eucynops

- Carnegiea webs + open nematode
burrows seen, NOT collected

(MCH 03.080) NSW: "Scalloway" (Wishart home
property), ~4 km W of Gerringong,
Wilburvale Road S34°44'139" E150°47'446"
11-14 June, 2003 ✓ G. Wishart

- Mischocyttarus vobesri (tube spider) - A

- " hubbardi (open burrow) - B

- both M. vobesri & M. hubbardi increasingly dense in
forest fragments

- also Atrax vobesri under rocks etc w/ funnel
webs, Heteroglyphus illawarra under rocks w/
biscuit-like no silk; Stenocryptus w/

open round burrows, thin silk veil, leading
to open chamber w/ more silk

MCH 03-081 NSW: MINNAMURRIE Rain Forest.

Budderoo NP, W of KIAMA
S34° 38.073 E150° 43.657 Elevation ~ 150m
11 June, 2003 w/ G. Wishart

- beautiful older RE creek/river, w/
many stabilized banks, some areas w/
rocky banks.

- Graham collected *Misoplas gracilis* on
banks along creek, lot, large

flappy trapdoors, sloping entrance

- *Misoplas hubbardi* / *clecki* very common
in stages / lots w/ litter, open

burrows w/ leaves incorporated & lip

♂ Kiama on steep stabilize bank - scraped

- juv. *Stenurella* from short burrow
scraped (chaggs) / lot ♀♀ in burrow like 080

- several imm *Atrix* from under stuff -
clumped logs, rocks - messy silk "funnel"

web flat on ground under stuff

MCH 03-082 NSW: Saddleback Mtn., ~ 4.3 km
S of Kiama on main highway

S34° 41.957 E150° 48.375 Elevation ~ 370m
12 June, 2003, nice vegetation

part of Tony Gullagher property
G. Wishart, M. Gray

MCH 03-083 G. Wishart found ♂ Kiama

Ichneumonoides under rock, waiting to
wander? > much scraping for ♀♀ w/out
success. ♀♀ *Misoplas* in burrows,
entrance constructs not found

MCH 03-083 NSW: Hwy 68, ~ 2 km N
Stannwell Park S34° 13.364 E150° 59.397

Elevation ~ 135 m 12 June, 2003
w/ G. Wishart, M. Gray

Stenurella hoggi very common,
open ~ circular burrow openings w/
little silk leading to open forked

chamber w/ more silk

MCH 03-084 QUEEN: ~ 13.3 km W
of Hwy M1 (Pacific Hwy) ♀ *Mudgoota* on
Hwy 99 (Springbrook Road) S28° 08.077

E153° 17.159 Elevation 230m 16 June, 2003
- dryish rainforest below road, w/ rocky
ravine

- *Arctos*, perhaps 2 species? (1 thick door, 1
frilly thin?) on steep banks in ravine

- large ~~stagnant~~ *Ichneumon* w/ external
funnel web + vertical burrow under
downed log

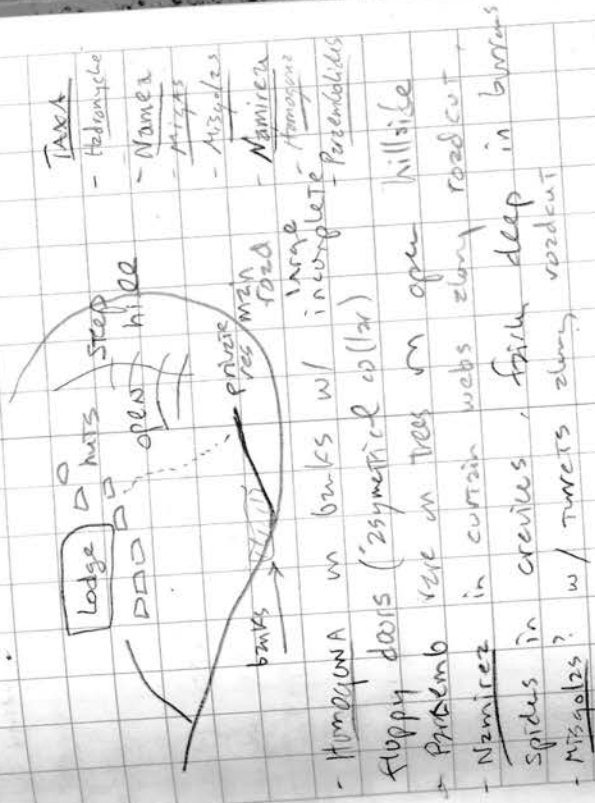
- dark Misgolas (red), w/ open burrows
w/ silken lip on steep banks in
litter - Aggressive spider
- Ixandrus under rocks/logs - little
silk, NO real burrow (see Raven description)

MCH 03.085) QUEEN: MT. COOT-THA PARK,
JC Slaughter Falls Picnic Area, W BRISBANE
S 27° 28.282 E 152° 58.249
Elev ~ 83m 17 June 03



- Migas w/ double-door pouches on small trees
on steep S-fairing bank, most buried, some
trees (less-buried) - NOT common, many
abandoned burrows
- small Misgolas?? common on S-fairing
creek banks post LOT #2 - open
burrow w/ small silk lip @ bottom
edge
- diplurids common on banks in
steep webs (Namirez)
- Arborealis w/ thick cork doors on
steep banks
- (SAC-TIDE) w/ thin (cork) flap doors
thick silk burrows - many abandoned

MCH 03.086) QUEEN: Lamington NP, VIC
BUNNA BULL Lodge 528° 11.608
E 153° 11.232 18 June, 2003



MCH 03.087) QUEEN: Lamington NP, BUNNA
BUNNA Trailhead, Rainforest Circuit Trail
+ Tullawellzi Track
528° 11.918 E 153° 11.230 18 June, 2003
Elev. ~ 800m

taxa collected: Homogon, Arborealis,
Bymniaella, Ixandrus, Namirez

- Byzantine trail near Northforks using relatively shallow chamber
- Exemias / Namer found in similar structures, under logs in moist forest, using little silk

MC4 03.088 QUEEN: Brisbane Forest Park, vic. upper end of Enoggera Res where Enoggera Creek enters S27°26-709 E152°54-329 19 June 2003
- 20 forest surrounding res - Misgones common, open oval openings in litter; small dark myr in open flush burrow w/ silk (not extending out) - spider in thicker silken sock @ bottom of burrow
- Namer in burrows w/ thin veil, open chambered silk pulling from sides of burrow

MC4 03.089 QUEEN: Amamoor State Forest, Amara Picnic Ground walking Track S26°21-701 E152°38-143 Elevation 920m 20 June 2003 w/ R. RAVEN
- nice rainforest along stream edge

MC4 03.089 Australobore in diploid short webs under logs / rocks
- Arborealis common on vertical barks w/ thick doors - diff species?
- scraped from litter - no door found
- (Exemias & fine brown; Namer & oxygrypha (Baz)) from litter on flat ground

MC4 03.090 QUEEN: Mt. Woodroonga Wilderness Area, vic Biggenden S250°25-912 E152°06-689 20-21 June 2003 w/ R. RAVEN
- hiking trail from trailhead to peak #, then saddle to dual peaks w/ microclimate towers
- collected ♂ Misgones? from small nest @ base of tree (nest in ground) near top of peak #1 - exposed, steep ground & open, fairly dry - many tree nests also found in tree, all empty
- 2 myrmecoleid (Oxygrypha?) near trailhead - open forested burn on shaded bank w/ litter
- Colletes? Misgones, Arborealis all common also, trail - Critus, Misgones collected

MCH 03.09.00

Heteromys

large & small

- spiders on ground in small

patches of a flat stabilized soil +

sparse litter; found by picking,

lightly scraping soil surface

- spiders in short burrows (4.5cm)

w/ door @ soil surface, door

also @ bottom of burrow

(embedded in soil), apparently w/

small "escape" hatch below bottom

door - several spiders that were

excavated found below bottom

door (outside of silken burrow) in

soil chamber

MCH 03.09.01

milpites Wash

W of Hwy 78

W 1140 47.531

W 1140 47.531

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W 1140 47.531

W 1140 47.531

MCH 03.09.01

CA: Imperial Co.,

milpites Wash

W of Hwy 78

W 1140 47.531

W 1140 47.531

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(MCH 03-094) UT: Grand Co.,
off Hwy 128, on Kokopelli Trail
N 38° 51' 00" W 109° 18' 23.6
Elev 1328 m 23 July 2003
- insects e night flying to
lantern

(MCH 03-095) CO: Eagle Co., Tipton
Campground White River NE, ^{low}
N 39° 31' 21.3" W 106° 25' 19.8" 3500m
29 July 2003 - opilimids + ♂ spiders e
night → pine / fir forest

(MCH 03-096) CO: Garfield Co.,
Grizzly Creek, off Glenwood Canyon,
N 08° 11' 70" N 39° 33' 41.0"
W 107° 14' 58.2 Elev 1800 m
30 July 2003 - ♀ *H. oregonensis* +
♀ *Xyris* in pine / oak canyon

(MCH 03-097) CA: Inyo Co., Bishop, N
end of town, near 395/G junction
N 37° 21' W 118° 24 Elev ~1200 meters
8-19-03
- *H. tarsalis*, ♂♀, mostly subadults,
in planted grass e edge of
parking lot

(MCH 03-098) CA: Mono Co., Hwy 108,
Lewitt Meadows Campground
N 38° 19' 9.82" W 119° 33' 140 Elev ~7200 ft.
8-19/22-03
- opilimids (*Neolimn?*) wandering e night
- various salts / philochromids from
trees
- scorpions under rocks

(MCH 03-099) CA: Mono Co., Hwy 108,
e jct of McKay & Lewitt Creeks
N 38° 18' 39.1" W 119° 35' 46.9 Elev ~8400 ft
8-22-03 - *Habronema kubozi* in short grass
directly adjacent to Lewitt Creek,
mostly adult ♂♀, mostly pure,
but 1-2 w/ hints of *Hemerisus*
(red / pink)

(MCH 03-100) CA: Inyo Co., Hwy 395 @ Red Hill, N
of Little Lake N 35° 59' 37.7" W 117° 55' 73.2
Elev ~3400 ft 23 Aug, 2003
- *Diapoda* in webs e tips of *Atriplex*
- *Digenia* in various shrubs

(MCH 03-101) CA: Orange Co., Laguna Coast
Wilderness Park, upper Laurel Canyon,
~2 mi. NW parking lot off Hwy

133, NE of Laguna ^{Recess} (117.7767)
N 33° 35.706 W 117° 46.601 Elevation 500 ft

31 August, 2003 coll. MC Hedlin

- 2 imm Aythya salosus? on steepish banks on N-facing side of oak-shaded ravine - bottom of Laurel Canyon >> small Batrachoseps more common here

- solpugid wandering on trail in morning (~1030 AM), full sunlight

(MCH 03-102) CA: San Diego Co., Deluz Road, 5 mi. N of Fallbrook on S13 / DL Road
Junct.; roadside just before mile 5 marker, ⁽⁴¹¹¹⁾ after (N) of Supple Ranch Road
N 33° 24.661 W 117° 7.389 Elevation ~750 ft

31 Aug, 2003 coll. MCH

- Aythya plumbea ♀, ♀ w/ spiderlings on low, shallow bank on N-facing side of road, roadside

- Agrostis sp. Also common here, ♀, ♀ w/ spiderlings higher on banks in litter
- *dozens of both Apo / Aythya left SITE >> large animals

(MCH 03-103) CA: Riverside Co., Inet.
Hwy 111 / Snow Creek Road, W of Windy Point
N 33° 54.48 W 116° 40.05
Elevation ~350 m 26 Sept, 2003

w/ car: Marie Olink, P. Blumer, J. Starnett, J. Ballard
- roadside dunes + flats, highly impacted
w/ night w/ blacklights - lots (100s) of sand scorpions, few (>10) Hedraeus
- other tenebrionids ++

(MCH 03-104) CA: San Luis Obispo Co., Hwy 58, 4.1 mi E of Santa Margarita
N 35° 25.018 W 120° 33.433 Elevation 1223 ft

11 Oct, 2003 [see also 03-051] w/ J. Starnett
- chanix, saliva, Eriogonum w-facing slope of ravine
- M - 20 cm burrow depth, slope ~45°
- fine-packed burrow walls, silk not obvious

- PM - 24 cm 1 cm wide, ~ same throughout, sloping L back from surface, curving variously
- Aythya

Agrostis sp. spiderlings - 180 mm deep, side channel of bottom 15-18 mm wide

- pupal case from Agrostis burrow

MCH 03-105 CA: San Benito Co., Pinnacles
NM, ravine by vehicle turnout, ~1.4
mi. beyond park entrance side, W entrance,
Elev 475 m N36° 29.145
W12° 13.24 11 Oct, 2003

- *Athyodes vivax* up ravine, under
large oak on east side up ~
100 yards from road, ~ NW facing
- not common, most towards base
of tree, very short turrets,
2pm, 2 ♀ collected, small individuals

- ♂ *Xerorhynchus* scirped from deep oak
little ♀ base of oak, very little
silk

- *Callosia* w/ silken-lip openings, little
silk in deeper burrows, opening
♀ and

MCH 03-106 CA: Santa Cruz Co., ~4.1 mi.
N Seguel Center on Seguel / Old
San Jose Rd

* see 02-121 11 Oct, 2003

- *Al. trophoides* in redwoods, above
ravine, shallower slopes, under
3-4 inches of litter, well-silked
short (10 cm) burrows

37.0363 -121.9946

MCH 03-107 CA: Santa Clara Co., road
to Henry W. Coe SP, 3.7 mi. E just
w/ Highway 101, E of Morgan Hill
N37° 09.122 W121° 35.189 Elev ~800ft.
17 Oct, 2003 * above Anderson Lake

- ♂, ♀, ♀, ♀ *Al. ~~catalinae~~ ^{arabicus}*, roadblocks,
shallow burrows, some silk in burrows

- 4 yr old chick fledgs on roadcut,
deep burrows (30 cm), well-silked pulling
silk from burrow sides, entrance ~ silk
turret w/ upper side flapping and entrance

MCH 03-108

CA: Monterey Co., W of

Arroyo Centro, road along Arroyo

Sec Coy, W of The Lakes 4921

N36° 14' 23.2" W 121° 30' 23.5"

Elev ~ 1000 ft. 12 Oct 2003

- ♂ *Alizotypus* - short burrow (40cm),

no silk evident → NOV SP.

MCH 03-109

CA: Santa Barbara Co.,

off Hwy 1, ~ 1 mi. W junction w/ Hwy 101

- *Gaviria* SP frontage (236m)

N34° 30' 700 W 120° 14' 201 Elev ~ 400 ft.

12 Oct, 2003 * see also 03-052

- ♂ *Hebestaris* on low roadside cut

- ♀ *Alizotypus* @ base of large oak

on hillside on S-side of

frontage road, N-facing slope

MCH 03-110

Mex: Baja California Norte,

old Highway 1 @ La Misión, between

Rosquito and Ensenada N32° 05' 739

W 116° 51' 076 Elev ~ sea level

1 Nov, 2003 *Hebronizius tarsalis* in

sparse grass near waterway, disturbed,

open sandy substrate, disturbed,

very high wasp densities - ♂ +

♀ only

MCH 03-111

CA: San Diego Co.,

N end of Imperial Beach, just N

of YMCA camp N32° 35' 113 W 117° 07' 908

Elev ~ sea level 9 Nov, 2003

- various Agave's collected on stabilized

dunes, must w/ iceplant, including

Apotrichus sinuatus ♀ / spiders, ♀ *Leuca*

MCH 03-112

CA: San Diego Co., ABDSP,

Indian Gorge, ~ 3 mi. W of Hwy 5-2, just

W of Trote Canyon N32° 52' 111 W 116° 14' 284

Elev ~ 1150 ft. 11-27-03 coll. M Hedlin

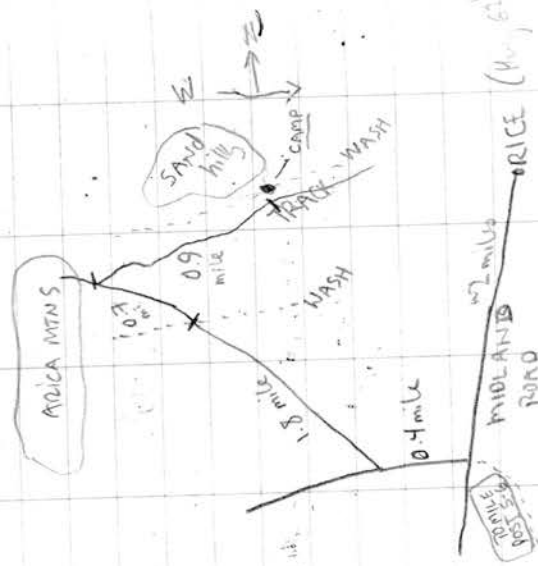
- ♂ *Neoraggephus* wandering @ night,

brood sand / gravel wash

* same @ MCH 02-206

MCH 03-113 CA: Riverside Co., valley between Palen / McCoy Mountains, ~3 mi. W Arlington Mtn N30°49'01G 114°58'617 ~800 ft. elev. 30-31 Dec 03 - adult ♂, ♀, many subadult Homalonychus under staff (cocks, dowered ironwood) in braided ironwood wash. ♂ Loxosceles ♂ Neognathographis in same situation, much less common.

MCH 04-001 CA: Riverside Co., NW end of Rice Valley, E side of ARICA Mtns. N34°02'679 W114°54'388 Elev. ~1000 ft. 2 Jan, 2004



MCH 04-001 ♂♂ Hebomastus SIGNATUS found on small pebbles in wash just below dune face. Animals knocked from creosote / Hydnoraceae / Ambrosia growing on dunes?? or on rocks themselves?? No other animals found in places where bushes had NOT been disturbed

MCH 04-002 CA: San Diego Co., 1.3 mi. W Guzman (country store) on Old Hwy 80 N32°51'247' W116°34'524 Elev ~3800 ft. 2-29-04 * SAME AS 02-033 - imm Hexurella under rocks - lots of recent rains, soils moist, almost saturated

MCH 04-003 CA: San Diego Co., Hwy 79, 0.1 mi. E Descanso N32°50'30.8" W116°36'37.8" Elev. 1034 meters 6 March, 2004 w/ C. Dink, J. Ballard - working oak litter in small ravine / creekside just N of highway, mostly N-feeding

MCH 04-004 CA: San Diego Co., ~1.3 mi.

W of San Juan (country store) on old
highway 80 N 32° 51' 12.5"

W 116° 34' 27.7" E 1155 meters

- working N-facing side of old road
that loops around ravine on S-side
of highway. - mixed oak woodland/
chaparral. most species collected
under rocks or sitting moist
litter - March 6, 2004 w/
C. Vink, I. Ballard

MCH 04-005 Mex: Baja California Norte,

W of San Quintin (road to Parque Volcanico, 5
km towards tower)

N 30° 29' 706 W 115° 59' 897 E 1155 meters

- Laguna Chaparral interface - 300 H. schlingensis,
100 Heliconias (further from H₂O, near shrub
(main road to Campo Ostinero)

MCH 04-006 Mex: BCN, W of San

Quintin on road to Parque Volcanico,

first crossing of Laguna on road

N 30° 30' 923' W 115° 59' 521

13 March, 2004

- Heliconias ♂ & ♀ common on upper edges
of Laguna flats, low veg, not c
high as low shrubs

MCH 04-007

Mex: BC

Laguna N 27° 16' 464 W 112° 54' 830

E 1155 meters 14 March, 2004

- Laguna-side habitat - dense palms -
throughout floor of large wet, volcanic
cliffs on either side. dominant veg
including honey mesquite?, various.

cholla, creosote, Lycium,

* turn off @ El Paderno Trail park - drive

W down arroyo

- rich ground ferns, water river stream -

Severe common, filistatids, Selagin, Hymenophyllum

spermatophytes, emblyptids, salpigrids

- Heliconias, divaricatus? ♂ in litter

200g from H₂O, Heliconias? ♀

Wet H₂O

MCH 04-008

BCS: off road to Canaan,

2.5 mi. W of Huey 1, S of Cd. Canastota

N 21° 42' 073' W 111° 33' 718 E 1155 meters

15 March, 04 - creosote, tree Fouquieria,

Lycium, Cardon, Ambrosia deltoidea

flats on dry plain

- rich observed diversity, but all subadult

- Pellaea, ♂ Heliconias (litter @ base

of tree ocotillo), Pellaea in

flats

MCH 04-009 BCS: Todos Santos
watercourse EAST of crossing @
Hwy 1 N23° 27.932' W110° 12.89'
Elev ~165 ft. 16 March 04
- ♂ Homalophilus under rock on hillside;
Hebrantius in veg along stream

MCH 04-010 BCS: Todos Santos, palm oases
N25° 27.324' W110° 13.501' Elev 113 ft
16 March 04
- Hymenitrix? ♂ near H₂O, in veg;
H. divaricatus ♂ in leaf litter @ edge
of openings

MCH 04-011 BCS: El Triunfo watercourse,
~1 km W of major tunnels
N23° 47.957' W110° 06.866'
Elev ~1500 ft. 3-16-04

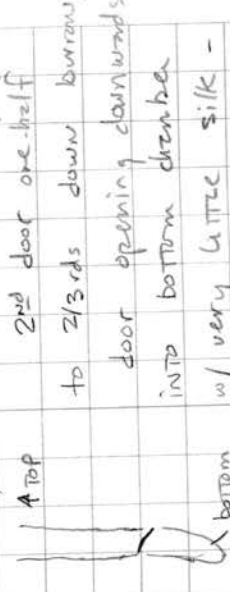
- various mecnids from under rocks
(Euzegon, emblypigid, & Homalonychus)
- lycosid from burrow w/ open
silken lip @ ground surface

- 2 small Ummidia from banks
along small stream (very little H₂O).
just below cemetery ⇒ see next
page (04-012) for notes on burrow

MCH 04-012 BCS: W of El
Triunfo, road to El Rosario,
Hwy 1 (southeast)
N23° 46.811' W110° 07.966'
Elev ~1500
ft. 3-16-04

- 2 Ummidia collected on S side
of small, deep-cut drainage that
parallels Hwy 1 (N-facing slope,
but NOT overly sheltered). Good
soils, stabilized on vertical faces,
NOT very rocky. Standard TDF

Cape vegetation -
- burrow structure unique - entrance scraped,
prevented to be door, thick silk in burrow proper



MCH 04-013 BCS: Hwy 286 (to San Juan de los
Rios), ~8 km SE of C. de Mezquitito
N24° 06.011' W110° 16.099' Elev ~360 ft
3-17-04 - well-stabilized granitic sand
flats w/ small buried drainages ⇒ very
"clean" undulating, NOT overgrown w/
shrubs or weeds

MCH 04.013 - found single subadult *Euclyptus* ?? on shady side of large tree *Trigonotis*, ~ flat ground, sparse litter, burrows shallow (less than 10 cm), silk *Chrysomelids* to dirt in "gumming" strands. Unmated w/ burrow door also collected.

MCH 04.014 BCS: road to San Javier from west side (Hwy 53), LA Bajada San Javier Ave N25° 34.661 W 111° 40.692 E W ~ 352 3-17-04 - small (immature) mygal (myrt??) collected from shady side of larvae on ridge top that parallels arroyo, stabilized soils, burrow scrap, flying string silk clinging to soil, burrow fairly deep (> 20 cm) - amblypygid under rock along with (well above water)

MCH 04.015 BCS: along San Javier river, near L2 Pozo de González N25° 45.493 W 111° 32.886 E W ~ 1000 ft 3-17/18-04 - camped along beaver dam, lots of H₂O now / this year - collected much in H₂O @ night - most *Arachnids* / *Araps* under rocks

MCH 04.016 BCS: road from San Javier to Comandante, W of N26° 00.086 W 111° 43.427 E W ~ 1400 ft 3-18-04 D. Wood collected adult ♀ *Hemilongchus* under rock @ road side

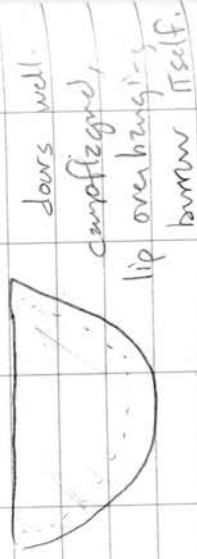
MCH 04.017 BCS: W of San Miguel Comandante, road to Villa Insurgentes (m 3 km W town) N26° 01.473 W 111° 50.848 E W ~ 590 ft 3-18/19-04 - camped in canyon below road, along palm-lined watercourse, somewhat trashy, H₂O not clean - amblypygids / *Scorpions* / *pholids* @ night along rock walls - *Hemiptera* *Elmidae* ♂♀ / *H. esilis* group ♂♀ in *receptaculum* litter in early AM

MCH 04.018 BCS: between San Javier & San Ignacio, ~ 20 km E of BALLENA N26° 24.004 W 112° 35.640 E W ~ 190 ft 3-20-04 - *Scorpions* (♂♀), ♂♀ *Hemilongchus*

MCH 04-019 BCS: San Ignacio / San Juanico
 Road, ~ 1 km up road to San José de Gracia
 N26° 34.066 W 112° 44.205 Elev ~ 3500 ft
 3-20-04 - Hummingbirds under
 rocks in / along drainage

MCH 04-020 BCS: road to Santa Ana
 Francisco, just before road begins
 up mesa, E of Hwy 1
 N27° 29.130 W 113° 11.455 Elev ~ 750 ft
 21 March, 04.
 - stabilized, ~ level ground, except for
 small ditch-sized drainages that breed
 thru flts. lots of cryptozoic
 soil.

- found 1 immature Ummidia, not
 collected; found 2 large dors plus
 burrows, but no spiders.



- dors well
 camouflaged,
 lip overhangs,
 burrow itself.
 - probably large Ummidia ??

MCH 04-021 CA: Riverside Co., Menifee Valley,
 Bradley St., 0.5 mi. N jct w/ Newport
 St., 1.4 mi W I-215 N33°41'568
 W117° 11.324 Elev ~ 1500 ft 4 April 2004
 w/ Steve Foldi
 - in non-native grasses of menizade
 drainage (like large dry canal)

- Habronattus pyrrhix, H. tarsalis,
Hediffurians, Pellenes, Xysticus

MCH 04-022 CA: Riverside Co., San
 Luis Rey River drainage, along Old
 River Road, 1.8 mi E Hwy 76 jct.,
 ~ 9.5 mi. W jct w/ I-15
 N33° 16.720 W117° 13.319 Elev ~ 200 ft.

4 April, 2004 w/ Steve Foldi
 - roadside short grasses
 - H. tarsalis, Hediffurians, H. schlingeri,
 ♀ Hediffurians group (not collected)

MCH 04-023 CA: Siskiyou Co., Very Springs

Creek S of Mt. Shasta City
N 41° 15.9' W 122° 19.4' Elev ~ 3300 ft.

17 July, 2004

* SAME AS 02-131

- collecting along stream, mostly
Linyphiids in webs

MCH 04-024 CA: Siskiyou Co., Big

Spring, Hart Road, N of
4 Corners, 41° 39.59' N 122° 23.15' W
Elev ~ 827 ft. 18 July, 2004
♂ *Phidippus* on house

MCH 04-025 TN: Johnson Co., Backbone

Rock Rec Area, ~ 4 mi S, Damascus (Hwy 133)
N 36° 55.688' W 81° 49.058' Elev ~ 2200 ft.
7 August, 2004 w/

L. Helini, J. Sterrett, R. Kenta, S. Thomas

- rock outcrops / boulder field on W side
A stream, across from ROUTE 133
SITE in campground, up steep hill

100-200 yards
- *Hypochilus poecki* - mostly subadults (few
adult ♀, more ♂) More adults high on hill in

larger outcrops. Good *Nentus bimaculatus*
high on hill - several ♂♂, ♀♀, more 1000 ft.
Phidippus on rocks? 3 adults

MCH 04-026 VA: Washington Co.,

Bramble Creek, S of Bramble Gap,
~ 1/4 mi N N Fork Holston River
Elev ~ 1500 ft.

7 Aug, 2004 N 36° 47.623' W 082° 01.372'

- excellent sandstone outcrops on W side
of creek, opposite road. *Hypochilus*
sparse, but more abundant? as progressing
N on outcrop. Mostly adult ♀, no ♂,
few subadults. 2 ♂♂, several ♀♀ *Nentus*
in boulder field below outcrop. 1 *Phidippus*

MCH 04-027 VA: Wise Co., above Guest
River, County Road 660, ~ 3 mi. S Co. Rd 658, Coeburn
N 36° 54.052' W 082° 24.881' Elev ~ 1900 ft.

7 Aug, 04

- dryish, exposed rocks, very limited
exposure - *Hypochilus* fairly
common, despite limited habitat
roadside (1/2 above road). Several
adult ♂♂, ♀♀, few subadults.

MCH 04-028 VA: Scott Co., Cliff Mountain,

Dry Branch, Co. Road 655, NE of
Duffield N 36° 44.967' W 082° 46.721'

Elev ~ 600 meters 8 August, 2004
- temperate rock outcrops along stream,
w/ boulderfields on both sides

MCH 04-028

20th 337 Hypochoeris + Nestora common, collected

MCH 04-029

TN: Sullivan / ~~Hickory~~ Co.
EAST MANA REC Area / new Bay's
MOUNTAINS PARK

N36° 30' 175' W082° 36' 599' Elevation ~ 1300 ft.

- Trail up shallow hemlock hollow
some boulder field along trail,
shallow slopes, Nestora very
common, shallow in boulder field
- no Hypochoeris seen

MCH 04-030

TN: Washington Co., up
Bumpus Cove, NE of Banner Hill / Erwin

N36° 08' 543 W082° 30' 473 Elevation 2050 ft.

8 Aug, 2004
- shallow rhododendron / hemlock thicket w/
small stream; some rocks, but no Nestora
seen w/ limited effort. Fumantaria
found => well-decomposed hemlock in Rhodod. litter
granite slope, small granite slabs beneath
hemlock - 9 adults collected, all in close
proximity (clumped), both on rock's
in litter / wood matrix

MCH 04-031

TN: Washington Co., Little
German Road, along Nolichucky River,
W of Hwy 81

N36° 10' 057 W082° 27' 987

Elevation ~ 1600 ft. 8 Aug, 2004

- Hypochoeris very common large rock
face on roadside, just up from river

MCH 04-032

TN: Union Co., Rock Creek
Rec Area, vic camp loop A 1/2 up Rock
Creek Falls Trail (Ft 148) N36° 08' 274

W 082° 20' 889 Elevation ~ 2300-2400 ft.

9 Aug, 2004
- Nestora 374s found in small boulder
field 1/2 mile from camp loops, up Rock Creek
Falls Trail, N-facing slope - spiders
fairly common

- Hypochoeris on small rock outcrops
along trail, common in limited
habitat

- Fumantaria found => several (18 adults) just
behind (S) of camp loop A, decomposing
hemlock on gently-sloping ground, not
clumped w/ in single log - collected at
night, no special behavior observed;
- 2 Fumantaria from up trail, gentle to slight
slope, decomposing wood w/ rocks, Fu in wood

MCH 04-033 TN: Carter Co., Ingram Branch

Road, ~1.5 mi. W 19E 137
N36° 12.839 W082° 08.737 ELEV ~2800'
9 Aug, 2004; small exposed (S-facing)
boulder accumulation along drainage @
roadside (NOT along 1° stream) - *F. n. n.*
common, but no *F. n. n.*
2 animals, weaver N-facing slope, under
logs (NOT extremely decomposed)

MCH 04-034 TN: Carter Co., Hwy 143, Road
Mtn, ~3 mi. N of Carvers Gap
(NC border) N36° 07.104°

W082° 04.905 ELEV ~4770 ft.
9 Aug, 2004 - N-facing boulderfield
above road in small cove; *Nestus*
very common (> 20 ind collected),
adult ♂, many ♀♀, ♀♀

MCH 04-035 TN: Unicoi Co., FR 230

Unzika Mountains, ~8 mi. E Hwy 395
N36° 08.374 W082° 17.023 ELEV ~4300 ft.
9 Aug, 2004 - small, dark
rocky overhangs @ roadside -
Nestus ♂♀ collected under small
rocks @ base, in crevices
* more boulderfield habitat
WST from here along road

(Cherokee NF)

MCH 04-036 TN: Washington / Unicoi Co.,

Rich Mtn., Clarks Creek Road, ~1/2 mile
S 1st bridge crossing, ~2 mi. S 107
intersection N36° 08.965 W082° 31.681
(@ parking lot) ELEV ~1640 ft. 10 Aug, 04
- boulderfield on E side of road, ~ W facing,
good, deep, large rocks, fairly moist; *Nestus*
common, 2♂, many ♀♀, immatures

MCH 04-037 TN: Greene Co., Bald Mtns.,

Round Knob Road, ~3 mi. S Greystone Road
N36° 04.792 W082° 41.151 ELEV ~2800 ft.
10 Aug, 04 - *Hypsiglena* common on roadside
rock outcrops, sugars collected
- boulderfield on very steep slope above
road, suboptimal habitat, too steep, too
much drainage (too dry) - *Nestus* deeper in
rocks many ♀♀, several ♂♂
Fumitana - 1 adult under rock

MCH 04-038 TN: Greene Co., Bald Mtn Road, ~6 mi

NE, just W of Hwy 70 10 Aug, 2004
N36° 01.704' W082° 43.518 ELEV ~3600 ft.
- rock accumulations near small stream in narrow
drainage - *Nestus* found near/under rocks near
stream, but not common, 1♂, many ♂♂, many
subadults

Fumitana - @ base of rising log,
near slope in drainage (4 adults)

(MCH 04-039) NC: Buncombe Co., Hwy 197,
 creek crossing, ~2 mi. W Cane River Gap.
 (E Burnsville) N35°48.2' S W082°21' 28"
 Elev ~3900 ft. 11 Aug 04
 * see also 01-167
 - Furnace in large downed beech.
 well-decomposed on sides, stringy wood/
 soil mostly seems best; 4 adult/
 1 in fard in log, not clumped
 - very shallow slope

(MCH 04-040) NC: Yancey Co., along Cane
 River, Wilson Road, ~2 mi S just
 W / Hwy 197

N35°48' 08" S W082°18' 42"
 Elev ~3050 ft 11 Aug 04
 - Hypochilus sheeri on roadside
 cliffs, E side of road, common

(MCH 04-041) NC: Yancey Co., Hwy 197,
 2.5 mi. S Burnsville (10E) N35°53.76'
 W082°19.15' S Elev ~3000 ft.
 - Hypochilus sheeri common on roadside
 cliffs, opposite river

(MCH 04-042) NC: Yancey Co., 19W C Spine Rd.
 Holler Road, S of Ramseytown Elev ~4500
 N35°56.97' W082°23.02' S
 11 Aug 04 - Hypochilus on roadside
 rock face

(MCH 04-043) NC: Yancey Co., Hwy 19W E
 Egypt - Ramseytown Vol Fire Dept.
 N35°59.52' W082°23.56' S Elev ~2360 ft.
 11 Aug, 2004
 - boulders on W side of road, ~200 yds
 S of fire station, up hill ~50 yds
Nectus common in small boulder field,
 including 137, many post, ♀♀; 3 species
 of Leptodactylus, Eleutherodactylus, Rhyacophila,
Phrynosoma

(MCH 04-044) TN: Cocke Co., FR 209 (Bush Creek Rd.)
 ~1/4 mi. E just W / Hwy 25/70/19 just N of
 French Broad River N35°55.965' W082°57.509'
 Elev ~1275 ft 12 Aug, 2004
 - Sheeri, fairly-exposed boulder field E roadside
Nectus uncommon, ~5 adult ♀♀, more immatures,
 no ♂♂ or post ♀♀

(MCH 04-045) TN: Cocke Co., Carson Springs Rd.,
 2 mi S just W / 25/70, S New Port
 N35°56.468' W083°15.403' S Elev ~1670 ft.
 12 Aug 04
 - small Hypochilus post on tilted rock
 outcrop on E side on road => immature
 sample complete, #Bulls incomplete

MCH 04-046 NC: Haywood Co., Flat Branch
 Road near Laurel Creek, E of Mt. Sterling
 N35°45.154' W083°05.367
 Elev ~1970 ft. 12 Aug 04
 Fumantia common (~10 adults collected
 in 20 min) in rotting hemlock
 adjacent to stream, shallow slope in
 rhododendron thicket

MCH 04-047 NC: Blount Co., Rich Mtn Road,
 1.5 mi. SW just w/ Tuckaleechee Road
 N35°39.046 W083°47.876
 Elev 1400 ft. 12 Aug 04
 Fumantia (6 adults, 2 imm) in
 rotting hemlock on shallow slope.
 4 adults found under single rock,
 in litter, ~ embedded

MCH 04-048 TN: Blount Co., Chilhowee
 Mountains, Old Welland Highway
 along Little River
 N35°43.988 W083°48.987
 Elev ~980 ft.
 -Hypochilus on rock outcrops
 above road, S-facing, above river
 on N side; common

MCH 04-049 TN: Morgan Co., Hwy 328,
 0.5 mi. E Dardale E Hwy 299 just
 N35°59.120 W084°32.869 Elev ~980 ft
 13 Aug, 2004 - Hypochilus (threlli?) on
 small rock outcrops on N-facing side of
 road above stream - really nice
 habitat down along stream in
 shaded ravine

MCH 04-050 TN: Marion Co., Tate Spring
 Cave, SE of Monteagle N35°10.548
 W085°48.248 Elev ~680 ft.
 15 Aug, 2004 (*~3 mi. NW of Marion Springs
 Exit (I-24) on southern frontage road)
 -looking for type locality of N. velantipes
 e. Hester, Stone Cave, which is supposed to
 be near Tate Spring (see T.H. Kirby paper). could
 not find cave in ~3 hours of searching,
 may have been destroyed by I-24 construction
 (*cave not listed by TN cave survey).
 -found entrance to Tate Spring, which includes
 nice cave passage => multiple levels & parallel
 passages along stream proper. Found
 trophomorphic Nectia in dark zone, perhaps
 30 yards from entrance. ♂ found falling
 from ceiling on dragging

MEH 04-050 TATE Spring Cave - 2 ♀

1 ♂, 2 imm found in webs in small rock breakdowns

- several phalangopods (long-legged) collected from walls, perhaps

Phalangopodes?

- Hypobius thorelli fairly common

on S-facing but shaded outcrops

just above Tate Spring Creek

N side of frontage road

MEH 04-051 TN: Hamilton Co., Raccoon

Mtn. ~~400m~~ Caverns N35° 01. 275

W085° 24. 970 Elev ~ 850 ft.

16 August, 2004 w/ J. Starnes, R. Kertin,

S. Thomas, L. Hedin, Penn Parlocky,

Steve Palitzky, Chris Palitzky (son of Steve)

- Tenneya Room - post, 3 ♀, 1 ♀ w/ millipede

1 ♀ w/ agave; Skylight Dome vic - post

2 imm ♀, adult ♀; Grand Lunge - 1 imm ♀

MEH 04-052

TN: Polk Co., just South

of Oree River & Thunder Rock Road,

off Hwy 64 N35° 04. 522'

W084° 29. 073 Elev ~ 1260 ft.

17 Aug, 2004 (T.R. Express Trail No 346)

- nice shaded Rhodo / hemlock forest; found

✓ Nesozen (under rock) + Bischofia; no

Tumantana, but search limited => should be here!!

MEH 04-053

NC: Cherokee Co., Brown Road,

N of Murphy, ~ 4 mi S Hanging Dog CG

N35° 06. 200' W084° 01. 985 Elev ~ 1460 ft.

17 Aug, 2004 - Hypobius on roadside

rocks

MEH 04-054

NC: Cherokee Co., Shuler Creek,

along Evans Road, above Burrell Mtn.

Road N35° 14. 542' W084° 13. 359 Elev ~ 1780 ft.

7 Aug, 2004

- streamside hemlock / rhodo forest

✓ Tumantana - 7 adults collected from rotting

hemlock on shallow N-facing slope

just up from stream; dispersed in logs

✓ Tumantana - 2 ♀♀ collected from spaces

in rotting logs

(MCH 04.055) NC: Cherokee Co., Hanging
 Dog Creek, ~ end of Boiling Springs
 Road N35°12.673 W083°58.431
 Elev ~ 2500 ft. 17 Aug 04
 - *Necturus* in shaded rockpools on
 N side of stream; habitat limited but
 did find ♂, many ♀♀, many
 immatures

(MCH 04.056) NC: Cherokee Co., Boiling Springs
 Road, ~ 5 mi. NE jct w/ Hanging Dog Road
 N35°12.566 W083°59.667
 Elev ~ 2400 ft. 17 Aug 04
 - ♀ *Necturus* w/ egg sacs - *Bishopella*
 on shaded N-facing slope; no
Fundulus, although habitat
 is decent

(MCH 04.057) NC: Cherokee Co., Beaver Creek
 Road, along Beaver Creek ~ 1 mi.
 jct w/ Hwy 19/74 N35°12.909
 W083°49.963 Elev ~ 2000 ft. 18 Aug 04
 - *Necturus* + *Bishopella*
 - decent *Necturus* populations on W side of creek
 opposite road; *epidax* common - 3♂, several ♀♀
 in short runs

(MCH 04.058) NC: Cherokee Co., Tatham Gap
 Road ~ 3 mi. N jct w/ Barton Creek Road
 (N of Andrews) N35°14.967 W083°48.924
 Elev ~ 3550 ft. 18 Aug 04
 - *Necturus* - small rock pile accumulations below
 large cliffs E roadside, S-facing, somewhat
 exposed, dryish, *epidax* deeper, presumably
 common

(MCH 04.059) NC: Cherokee Co., Junauska Rd,
 SE of Andrews (E Bus.) N35°10.558
 W083°46.081 Elev ~ 2200 ft. 18 Aug 04
 - *Necturus* in small rockpiles below cliffs on
 S side of stream, heavily shaded, good
Necturus habitat; few ♀♀ collected w/
 limited effort

(MCH 04.060) NC: Clay Co., along Fries Creek,
 ~ 200 yds NE of Fries Creek Picnic Area
 N55°05.763 W083°51.398 Elev ~ 2050 ft.
 18 Aug 04
 - *Necturus* + *Bishopella* - in logs
 - No *Fundulus*; despite solid reach effort,
 apparently good habitat / logs

MCH 04.061 NC: Macon Co., 1 mi S

Striding Indian CG N35°04' 309

W083° 31.551 Elevation ~ 3500 ft.

18 Aug 04

- Bridge 022 in rotting logs

in hemlock coves above stream;

excellent FUNGUS habitat, but

no animals found in/ recovered

search effort

MCH 04.062 NC: Macon Co., S of Cove

Mtns Lookout, along Huckleberry Creek,

Leathem Gap Road, 2 mi. N West

w/ Goshen Road N35° 19.007

W083° 22.412 Elevation ~ 3400 ft.

19 Aug, 2004

- FUNGUS uncommon (4 specimens)

on rotting sections (embedded) w/

large stumps in rhodo thicker

along stream; others in

small rotting logs on shell

slope in cove

MCH 04.063 NC: Macon Co., Cove Mtn.

Leathem Gap / Goshen Road N35° 17.791

W083° 21.996 Elevation ~ 2300 ft.

19 Aug 04

- roadside Hypocylus

MCH 04.064 NC: Macon Co., Bell Road,

4 mi. E Wayah Gap N 35°09.566

W083° 31.627 Elevation ~ 2100 ft. 19 Aug 04

- roadside Hypocylus

MCH 04.065 NC: Macon Co., Bell Road,

3 mi. E Wayah Gap N35°09.638

W083° 33.110 Elevation ~ 2800 ft. 19 Aug 04

- Bishopella in rotting logs

- no FUNGUS, habitat seemingly

good ???

MCH 04.066 NC: Cherokee Co., Watson Creek Road,

S of Hwy 19, SW of Topton

N35° 13.870 W083° 43.221 Elevation ~ 2600 ft.

19 Aug 04

- FUNGUS common in very limited rockpile

habitat along stream

MCH 04.067 NC: Swain Co., Nantahala River e

Nantahala, ~ 700 yds up App Trail on S side

of Hwy 74/19 N35° 19.828 W083° 35.545

Elevation ~ 1690 ft. 19 Aug 04

- FUNGUS (1) in non-hemlock rotting logs on slope in hemlock-dominated forest

MCH 04-068 NC: Macon / Seckon Co Line,
Charlottesville River e Bullpens Bridge
N35°00.962 W083°07.587 ELEV ~2400
20 Aug, 2004
FUMONTANA common (9 adults) in rotting
lemblock, TRAILSIDE NE of bridge,
shallow sloping hillside, shaded
rhodo forest.

MCH 04-069 NC: Transylvania Co., Hwy
64/281, ~200 yds E Toxaway Spillway
N35°07.459 W082°55.768 ELEV ~3100ft.
20 Aug, 2004 - Hypoxis on
large oak overtop on N side of
highway, S-facing

MCH 04-070 NC: Transylvania Co., below
Mtn, Cold Mt Rd., ~5 mi. NW Hwy 281
N35°09.665 W082°58.795 ELEV ~3200
20 Aug, 2004
- FUMONTANA - rotting lemblock on
shallow slope in shaded stream
forest, common (~10 specimens
collected)

MCH 04-071 NC: Transylvania Co., Hwy 281, ~1
mi. SE JCT w/ OWENS GAP Road
N35°11.697 W082°57.615 ELEV ~3430 ft
20 Aug, 2004
- NORTIA scarce under rocks in limited
habitat along ASTEMCAMP above road, fairly
shaded in Rhodo; 2? sp, put OTHER
FUMONTANA - associated w/ rocks,
both on ground and on rocks =>
seemingly very common

MCH 04-072 NC: MACON Co, Northholz River,
Dale Road, 1.1 mi. S JCT w/ 74/19 e Beechertown
N35°16.152 W083°39.951 8-21-04
* SAME AS 02-172 *

- NORTIA common in dryish, S-facing, bulldozed
above road, collected 1 adult ♂,
3p♂, 2p♀; many more ♀♀ seen,
but NOT collected

MCH 04-073 NC: Transylvania Co., Hwy 215, ~4 mi
S JCT w/ BRP N35°15.450
W082°55.224 ELEV ~3200ft? 8-22-04
- NORTIA uncommon in limited habitat, most
below road

- FUMONTANA on rock (1 specimen)

MCH 04-074 NC: Buncombe Co., Hwy 151,
 ~2 mi NE BRP Jct NE of
 Mt. Pisgah N35°26' 687
 W 082° 43' 348 Elevation ~3700 ft.
 8-22-04 SAME AS 02-1944

Nestus very scarce in good habitat,
 particularly ~200 yards above road
 in small ravine
 - no Fumivertebra - decomposing logs
 somewhat drabish??

MCH 04-075 NC: McDowell Co., Newberry
 Creek, ~1 mi NW Jct w/ Curtis
 Creek Road, N of Old Fort
 N35° 40' 735' W082° 12' 838' Elevation ~1900 ft.
 8-22-04
 - boulder field on SW side of creek
 just above small roadside turnout
 on left

Nestus common in excellent habitat
 above road, well-shaded hemlock/rhodo-
 forest, W of stream
 - no Fumivertebra - some good logs,
 but seemingly dry??

MCH 04-076 NC: Buncombe Co., Round
 Mt., Bat Cave Road, ~2 mi NE Jct.
 Hwy 9 N35°31' 883' W082° 13' 213
 Elevation ~2500 ft. 8-22-04
 - Hypochilus coylei on rock outcrop above
 (N) of road

MCH 04-077 NC: Polk Co., E Side of
 Cliffield Mountain, along Bright Creek,
 N end of Rogers Jackson Road
 N35°20' 725' W082° 16' 059' Elevation ~1200 ft.
 8-22-04
 - limited popⁿ of Hypochilus coylei?
 on rocks, N-facing side of stream
 in small shaded gorge

MCH 04-078 CA: San Diego Co., Palomar Mtn
 SP, vic Doane Pond & Doane Creek
 N33°20' 49' W116°54' 08' Elevation ~4700 ft.
 11 Sept 2004

2 ♂ Nestus? one under first piece of
 wood, another in bromeliad -
 both adults

04-079 CA: San Diego Co., ABDSP,
dunes, ~1/2 mi. NE of Hayden Springs
N 32° 42.67' W 116° 06.961' Elev ~ 1600 ft.
25 Nov, 2004 (* SAME AS 02-198)
- *Pellonius* ♂♀ basking on small granite
pebbles in large sandy wash;
gnaphosids under rocks;
solpugids under debris during
day

04-080 CA: San Diego Co., ABDSP, ~ 1 mi.
W mouth of Harper Canyon N 33° 07.437'
W 116° 15.029' Elev ~ 1300 ft.
(* SAME AS 01-229) Dec 31, 2004
- ♀ plectrognath collected under dead
agave in desert wash

05-001

05-001 CA: San Diego Co., Lake Mereno
31 Jan, 2005 coll. D. Maddison
♂ *Phidippus* collected in debris
c lakeside

05-002 CA: San Diego Co., ~ 2 mi. NW
of Pine Valley, along Pine Creek
31 Jan, 2005 - ♂ gnaphosid under rock

05-003 CA: Riverside Co., NW end of Rice Valley,
E side of Anica Mtns.
N 34° 02.564' W 114° 54.558' Elev ~ 1100 ft.
25-26 March, 2005 (* see ALSO 04-001)
- 9 *Hesperus* from *Ambrosia*; small tenets c night
on sand c oatmeal; *Cryptodinus* day-active
Rhigidomidas? flying in open dune w/
sparse veg

05-004 CA: Riverside Co., Chuckwalla Mtns.,
Edmund Jaeger Reserve, ~ 2 mi. SE
Eagle Mtn Rd EXIT off I-10 N 33° 40.959'
W 115° 26.347' Elev ~ 1400 ft. 26 March, 05
- *Eurybatus* in rocky granite canyon c
night, attracted to food / bread

05-005 CA: Riverside Co., NW side of
Saltun Sea, off Hwy 111 e Desert Beach,
c Desert Beach / SeaView Drive
Intersect N 33° 31.092' W 115° 56.176'
Elev ~ 200 ft. 27 March, 2005
Hebronotus tarsalis ♂♀, *Metazygia*,
♂ *Oxyopes* in saltgrass adjacent
to Saltun Sea; *H. tarsalis*
preferring more open edge habitat

MCH 05-006 CA: San Bernardino Co.,

along Mojave River, ~ 2 mi. SSE of Hesperia Lake PARK

N 34° 22.669 W 117° 14.458

Elev ~ 2900 ft 29 March, 2005

w/ R. Keith, St. Thomas, G. Blackburn,

M. Medina

- large sand/gravel plains adjacent to river, grading into grassy fields adjacent to flats

- collected *H. formosus*. *Hesperis* group

♂ on sticks / leaves under sycamore tree

- several ♂, 1 ♀ *Hesperis* *Kawini*

on sandy berm adjacent to flats, spiders most common in

small open patches w/ sparse vegetation

MCH 05-006A UT: Washington Co., ~ 2.2 mi S

Sand Hollow SP, S of Hurricane

N 37° 06.007 W 113° 22.730 Elev ~ 2800 ft

29 March, 2005

- teres on sand; sand cricket

@ 01:00 AM night

MCH 05-007 UT: Washington Co., along Virginia

River, vic. Jct. 2450 EAST / Riverside Drive

N 37° 05.948 W 113° 31.904 Elev ~ 2600 ft

30 March, 2005

- floodplain of Virginia => disturbed weed veg

- imm ♂ *H. tarsalis*; mostly immature

H. pygmaea => spiders uncommon

MCH 05-008 UT: Washington Co., Washington

City, 100 EAST STREET, ~ 1/2 mi. S Telegraph

N 37° 07.363 W 113° 30.534 Elev ~ 2700 ft.

30 March, 2005

- cottonwood gallery / disturbed

- ♂ *H. pygmaea* / *H. formosus* common; poor habitat

MCH 05-009 UT: Washington Co., 0.8 mi. E (N side)

I-15 exit #10 @ Washington City, on Middleman Drive

N 37° 08.257 W 113° 30.823 Elev ~ 2870 ft

30 March, 2005

- roadside oasis => thick saltgrass? above

small spring between Middleman Drive &

I-15

- *H. tarsalis* ♀ very abundant, most

in deep grass; 1 *H. tarsalis* ♂

- no other *Hesperis* seen ??

MCH 05-010 NU: Clark Co., Valley-C-Tire
SP, campground near Beehive Rock
N36° 25.022' W114° 33.186' (Antelope Peak)
Elev ~2200 ft 3-30-05
Eurybunus c night in sandy
marsh w/ adjacent sandstone

(MCH 05-011) NU: Nye Co., Ash Meadows
NWR, 3.3 mi E Hwy 373
N36° 25.512' W116° 21.95' Elev ~2100 ft
3-31-05 - saltgrass flats w/
sparse DBicklis => heavy salt crust
♂♀ H. tarsalis very common
c ~10 km, slightly windy

(MCH 05-012) NU: Nye Co., Hwy 95, 1 mi S
Beatty c (not w) Hwy 374
N36° 53.645' W116° 45.127'
Elev ~3300 ft 3-31-05
- sparse saltgrass habitat adjacent
to road (SW side), opposite
side of road from Amargosa River
♂♀ H. tarsalis very common
again, ~11 am, perfect temp

(MCH 05-013) CA: Inyo Co., Death Valley NP,
Hwy 190, 4.9 mi S Jact w/
Daylight Pass Cutoff N36° 32.250'
W116° 53.058' Elev ~200 ft 3-31-05
* SAME AS MCH 01-035
- saltgrass clumps grading to Scirpus
on edge of lake basin; H. tarsalis ♂♀
alive, despite warm 2 pm temps =>
probably easier earlier in day

(MCH 05-014) CA: Inyo Co., DUNP, Darwin Falls
N36° 19.674' W117° 30.869' Elev ~2500 ft
3-31-05 => Homalogramma, cyanoid, scirpus
collected under rocks in wash hike
to falls

(MCH 05-015) CA: Inyo Co., Seline Valley
Marsh N36° 41.743' W117° 49.974'
Elev ~1100 ft 1 April, 2005
- Mesquite / Scirpus / cleopod / saltgrass habitat
in marsh directly adjacent to road
♂♀ H. tarsalis very active / abundant in early AM
(~8am), warm, in drier salt crusts adjacent
to shrubs / saltgrass
(MCH 05-016) CA: Inyo Co., Seline Valley
N36° 40.808' W117° 47.059'
Elev ~1100 ft 1 April, 05

- melanoid beetles / cyanoid / A. dumosa

MCH 05-017

CA: Inyo Co., Saline

Valley Road, in valley

N 36° 40' 26.2" W 117° 43' 21.4"

ELW ~ 1200 ft. 1 April, 05

- *Hesperomys beecheyi* from

Ambrosia dumosa

* SAND

DUNES = 43.8 miles
from Hwy 190

MCH 05-018

CA: Inyo Co., Hwy 190,

8.2 mi E of Olancha

N 36° 21' 9.2" W 117° 53' 8.2"

ELW ~ 3600 ft 1 April, 2005

- saltgrass flats adjacent to Owens

dry lakebed, *Hesperomys* 28, subadult

pp / 87877 => perhaps 2 bit

only in season??

MCH 05-019

CA: San Bernardino Co.,

W side of Keeler Lake, end of

Lake Road @ Flowing Wells Gun Club

N 35° 18' 9.28" W 117° 54' 9.75"

ELW ~ 1900 ft. 1-2 April 2005

30 ft *Hesperomys* from dry saltgrass

MCH 05-020

- upland saltgrass patch in clumped

2122 Li flats

MCH 05-020

CA: Kern Co., Buena Vista Aguirre

Rea Area

N 35° 13' 6.01" W 119° 14' 9.57" ELW ~ 300 ft.

2 April, 2005

- *Hesperomys* ?? in small rock on dike => degraded habitat

MCH 05-021

CA: Kern Co., I-5, 4.7 mi. Hwy 46

N 35° 33' 6.54" W 119° 36' 0.45"

2 April, 2005

- small patch of saltgrass on top of dike,

w/ salt grass, otherwise AG converted

MCH 05-022

CA: San Luis Obispo Co., Morro Bay,

beach N of Morro Rock

N 35° 22' 4.34" W 120° 51' 6.79" ELW ~ sea level

2-3 April, 2005

- sand crickets @ oriented trail, open dunes

furrows from ocean, ✓ parse dune veg

on backside of grass-covered foredunes =>

Humming 308 p379 on open sand, #

nesting on small sticks, etc

Hesperomys 879 in various places

- no *Hesperomys* group ?? in hard scrub, in open conditions

MCH 05.023 CA: San Luis Obispo Co., Hwy 101,
1.4 mi. N Nipoma (exit 179) N35°03.272
W120°30.045 Elevation ~370 ft.
3 April, 2005 - *Hymenopertis* ♂♀ very
common in roadside (SW side), open
grass on stabilized sand substrate

MCH 05.024 CA: Santa Barbara Co., northern end
to Los Alamos, 0.5 mi. S JMW w/ Hwy 101
N34°45.028' W120°17.996 Elevation ~600 ft
3 April, 2005 - *Hymenopertis* / *Aschingeria*
in roadside open grass wch
in sandy but hard soils

MCH 05.025 CA: Santa Barbara Co.,
Santa Ynez River, along Hwy 246,
2.2 mi. E of Buellton @ Hwy 101
N34°25.548' W120°09.354 Elevation ~330 ft.
3 April, 2005 - south side of river,
grassy area above floodplain
- *Hymenopertis* ♂ on small pebbles along
old track; *Hesperifolius* ♂♀ common
on barren soils in grass, *Hesperis* ♂♀
closer to scrubs; *Hesperis* ♂♀
less common, found on small patches
of sandy soil.

MCH 05.026 CA: Imperial Co., Hwy 52,
just east of ABDSP border
N32°46.946 W116°05.686 Elevation 915 ft
16 April, 2005 Coll. Dean Leavitt
- ♂ solpugid wandering c roadside
(creosote- scrub)

MCH 05.027 CA: San Diego Co., ABDSP,
Bow Willows Campground, N32°50.513
W116°13.545 Elevation ~960 ft
16 April, 2005 coll. MCH
- ♂ solpugids common wandering on
sandy / gravel soils in creosote scrub
next to mesquite thickets,
♀ sand roach; *Euphorbia* very common,
♂ collected; ♂ plectrenid wandering

MCH 05.028 CA: San Diego Co., ABDSP,
Carrizo Wash, ~1/2 mi. SW Hwy 52
N32°50.660 W116°12.300 Elevation ~750 ft.
17 April, 2005
- various hymenopterans collected c desert
boulder (*Hymenopertis*); mebid on
ground

(MCH 05.029)

CA: Siskiyou Co., Salmon River, Matthews Creek CG

N 41° 11.225 W 123° 12.859 ELEV ~

1750 ft. 10-12 July, 2005

- oak forest grading to Douglas fir

pine/cedar on slopes, directly adjacent to river

- Hypochilus kistini on large rock from both sides of river, sheltered spots

- opilionids (Protolopha) in oak canopy, both night & day

- beetles along river shore

- v. pichia (Pimpla, Cybazine) under rock in forest

(MCH 05.030)

CA: Siskiyou Co., Cecilville Rd

7.4 mi. W crossing of PCT (Carter Meadows Summit)

Sixmile Creek? N 41° 13.67 W 123° 01.011

ELEV ~ 4000 ft. 13 July 2005

on N side of highway

- Hypochilus common on W side of stream along trail that carries far road; N-facing outcrops

(MCH 05.031)

CA: El Dorado Co., Hwy 50,

E road to Pacific House across from Pacific Hwy

N 38° 45.579 W 120° 31.174 14 July 2005

~ 3600 ft. - p37 ~~Atkinson~~ Argyrodes

base of tree scraped from N-facing bank of highway

(MCH 05.032)

CA: Tuolumne Co., Hwy 108,

1/2 mi. W Sonora Pass, along

Deadman Creek N 38° 20.11 W 119° 39.07

ELEV ~ 9300 ft. 16 July, 2005

- Atypoides ~~argyropus~~ ^{argyropus} - low tunnels @ base of large granite boulder, N-facing, on South side of creek, slopes

(MCH 05.033)

CA: Mono Co., Hwy 395,

1/2 mi. SE of Bridgeport, Road to

Cunning Meadows - localities N 38° 15.011

W 119° 13.123 ELEV ~ 6500 ft. 17 July, 2005

- salt crust flats - no Hibernatus, despite perfect conditions (early in AM, cool); Bembidion active

(MCH 05.034)

CA: Riverside Co., ~ 1/2 mi. W

Hwy 395, Hwy 395 x 19 mi. N just W of

I-15 N 34° 40.506 W 117° 27.122

ELEV ~ 2700 ft. 18 July, 2005

- Diaperia signata in desert scrubs - Anthrenus, Psoralea

N of Shadow Hills,

N of Adelanto

Garland County

MCH 05.035 ARK: Forest Hills Trail off Hwy 7, 1.2 mi. E of Hot Springs

Spring Street N34°31.89' W088°02.325' Elev. 755 ft.

MCH 05.035 ARK: Garland Co., Hwy 7, Forest Hills Trail, 1.9 mi. E of Hot Springs

Street N34°31.89' W088°02.325' Elev. 755 ft. 10 August, 2005

w/ S. Thomas, J. Starrett

- mixed pine/deciduous forest on N-facing hill, medium slope, w/ hard igneous rocks & surface (chert, rhyolite), some moisture under rocks, litter layer, but still pretty dry

- looking for *Vespa arkansensis* (larvae) near type locality & Hot Springs. found two??

different taxa, one darker larvae, one smaller & paler (smaller animals could be immatures, but unlikely) - smaller species less common

found under rocks (small to medium-sized), in deeper litter, or in small rock piles, deeper rocks. Some also found in /

off

2 species of *Leiothrum*

MCH 05.035 collected, large rust-colored specimen - smaller-bodied, rounder, paler specimen - on veg, on litter, under rocks

- large *Tenebrionid* (?) common under rocks; *Calyptaria* also common

MCH 05.036 TN: Perry Co., Human Cave and vicinity ~ 4 mi. SE of Linden

N35°34'50" W087°47'29" Elev. ~ 500 ft.

11 August, 2005 w/ ST, JS, L. Kellin, Delta Hotel, Robyn Keith

- cave slopes down, quickly to dead end, except for very tight crevasse => nothing found in limited search area

- *Undulys*?? found under limestone slabs above cave

MCH 05.037 TN: Wayne Co., Spear Hollow, W of Vicksburg, S of Clifton

N35°19'54" W088°00'19" Elev. 500 ft.

11 Aug, 2005

- looking for WS cave (top far west), collected various specimens under limestone;

* Nice *Trogod* spider habitat

MCH 05-038 TN: Wayne Co., Walker Springs
Cave, ~ 1/4 mi. W of Walker Springs

off Timin Rd., 2.8 mi W Hwy 114
N35° 19.760 W87° 59.800 Elev ~ 600 ft.

11 Aug, 2005

- cave opens on west side of small
hollow, ~ 200 yards up from house
(first hollow W of spring, which is
along road)

- working passages w/in 50-100 yards of
entrance ~~area~~ area, maze-like cave
- Bishoppella common under rocks in various
places, fewer on walls; neotoma ^{signs} ^{seen} w/
in low places, several ♀♀ w/ eggs

MCH 05-039 TN: Lawrence Co., Dry Creek Sp.

N35° 14.730 W 087° 20.910 Elev ~ 900 ft.

11 Aug, 2005 ~ Leiodontium w/in

e night

MCH 05-040 TN: Lawrence Co., Bromley
Cave, ~ 3.4 mi. S Westport

N35° 06.160 W087° 32.460 Elev ~ 600 ft.

12 Aug, 2005

- in Bromley cave, ~ 50-75 yards past
entrance, entrance still visible
linear passage w/ stream

MCH 05-040 - collecting Bishoppella along
days, above highway / mud line.
Bishoppella concentrated in under small
stones, some new rock pool

MCH 05-041 AL: Limestone Co., along
Elk River, Hatchery Road, W of
Elk River Fish Hatchery, 0.5 mi. E of
Hwy 99 N34° 54.272 W087° 04.422
Elev ~ 600 ft. 12 Aug, 2005

- collecting near type locality of Undulus
formosus (Lemmon). S-facing hillside, small
limestone exposure along ridge top,
small limestone steps in litter on
steep hillside. Undulus very common.
~ 20 collected in less than 15 minutes,
under dry rocks in litter Also
Voronox

MCH 05-042 MS: Tishomingo Co., Tishomingo SP
N39° 36.595 W 088° 11.511 Elev ~ 500 ft. 12 Aug, 05
- piliferous rock v. v. gritty area

MCH 05-043 MS: Tishomingo SP, N34° 36.325
W088° 11.563 Elev ~ 600 ft.

05-043

continued

Crosbyella; lots of good logs, some logs worked => nothing! perhaps different log sizes in vldgs, different log species??

AL: Winston Co., Bankhead Natl Forest, 6.3 mi. E Jct Hwy 195 on County Road 60 & Rabbitown N 34° 16.908 W 087° 24.993 Elev 300 ft. 13 Aug, 2005 - mixed pine/hemlock/dead trees forest exposed w/ small drainage, some rocks (sandstone); Crosbyella found, -few under rocks, most under single pine log decomposing

AL: Jefferson Co., OAK Mt SP N 33° 19.419 W 086° 45.672 Elev 650 ft. 13 Aug, 05 - collecting in low hills w/ mixed pine forest just S of picnic area #1 of lake; no rock - found Crosbyella sp? associated w/ rotting logs on small vegetation - many individuals (~6 plants, 6 individuals) note all in same log (deep red rot) found in other logs scattered

AL: Cleburne Co., Cheaha

SP, vic Campground #1 N 33° 29.186 W 085° 48.747 Elev 2200 ft. 13 Aug, 2005 - rock piles, Telus behind (E) of campground; Watsonia ardeni 34 common in small rockpile, Crosbyella? most common in rockpile, small rocks - no Crosbyella seen??

AL: Cleburne Co., Hwy 281, 5.4 mi. S of Jct w/ Hwy 431 N 33° 31.797 W 085° 44.740 Elev 1400 ft. 14 Aug, 2005 - mixed forest Crosbyella? under logs & rocks, slope on W side of highway

AL: ~~Jefferson~~ Houston Co., Omusee Creek, ~3 mi. W Pleasant Plains, off CR 22 N 31° 18.581 W 085° 16.282 Elev 260 ft. 14 Aug, 05 - sandy soil ravines + bluff above creek along road

Cyclocarpus scattered from bank

Bishopella

MCH 05-048) OMUSEE CRATER -
marginz under smallish logs, both
sides of road

MCH 05-049) FL: JACKSON CO., FLORIDA

Caverns SP, vic campground
N 30° 49.250 N W 085° 14.610 W E W ~ 100 ft.
14 Aug 2005 - mayflies + outflow
at night; Spiders tube on bottom steel
tree

MCH 05-050) FL: JACKSON CO., FLORIDA

Caverns SP, along Bluff Trail.
near caverns N 30° 48.634
W 085° 13.612 E W ~ 100 ft. 15 Aug 05
- Bishopella marginz under logs
along trail, fairly common, 1st
of various sizes

MCH 05-051) FL: Liberty Co., BRISTOL Twp.

20, just NE of Appalachee River
N 30° 25.960 W 084° 59.014 150 ft
15 Aug, 05
- rocky habitat on uplands above
found Bishopella, all in 1 reddish log -
along near roots. Nicer habitat north
- did not find any

MCH 05-052) GA: Decatur Co., CLINCH CAVE

vic entrance, Old Whigham Rd, 0.5 mi E
N 30° 54.398 W 084° 25.274 E W ~ 210 ft
15 Aug 2005 - looking for Bishopella, no luck. Cave
is ~ vertical, could not access deeper. rare did
find 2 species of westies (Bishopella + Gasteria?)
along cave walls in entrance; no opilions found
under logs on surface

MCH 05-053) GA: Stewart Co., Providence Canyon SP,

trail from interpretive center N 30° 04.109
W 084° 58.867 E W ~ 700 ft. 16 Aug, 2005
- decent surface habitat, but no Bishopella
or Gasteria - did find Varanus, saw Spiders
tubes

MCH 05-054) AL: Jackson Co., 2.7 mi. W of Clay

on Dug Hollow Road N 33° 04.840
W 086° 40.095 E W ~ 700 ft. 16 Aug, 2005
- looking for a cave, without success. did
find habitat w/ limestone slabs (stretches), found
logs. found 5 Bishopella under large rocks
one in downed log

(MCH 05.055) AL: Marshall Co., Hwy 227
 4.5 mi. E jct w/ Hwy 431 in
 Gunterville N34° 21.790
 W086° 13.543 Elev ~ 800 ft.
 17 Aug, 2005 - rocky N-facing slope
 & roadside; found *Bishopella* under
 rocks

(MCH 05.056) AL: Marshall Co., Bishop Cave, in
 Bishop Mtns. N34° 27.460 W086° 21.940
 Elev ~ 1000 ft. 17 Aug, 2005 - searched
 entrance zone of cave - *Bishopella*
 common under rocks, fewer as
 one gets deeper into cave; lots of
 nesting barn

(MCH 05.057) AL: Jackson Co., roadside cave,
 Hwy 10, 1.8 mi. N of Garth
 N34° 45.035 W086° 18.651 Elev ~ 500 ft.
 17 Aug, 2005 - roadside cave, E
 side of road, near residence - sheltered,
 mostly saplings; collected *Bishopella*
 in small crevices along walls of
 side passage, limited habitat
 NOT common

(MCH 05.058) AL: Jackson Co., McFarlan Cave, head
 of Clear Creek, N of Garth
 W086° 18.082 Elev ~ 700 ft. 18 Aug, 2005

(MCH 05.059) AL: Jackson Co., cave along Clear Creek,
 N34° 46.059 W086° 18.268 Elev ~ 700 ft. N of
 Garth
 8 Aug, 05 - cave on N side of road,
 ~ 1/4 mile below main house - old fallout
 shelter. Searched for ~ 15 minutes,
 found single *Bishopella* on wall in
 moist notch

(MCH 05.060) AL: Jackson Co., Salt River Cave
 N34° 59.323 W085° 58.487 Elev ~ 550 ft.
 18 Aug, 2005 - entire passage w/ either
 sand, gravel, or mud bottoms - limited
 ground habitat for *Bishopella* - found none.
 Nesting barn common on ceiling,
 small notches along walls. No *Tolp*??

MCH 05-061

TN: Franklin Co., Roark's

Cave Road, 1.6 mi. S of jct of
 E/W road, N of Seawanee N35°13 103
 W085°55.490° E/W ~1900 ft.

18 Aug, 2005
 on N-facing ravine, N side of escarpment
 - found *Bishopella* beginning under rocks
 in piles on surface; also dark small
lanizetes (*Undulus*?) ; *Sebacum*, *Liodendroides*
Eribomys

MCH 05-062

TN: Franklin Co., W.A.

Cave, N of Seawanee N35°13.790
 W 085°55.240 E/W ~1100 ft. 18 Aug, 2005

Jim + Steven battled through 20' of
 guards to reach the interior. We collected
 the other to the upper rock wall
 defeated the goblin again. We collected
 fire breathing *Tobus* (3' soft swills (action
 the wall/ceiling in the cave).

MCH 05-063

TN: Hamilton Co., Raccoon

Cave N35°01.270 W085°21.520 E/W ~800 ft.
 19 Aug, 2005

- w/ Steve Pelzky, Patti Pelzky

- 34 20' *Nepenthes* *furiosa* via Skidlight
 Done, limited sketch effort
 2 ft collected, 1 *Bishopella*

MCH 05-064

TN: Grundy Co., Wonder Cave.

N of Monticello N35°16.400 W 85°55.990
 E/W ~1100 ft. 19 Aug, 2005

Cave with lots of easily accessible
 wall surfaces. *Tobus* easily collected off
 of wall in plain sight, ie not under
 rocks or in crevices. 10 individuals
 collected.

MCH 05-065

GA: Oade Co., vic SITTON'S Cave,

Cloudland Canyon SP, E of TRENTO
 N34°51.580 W 85°29.090 E/W ~800 ft.

19 Aug, 2005

SITTON'S cave itself seemed too muddy,
 However, minimal search effort.
Bishopella easily collected under
 embedded rock gills outside of the
 cave. 14 individuals collected in 15 min.

MCH 05-066

TN: Anderson Co., vic Morris Dam

Cave SW of Morris Dam N36°13.227
 W085°05.701 E/W ~10 ft. 20 Aug, 05

Bishopella under rocks in rock pile, steep E-facing
 slope above river, *Hypobolus* on rock
 outcrops; *Liodendroides* (3 sp) *Trilobite* in
 low veg; *Sebacum* under rocks

4

MCH 05.067

TN: Grainger Co., Japan

Mtn Road, on Clinch Mtn., 1.1 mi.

N Hwy 1/11W N36° 14.679

W 083° 37.917 Elev ~ 2000 ft 20 Aug 05

- rock outcrops w/ small rockpile

on S-facing side on Clinch Mtn

found *Hypochilus*: species uncertain

- small *Leucispora*, *Erebomastix*?, rare

(1 individual)

MCH 05.068

TN: Hancock Co., Hwy 31

Clinch Mtn, 0.9 mi. S of jct Hwy 131

N36° 24.780 W083° 13.423 Elev ~ 1800 ft.

2 Aug, 2005 - N-facing, rocky

grotto in deepish roadside ravine

Hypochilus on rocks; *Bishyella*

common under rocks, fairly

moist

MCH 05.069

TN: Hancock Co., Hwy 31

Powell Mtn, ~~mi 3~~ 2.2 mi

N36° 33.309 W083° 4.335 Elev ~ 1900 ft.

21 Aug, 05 - N-facing

of Powell Mtn. habitat limited

single *Thromastix* under

log, *Lioctenoides* under rock

MCH 05.070

TN: Hancock Co., Hwy 63, 0.9 mi.

S Mulberry Gap

W083° 14.787 Elev ~ 1700 ft 21 Aug 05

N-facing rocky hillside above road,

dryish; single *Thromastix*, wing

Sebacen, *Nesioecia* found in

moist rockpile

MCH 05.071

VA: Lee Co., Cave Springs Rec, off

Hwy 621, NE of Petersburg Gap

N36° 48.097 W082° 55.250 Elev 1650 21 Aug 05

- rockpile / hemlock forest just E of

cave opening; *Sebacen*, *Nesioecia*, *Thromastix*?

under rocks; *Thromastix* uncommon,

1 under a log

MCH 05.072

VA: Scott Co., Allen Cave, E of

Natural Tunnel SP N36° 42.835 W082° 43.80

Elev ~ 1650 ft. 23 Aug, 05

- N-bulging rockpile (w/ins 2 feet of

artificial) in cave, *N. carteri*? in

rock pile in pit above cave

05-073 VA: Scott Co., Hwy 23/58/421
 ~ 1/4 mi N 58/421 E jct
 N36° 38.049 W082° 33.269 E6W ~ 1200 ft
 22 Aug, 2005
 - rockslide w/
 rock outcrops on W side of highway
 N-facing aspect; Hypochilus on
 large outcrops; Neotoma, Sebacina,
Syringaster/Trematostoma (?) under
 rocks in moist pile

05-074 VA: Washington Co.,
 Bannock Creek, Soft Branch Gap
 (see also 04-026) 22 Aug, 05
 N36° 47.535 W082° 01.145 E6W ~ 1500
 Rock piles on other side of creek
 with several laminated epiphytes
 Mostly immature, few older

MCH 05-075 TN: Hawkins Co., Hwy 192 NW
 of Van Hill N36° 23.661 W082° 41.115
 E6W ~ 1200 ft. 23 Aug, 2005
 - g-facing steep hemlock slope with
 rock outcrops, some rock slide; no Hypochilus?
 dark Chimney, killing large not possible

MCH 05-076 TN: Hawkins Co., Early Branch Road,
 Camp Mtn, E of Hwy 347 N38° 24.303
 W082° 48.669 E6W ~ 1200 ft. 23 Aug, 05
 - N-facing steep rhodo/hemlock gorge
 w/ good rock piles, moist; no
Chimney or Hypochilus, Sebacina
 only

MCH 05-077 TN: Sullivan Co., Holston Mtn., Holston
 Mtn Rd., 6 mi E jct Hwy 19E/37 N36° 25.968
 W082° 10.021 E6W ~ 2200 ft. 23 Aug, 05
 - beautiful natural bowlfield in - flat
 ground, 2° growth forest, middle Chimney,
Bishopella & Neotoma common under rocks w/
 deep leaf litter accumulation - E side

MCH 05-078 TN: Carter Co., off Hwy 167/321,
 W of Watauga Lake N36° 18.510 W082° 08.392
 E6W ~ 2100 ft. 23 Aug, 2005
 - Hypochilus on rock outcrops S of
 road; Bishopella + Neotoma under
 rocks & deep in hemlock/wooded
 forest

MCH 05.079 NC: Caldwell Co., Globe Mill Rd.
0.7 mi E Hwy 90 N36° 01.858 W081° 40.32
Elev. ~1500 ft. 24 Aug, 2005
- steep ravine below road, w/ rock
- Bishopella under rocks & logs

MCH 05.080 NC: Avery Co., Edgemont Road, E
Wilson Creek, 2 mi E Hwy 221
N36° 05.432 W081° 48.153 Elev. 2500 ft.
24 Aug, 2005 - Hypochilus on leaf
outcrops NE of bridge, above road
- Bishopella uncommon under rocks in
bog; Nerita, Silene common

MCH 05.081 NC: McDowell Co., Hwy 221, 0.5 mi.
N Linville Caverns N35° 35.901
W081° 56.346 Elev. 2400 ft. 24 Aug, 2005
- nice hemlock boulderfield on S side
of highway, opposite creek, NE of small
pullout; Bishopella, Silene / Thermopsis
Nerita, Silene under rocks & logs;
Bishopella fairly scarce?
no Fumaria??

MCH 05.082 NC: Mitchell Co., Black Mt. CG,
along South Toe River N35° 45.174
W082° 13.277 Elev. ~3200 ft.
24 Aug, 2005 - Bishopella common
under ~ intact hemlock logs in
rich hemlock forest behind (N) of
campground; no Fumaria??

MCH 05.083 NC: Yancey Co., Mount Mitchell SP,
observation tower parking lot N35° 46.070
W082° 15.862 Elev. ~6500 ft. 25 Aug, 2005
- Silene under rocks in fill below
parking lot, NE side

MCH 05.084 NC: Buncombe Co., BRP C. Orens,
0.3 mi. E. Jct. Hwy 74-A N35° 33.849
W082° 29.270 Elev. ~2300 ft. 25 Aug, 2005
- fairly low elevation - mixed forest,
a few artificial (roadfill) rocks, damaged
logs; Silene very common, 4 Bishopella
(3 under small rocks, 1 under log), no
Silene / Thermopsis

MCH 05.085 NC: Buncombe Co., Holland Hwy -
 Dogwood Road, S of Newfound
 N35°36.048 W082°43.553 Elev ~ 2400 ft
 25 Aug, 2005
 ~ disturbed forest w/ nven, lots
 of treeh, *Hypocidus* in limited
 rock exposure; *Bishopella*, *Sebacia*
 under small rocks along stream in
 rhodo thicket

MCH 05.086 NC: Haywood Co., Hwy 209
 below Hebo Mountain N35°41.213
 W082°54.371 Elev ~ 3700 ft 25 Aug, 2005
 - steep slope w/ large rocks, rock
 outcrops; *Hypocidus* common; *Bishopella*,
Nematus, *Sebacia* under large
 rocks

MCH 05.087 NC: Haywood Co., Germanville Rd,
 vic W of Junaluska
 12.149 Elev ~ 3400 ft

forest patch
 forest edge
Sebacia
 stream
 no *Furnaria*

MCH 05.088 NC: Haywood Co., BRP E Village of
 Spunkook Newlook N35°26.020 W083°02.346
 Elev ~ 4300 ft 26 Aug, 2005

MCH 05.089 NC: Swain Co., GRSMNP, Straight
 Fork Road, along Raven Fork Creek,
 0.4 mi E Park border N35°35.053
 W083°14.299 Elev ~ 2400 ft 26 Aug, 05

MCH 05.090 NC: Swain Co., GRSMNP, Clinchmans
 Dome Rd, ~ 1 mi. W tract w/ Hwy 441
 N35°36.529 W083°26.372 Elev ~ 5200 ft
 26 Aug, 2005

MCH 05.091 NC: Swain Co., GRSMNP

Hwy 441, 0.4 mi. N Smokehouse Cr

N35° 36.000 W 083° 24.700

Elev ~ 3000 ft. 26 Aug, 2005

MCH 05.092 NC: Swain Co., GRSMNP

3.6 mi. N Smokehouse Cr turnoff Hwy 441

W 083° 21.450 Elev ~ 2700 ft.

26 Aug, 2005

MCH 05.093 NC: Swain Co., GRSMNP, Island

Creek, off Fontana Road, W of

Bryson City N35° 27.497 W083° 17.732

Elev ~ 2000 ft. 26 Aug, 2005

- nice hemlock / rhodo ravine just W

of bridge, nice rocks, dwarfed logs

- *Nepitica*, *Stenom* under rocks

- *Bishopella* under rocks ? log

- *Hypoclinus* common, but

collected

MCH 05.094 NC: Haywood Co., FR 288 along,

Pigeon River, 0.4 mi. SW I-40

N35° 43.867 W083° 01.473 Elev ~ 2100 ft.

27 Aug, 2005 - small accumulated

rockpiles @ base of steep hill,

along road, hemlocks + ; *Bishopella*,

Nepitica, *Stenom* common

MCH 05.095 TN: Cocke Co., FR 3242, 0.3 mi. S

Round Mt. CGr, Bald Mt. N

N35° 50.102 W082° 57.115 Elev ~ 3100 ft.

27 Aug, 2005 - very nice hemlock - dominated

drainage, many along this route northwards

- collected *Fumitana* in dwarfed sitting hemlock,

1 under rock ; *Bishopella* under rocks,

on steeper slope, under road fill. Also

Nepitica, *Stenom*

MCH 05.096 TN: Cocke Co., GRSMNP, road to

Cosby Campground N35° 45.755 W083° 12.691

Elev ~ 2000 ft. 27 Aug, 2005

- dryish forest near creek, W of creek ;

no *Bishopella* under rocks, logs ?? - no logs ??

- many (>10) *Fumitana* collected under

rocks on W side of road, in small

rockpiles ; largeish rocks, ~ embedded

MCH 05.097 TN: Cocke Co., GRSMNP, Co.

CG, below group camp parking

N35° 45.200 W 083° 12.394 Elevation ~ 2400 ft.

27 Aug, 2005 - Bishopella uncommon
under semi-embedded log, under rocks
in small moist rock pile;
dense hemlock forest near
Cosby Creek

MCH 05.092 TN: Sevier Co., GRSMNP, Hwy 141

Mi. S Chinnapp Picnic Area turnoff

N35° 38.435 W 083° 29.694 Elevation ~ 2400 ft.

27 Aug, 2005 - massive boulder field
above road; Bishopella most common
under rocks w/ surface contact, moss
elevated rocks in pile; Nestitis
also common under rocks w/ below

MCH 05.099 TN: Blount Co., GRSMNP, N.

Gap Trailhead, Rich Mtn Road

N35° 38.740 W 083° 48.312 Elevation ~ 2400 ft.

27 Aug, 2005 - collected Bishopella

under limestone slabs just w/

and south of Bull / Giff cave

entrance, slight downslope,

mixed forest

MCH 05.100 TN: Cumberland Co., Cumberland Mts.

SP N35° 54.079 W 084° 59.752

Elevation ~ 1800 ft. 27 Aug, 2005

~ 2 species of Leptobunum collected
night (~ 10 pm) in coveground, mixed
deciduous forest, on ground &
tree bases to breast height

MCH 05.101 TN: Overton Co., Raven Bluff

Cave and vicinity, N of Allons

N36° 29.580 W 085° 21.650 Elevation ~ 1000 ft.

28 Aug, 2005 - cave is ~ 300 yards down (N)
ridge E end of logging road, ~ 50 yards from
ridgetop, ~ E facing, below large bluff
- collected Toluid? (45 total) in southern
rim passage, in moist walls & ceiling
above small stream, very dense passage
- also Nystro flycatchers collected, including
2 adult ♂ & ♀

MCH 05.102 TN: DeKalb Co., Jim Cave, ✓ of

Dowelltown, off Hwy 70

N35° 59.910 W 085° 55.540 Elevation ~ 7500 ft.

28 Aug, 2005 - cave located in S-facing slope

in first hollow S of main highway, E side of

Big Cree Valley; supposed site for Bishopella, but

none found; found Liodorocentrus, small Liodorocentrus,

Pseudoeurycea, one beetle, 5mm millipede

(MCH 05-103) CA: San Diego Co., Coronado Island, near Sunset Park, ~ 1 mi NW of Main Street N 32° 41.21 W 117° 11.50 Elevation ~ 2000 ft. coll. M. Hadwin, R. Keith ~ collecting Lutrice in sand dunes adjacent to Ocean Blvd, overgrown w/ exotic ice plant. collected by removing ice plant, shaking onto sand

(MCH 05-104) CA: Imperial Co., ABDSP, Borrego Palm Canyon Campground N 33° 16.18' N W 116° 25.08' Elevation ~ 900 ft. 24 September, 2005 ~ flying insects @ night e lantern (scarabs, beetles), ♂ philodromid, mesquite beetle near bathroom

(MCH 05-105) CA: Riverside Co., ~ 1/4 mile W of Wilson Valley Road, Hwy 371, N of Aguanga N 33° 29.172 W 116° 50.223 Elevation ~ 2800 ft. 6 Nov, 2005 w/ R. Keith, M. Reinbold, J. Steadman S. Thomas, J. Deas ~ granite boulder fields in baked chaparral, mostly chert - ♂ ♀ Pleurocreavis under rocks

(MCH 05-106) CA: Riverside Co., Hwy 74, ~ E of Keen Camp Summit N 33° 40.939 W 116° 41.412 Elevation ~ 4700 ft. ~ steep N-facing ravine on W side of road; mixed pine-oak woodland - small reddish (granite) fairly common, under both rocks & end logs; basically none gregarious (several under same rock, but spread); other spiders under stuff

(MCH 05-107) CA: Riverside Co., Hwy 243, N of Idyllwild, ~ 1/2 mi. S North Fork San Jacinto River N 33° 47.518 W 116° 44.681 Elevation ~ 5600 ft. 6 Nov, 2005 - rich N-facing rocky ravine, mostly emifer forest w/ well-developed litter; Cylindromyz, amantobid, liacrida collected under stuff (rocks & logs); Cylindromyz common under large boulders in moist ravine bottom

(MCH 05-108) CA: Riverside Co., Hwy 243 @ North Fork of the San Jacinto River Crossing N 33° 47.081 W 116° 44.045 Elevation ~ 5400 ft. 6 Nov, 2005 - rich emifer forest in ravine of stream, rocky, Amantobid, pleurocreavis, liacrida under rocks & logs; Collobia on cedar trees 2nd 24500000 w/ rocky bridge (none collected)

(MCH 05-109) CA: San Diego Co., Hwy 78, ~1.2 mi. NNE Descanso Junction, NW side of Guatay Mtn. N 32.51.16 W 116° 35.68 ELEV ~3600 ft. 20 Nov, 2005 - leaf litter (CA) from small N-facing oak ravine, run through Berlese funnel

(MCH 05-110) CA: San Diego Co., ABDSP, Indian George, N 32° 51.746 W 116° 14.874 ELEV ~1300 ft. 26-27 Nov, 2005 - mostly ground-dwellers, wandering or under rocks; near granite hillside in creosote / mesquite / cholla habitat

(MCH 05-111) CA: San Diego Co., SE Jct. Mt. Laguna Hwy and I-8, road to Buckman Springs N 32.8011 W 116.5017 ELEV ~3800 ft. 27 Nov, 2005 - N-facing oak leaf litter

(MCH 05-112) CA: San Diego Co., Hwy 78, E of Descanso - same as (05-109) 17 Dec, 2005 - oak litter thru Berlese

(MCH 06-001) CA: Siskiyou Co., just S of Little Castle Creek, off Railroad Park Road, W of I-5 N 41.18369 W 122.2943 ELEV ~700 m 2 Jan, 2006 - rich N-facing conifer forest, several species, fairly steep ground; lots of well decomposed logs, nice boulder-felds - collecting spiders under rocks, under downed logs; weather cold, occasional snow on ground, ground very cold; (Chymomyia, Cyllobius, ~~Amis~~ ^{Amis} most common spiders; also Telenomids?)

(MCH 06-002) CA: Shasta Co., along Shasta Lake, just S of Turntable Bay, E of I-5 N 40° 77298 W 122.3092 ELEV ~340 m 3 Jan, 2006 - closed pine/oak/mammoth forest of freeway; few scattered rocks in small ravine; spiders in veebs under rocks, fairly common; ~~Amis~~ ^{Amis}

(MCH 06-003) CA: Colusa Co., Hwy 20, ~2.6 mi W jct. w/ Bear Creek Road, E of Destinella Flt N 39.00749 W 122.39813 ELEV ~500 m 3 Jan, 2006 - chamise, mammoth, digger pine habitat on N side of road, S-facing; mostly volcanic rocks in chert, spiders under rocks in webs; Yuma ♀

MCH 06-004 CA: Colusa Co., Hwy 20,
Salt Canyon, W of Williams, E of
Antelope Valley N39.10397
W 122.32740 Elev ~ 160 m
3 Jan, 2006 - roadside rocks/rubble
in manzanita/oak woodland habitat
just above Salt Creek; spiders in
small webs under rocks (including Yuma)

MCH 06-005 CA: Fresno Co., Hwy 180,
Saguoa Nat Forest, ~ 2 mi NE just
Hume Rd., N36.81702 W118.91356
Elev ~ 1600 m coll. M. Hedlin
- S-facing oak/manzanita habitat Tending
towards canyon; lenticulars collected under
slabs of granite along road, in oak litter -
on rock edges, on ground edges

MCH 06-006 CA: Fresno Co., Saguoa NF,
Hwy 180, ~ 1 mi NE just w/
Hume Rd N36.80940 W118.91623
Elev ~ 1700 m coll M. Hedlin 6 Feb, 2006
- millipedes under downed
pine? logs, in snow

* *Alutigeres* dots seen under granite
outcrops along road, down slope from road

MCH 06-007 CA: Fresno Co., Saguoa NF,
0.7 mi S Hwy 180 on Millwood Road,
SE of Black Oak Flat N36.74068
6 Feb, 06 W 119.04761 Elev ~ 1300 m coll. M. Hedlin
- mixed oak/pine woodland, + open grassy knolls
w/ exposed rocks; lenticulars under rocks,
concentrated at edges; many spiders collected under
downed logs in more sheltered forest

MCH 06-008 CA: Fresno Co., Hwy 245, ~ 0.4
mi. NE of Neffs Camp, N of Pinehurst
N36.70642 W118.99794 Elev ~ 1450 m
coll. M. Hedlin 6 Feb, 2006
- N-facing, mostly pine forest; v. peculiar;
beetles, scorpions collected under downed logs,
under rocks; spiders include *Hoplocorys*, *Calyptomyia*,
Arachnoides, *Cybaeids*??

MCH 06-009 CA: Tulare Co., Dry Creek Road
(J21), ~ 1.3 mi. S just w/ Hwy 245
N36.60436 W119.01205 Elev ~ 770 m
coll M. Hedlin 6 Feb, 2006
- open oak woodland, S-facing, w/
rocky outcrops (granite?); small, yellow,
conspicuous lenticulars under rocks in oak litter,
positioned at rock edges (NOT too wet);

* Ground very moist, recent rains / snow
oak litter run thru Berlese funnel

MCH 06-010 CA: San Diego Co. ~1.5
 Km W of Guatay, S side of
 Jamagatuma Creek 32.8536° N
 Elev ~3800 ft.
 28 January, 2006
 N-facing slope / oak / chaparral,
 run thru Berlese funnel

MCH 06-011 CA: San Diego Co., ~1 mi. E
 of Pine Valley 32.8220° W 116.5157°
 Elev ~3800 ft. 11 Feb, 2006
 - H. ustulatus on small pebbles, most
 along sandy wash in chaparral
 habitat

MCH 06-012 CA: San Diego Co., ANZA
 Borrego Desert State Park, Indiv.
 Gorge, ~0.25 mi. W mouth Torote
 Canyon 32.86932° W 116.23740°
 Elev ~350 m 25-26 Feb, 2006
 - ♂, ♀, ♂ Homalonychus under
 rocks on sides on hills, on
 sandy flats in washes

MCH 06-013 CA: San Diego Co., Hwy 78,
 Banner Canyon, E of Julian along
 Banner Creek N33.09609° W 116.58831
 Elev ~1160 m 26 Feb, 2006
 - Hesperellus under rocks on small road,
 N of creek, S-facing slope, deep oak
 litter; also single J. talpina, under
 rock, edge in litter
 - Berlese funnel from N-facing slope,
 deep oak litter - including Ocheistura,
 ♂♂ Centruropis, Apanteles, others....

MCH 06-014 CA: San Diego Co., East of
 El Monte Park, N32.88599° W 116.82850
 Elev ~170 m - Berlese funnel from
 oak litter, N-facing slope, near
 rock outcrop 11 March, 2006

MCH 06-015 CA: San Benito Co., 1400 Hwy 101,
 Monterey Vacation RV Park, hills to S
 Side (below Pinnate Peak) N36.86023° W 121.61266°
 Elev 86 m
 11 March, 2006 w/ R. Keith, S. Thomas,
 J. Jarrett, D. Marxson, M. McCormick,
 S. Derkavichina N-facing oak-covered hillside w/ large
 rock outcrops, talus breakdown; Pinus / Abies
 under rocks / logs, Myrica, Sine, Lemnaceae,

Orthotomus (or Dendroica?)

(MCH 06-016) CA: Santa Cruz Co., Hwy 9,
S of Brookdale N37.10378 W122.10480.
Elev ~130 m 11 March, 2006
- roadside 2nd growth redwood forest
above road; Zuma zantz (dark) under
rotting redwood; Pinus, Myrica,
Cybas under logs

(MCH 06-017) CA: San Mateo Co., San
McDonnell County Park, Pescadero Road,
0.9 mi. SW Jct. Alpine Rd.
N 37.29982 W122.26959 Elev ~250 m
11 March, 2006 - nice redwood forest,
steep; vipers generally scarce -
collected Pinus, Cybas, Megachile;
250 Zuma

(MCH 06-018) CA: San Mateo Co., Edgewood
Park, off Clarkia Trail, off Canada
Rd, near Hwy 280 E of San Carlos
N 37.45935 W122.28546 Elev ~180 m
12 March, 2006 - mostly open grassland,
oak twines chaparral S-facing slopes
- looking for Microtus under serpentine in
open habitats - no luck

(MCH 06-019) CA: San Mateo Co., San Bruno
Mtn. SP, W entrance (boundary), across
street from J.F. Kennedy school 12 March, 06
N37.69434 W122.45297 Elev ~100 m
- artificial rock wall / pile SE of
bellfield, ~100 yards up small ravine from
road; found 1 Centurus in second
layer of rocks - looking for Banksia
inculata

(MCH 06-020) CA: Napa Co., Oakville Grade Rd.,
2 mi. W Hwy 29 E Oakville 12 March 06
N38.42131 W122.42754 Elev 280 m
- mixed pine / fir / oak woodland; Athyridas
on N-facing steep slope, fairly scarce
- Pinus common in flat areas under
deciduous wood

(MCH 06-021) CA: Napa Co., Hwy 29, 1.1 mi. S
Calistoga
N38.56315 W122.54642 Elev ~100 m
12 March, 2006
- N-facing roadcut; large Athyridas
divisi twigs, Scirpus common (2 collected,
none seen); 2 large ♀ Alienopsis
scraped from moderate slope

MCH 06-022 CA: Napa Co., Hwy 29, Robert
 Louis Stevenson SP 12 March 2006
 N38.65115 W122.59927 Elev ~ 680 m
 - mixed pine w/ oak, madrone
 - Pinus under small oak slabs in L
 5th TITIVUS; *Promyrmekophila scripta*
 in sloping oak litter; *Lenispor* under rock
 MCH 06-023 CA: Lake Co., Hwy 175, just
 SE of Loch Lomond N38.85954
 W122.72187 Elev ~ 850 m 12 March 06
 - mixed pine/oak/chaparral habitat
 N-facing slope; ♂ & ♀ *Pinus* mostly
 under pine slabs in oak litter
 also *TITIVUS*

MCH 06-024 CA: Lake Co., Hwy 175, W
 of Big Valley N38.99586 W122.94999
 Elev ~ 490 m 13 March 2006
 - N-facing oak hillside, digger pine near
 ridge, chamise on S-facing slopes
 - *Atypoides vivax* turkeys (3 collected),
 NOT common; *Celisogaz* - large ♀,
 fairly large subadult collected in
 same burrow; *Pinus* scrub under
 small decumbens logs

MCH 06-025 CA: Mendocino Co., Hwy 253, W
 of Ukiah Elev. ~ 580 m N39.05878 W123.74740
 13 March 2006 - open, S-facing hillside,
 sparse oaks w/ rock outcrop
 - no *Pinus*, no *Atypoides*, no adult *Canis*
 - *A. leucurus* under large rootwads; *Calponia*
 under rocks in retreat
 MCH 06-026 CA: Mendocino Co., Hwy 128, 8.5 mi. E
 just w/ Hwy 1 N39.15619 W123.62662
 (near P. Dimick CG) Elev ~ 10 m 13 March 06
 - redwood forest slope >> *Atypoides*,
Pinus, small reddish *lenispor*
 (very common), *Schizocarpus*?

MCH 06-027 CA: Mendocino Co., Little River
 Airport Rd., 0.6 mi. E Hwy 1 C Little River
 N39.27077 W123.77664 Elev ~ 100 m
 13 March 2006 - roadside decomposed log
 (redwood) - 2 *Canis* in sympatry, in
 under log - both small, one species
 minute

MCH 06-028 CA: Mendocino Co., Hwy 168 C Side
 of Mile River crossing, N Angelook, clonfield
 W of highway N39.51767 W123.76315
 Elev ~ 5 m 13 March 2006

- *Atypoides* scraped from dunes, vic patches
 of vegetation

MCH 06-029 CA: Mendocino Co., Hwy 1, 13.3 mi W jct w/ Hwy 101, along N Fork Cotterera Creek N 39.78217 W 123.82228 Elev ~ 60 m
13 March, 2006 - N-facing redwood (and ground) steep ground; "fast" zincrobitids under logs, large *lanitars*, *Atypoides vivax*

MCH 06-030 CA: Humboldt Co., Alderpoint Road, 2.5 mi. E Redwing Road, E of Garberville
N 40.11329 W 123.76530 Elev ~ 530 m
14 March, 2006 - S-facing mixed doug fir / madrone habitat, closed canopy - zincrobitids (*pinus*, *callabus*, *Arctostaphylos*), large *lanitars* (*Sirex*) - both in well decomposed logs; no *Atypoides* seen?

MCH 06-031 CA: Humboldt Co., Redwood Drive, off Hwy 101, N of Redwing Elev ~ 100 m
N 40.13832 W 123.81328 14 March, 2006 - nice N-facing cove forest, large trees (not redwood) - *Atypoides vivax*! large *lanitars* (logs) - no *pinus*?

MCH 06-032 CA: Humboldt Co., Shively Rd, 0.3 mi E jct w/ Hwy 101, SE of Glynis
N 40.45846 W 124.06691 Elev ~ 60 m
14 March, 2006 - fairly treeshed, 2nd growth redwood, adjacent to clearcut above road
1/2 *Atypoides* (E of confluence Eel River), *lanitars*, no *pinus*

MCH 06-033 CA: Humboldt Co., Hwy 36, 3.7 mi. E Carletona, along Van Duzen River
N 40.49855 W 123.98512 Elev ~ 90 m
14 March, 2006 - *Atypoides*, *lanitars*, no *pinus*; fairly nice redwood forest S of road, surprisingly few spiders

MCH 06-034 CA: Humboldt Co., South Spit Humboldt Bay, S of Eureka
N 40.69925 W 124.27380 Elev. sea level
14 March, 2006 - *Apotomichus* collected from steep face of open dunes, just W of parking road - silk obvious on dune surface, burrows fairly shallow

MCH 06-035 CA: Humboldt Co., Hwy 299

2.3 mi. W crossing Redwood Creek

N 40.91781 W 123.83280 Elevation ~510 m

15 March, 2006 N-facing, doug fir-dominated

forest; Atypoides richi fairly

common, but mostly small

conifers under rock; possibly Pinus?

note Cellubius

MCH 06-036 CA: Humboldt Co., Titlow Road

1.4 mi. S Hwy 299, V Berry Summit

N 40.88056 W 123.76426 Elevation ~940 m

15 March, 2006 S-facing, oak dominated

slope above road, mixed w/ pine

- Pinus under small rocks, logs,

but 4-6 inches of snow

MCH 06-037 CA: Humboldt Co., Brannan Mtn

Rd., 0.7 mi. W Hwy 96, vic. Willow Creek

N 40.94752 W 123.64587 Elevation 230 m

15 March, 2006 S-facing slope, but fairly shaded

- Pinus under logs, large

coniferous trees, + rocks

Megascops

MCH 06-038 CA: Trinity Co., along Hwy

299 W. Rust Ave NW of Hawkins Bar

N 40.88203 W 123.55002 Elevation 210 m

15 March, 2006 - rich N-facing forest

on S side of Trinity River

- Atypoides, Pinus; large conifers

very abundant under small rocks (natural

telus)

MCH 06-039 CA: Trinity Co., confluence of N.

Fork Trinity River @ East Fork North Fork, N of

N 40.78266 W 123.12953 Elevation ~430 m

15 March, 2006 - rich mixed forest

on N side of river, lots of rocks

- Pinus very common under stuff (including

adult fir); no sign of Atypoides?

no conifers (lots of rocks?)

MCH 06-040 CA: Trinity Co., Hwy 3, 0.1 mi. S

vic. W Hwy 299, vic. Douglas City

N 40.4972 W 122.94169 Elevation ~530 m 15 March 2006

- steep N-facing fir / pine forest above

small area

- Atypoides, Pinus common

- small conifers (abundant or Texella??)

under small rocks in natural

in steep ravine

MCH 06-041 CA: Shasta Co., Crystal Creek Rd.,
0.9 mi. S just w/ Hwy 299, W Whiskey Pines Res.
N 40. 66360 W 122. 65920 Elev. 470m
15 March, 2006 - *S-fuzz* *menzianita* /
digger pine habitat - flats + small
ravines; *Atriplex* on slopes
- *Pinus* common under rocks;
Kibromia under rocks

MCH 06-042 CA: El Dorado Co., Hwy 193,
0.9 mi. N just w/ Hwy 49, N of
Placerville N38. 74879 W120. 81694
Elev. 450m 16 March, 2006
- mixed pine/oak forest
- *Pinus* *eladensis*? common under downed logs
& rocks on small flats above road
- also *Pinus* *TITIVUS*

MCH 06-043 CA: Calaveras Co., Hwy 49, 20.2
mi. S Calaveras / Amador County line,
N of Mokelumne Hill N38. 31014
W120. 72245 Elev. 210m 16 March, 2006
- fairly nice mixed N-felling forest
- *Pinus*, *Leucophaea* under rocks +
logs; no *Atriplex* found, but
habitat decent - should be found
near here

MCH 06-044 CA: Calaveras Co., Grapevine
Gulch surface, SE of Angels Camp
N38. 09488 W120. 42628 (approx). Elev. 600m
16 March, 2006
- Hwy 4 SE of Angels camp, S of Parrott Ferry rd,
SE on Camp Nine Road to Grapevine Gulch,
above New Melones Lake; open, parklike
woodlands dominated by oaks - lots of rock on
surface; *Pinus*, *Kibromia* (common)

MCH 06-045 CA: Calaveras Co., Bobcat Cave,
in Grapevine Gulch, SE of Angels Camp
N38. 09488 W120. 42628 Elev. 600m 16 March, 2006
- small, down-sloping cave, fairly dry
- *TITIVUS* subadults, *Colisaga*, lots of
Blechnum / *Yorima* ♂♂ (all under rocks, mostly
along edges); saw *Telmata*? but did not collect
- No *Leucophaea* seen??

MCH 06-046 CA: Calaveras Co., Grapevine Gulch
Cave, in Grapevine Gulch, SE of
Angels Camp N38. 09224 W120. 42102
Elev. 570m 16 March, 2006
- nice cave, w moist breakdown, roots coming
from ceiling adding productivity; *Blechnum*?
in in large room deepest in cave, under
rock; 3 adults close to entrance, 1
e base of wall, 2 under entrance tree
breakdown *pseudoscorpions*, *TITIVUS*,
Blechnum under rocks

MCH 06-047 CA: Mariposa Co., Hwy 49,
 vic. Hell Hollow
 N37.59155 W120.12743 Elev. ~460m
 17 March, 2006 - mostly open
 chermise / digger pine / oak h2b 12T
 - Pinus? in small wine entrance
 beneath rocks; also cybeids, small
 phorids (Pisilochorus)

MCH 06-048 CA: Mariposa Co., 2.1 mi. N of
 Niptonavasee, E Harris Ranch Rd, off Hwy 49
 vic 37.43325 W119.72858
 Elev. ~910m 17 March, 2006
 - mixed pine forest above (S) small
 stream; found Pinus underneath bushes
 wood

MCH 06-049 CA: Mariposa Co., Hwy 49,
 1 mi S just road to North Fork, S
 of Kelshaw Corners N37.11080 W119.71111
 Elev. ~400m 17 March 2006
 - rolling oak woodlands w/ much exposed
 rock; should be Cylindropuntia / Sideroxylon, but
 none found in limited ranch effort
 w/ rain

MCH 06-050 CA: Kern Co., Cuddy Valley Road,
 2.5 mi W Lake of the Woods, vic. Frazier Park
 N34.82112 W119.00723 Elev. ~1580m 17 March, 2006
 - xeric pine forest / including pinyon + Artemisia
 - misc. spiders (Plectranga, Psilochorus,
 gnaphosids) under rocks; large on
 N-facing slope

MCH 06-051 CA: San Diego Co., E of El Monte
 Park, vic. Lakeside N32.88540
 W116.82600 Elev. ~600 ft. 7 April 2006
 - collecting Hesperis in h2b - lvs,
 riparian zone > Heceliformis common
 of oak litter; ♂, ♀
 on sticks in oak litter; ♂, ♀ Heceliformis
 in mixed places

MCH 06-052 CA: San Diego Co., Mission Trails
 Regional Park, eastern Tortuga Mts
 Trail ~ N32.82150 W117.06250
 Elev. ~200 ft. 8 April, 2006
 - collecting Hesperis > Hesperis ♂, ♀ new
 to class; Heceliformis ♂ on open
 grassy hills; Hesperis very common
 on dry, disturbed places - most common
 on edges of road going up hill, S-facing;

Heceliformis / Heceliformis

MCH 06-053

CA: Inyo Co., Hwy 178 E

Amargosa River Crossing, just E 225T
N 35.97120 W 116.26171
w/ DAMIAN EVANS, JOSE MADIAS
Elev ~1500 ft. 10 April 2006

~ Hfermosus in litter (Atriplex, Mesquite)
adjacent to river; Htaradalis most
common on salt flats w/ sparse
salt grass covering, away from river

MCH 06-051

CA: Inyo Co., ~0.5 mi. S

Teocopa Hot Springs N35.85352
W 116.22685 Elev ~1300 ft.

16 April 2006 - desert marsh
habitat; Htaradalis common in salty
alders; Htallini ♂♂ in thick grass in
middle of marsh; Hferosus difficult in
thick grass (not too salty), mid-marsh

MCH 06-055

CA: San Bernardino Co.,

Salt Creek Hills
N 35.62352 W 116.28241 Elev ~500 ft.
10 April 2006

- bearing Atriplex adjacent to
marsh area; found many imm
Htaradalis, some imm Htaradalis,
no adults

MCH 06-056

CA: San Bernardino Co., NE of

Exp, 1 mi. E JMT Hwy 67
N 34.17904 W 114.28359 Elev ~400 ft.
10 April 2006

- desert wash @ night, apiculus under
rocks or wandering → Sypsiac, ♂
Pteronotus, small Aphimopelma, Loxosceles

MCH 06-057

AZ: La Paz Co., Hwy 95, ✓

♀ Pteronotus, N34.07247 W 114.26153
Elev ~500 ft. 11 April 2006
- fairly sticky/dried dune, w/ Ambrosia,
Pteronotus; Hsignatus (48, many ♀♀) better
from above shrubs onto sand

MCH 06-058

AZ: La Paz Co., Hwy 60, E

Hope N33.73061 W 113.67426
Elev ~1800 ft. 11 April 2006

- saguaro, Palo Verde, ironwood, creosote
desert hills, w/ rocky hillsides
- Htaradalis ♂, ♀, imm collected by
jumping into creosote, knocking down branches
then cleaning tree, looking for spiders
moving back towards center of
shrub

MCH 06-053 AZ: Yavapai Co., vic
 Yarnell N 34.22287
 W 12.76411 Elev. ~4900 ft
 11 April, 2006 - nice mid-elevation
 oak woodland w/ large boulders;
Haregenensis in / near oak litter, only 10%
Haregenensis in open areas, probably most
 common in grassy areas; *Haregenensis* ♀
 on rocky flats; *Haregenensis* group immatures
 MCH 06-060 AZ: Cochise Co., Wilcox Playa
 Wildlife Area, 10 ft Kansas Settlement
 Road S of Wilcox 12 April, 2006
 (32.15630) 109.77440
 32.09.3750 109.46.462W - see map of
 1997 collection, 12 April; *Haregenensis*
 very common in AM in settlement,
 both e play edge, w/ an small
 stabilized dunes near play
 MCH 06-061 AZ: Cochise Co., Chiricahua Mts.,
 Turkey Creek Campground, Coronado NF
 N 31.86474 W 109.35735 Elev. 5900 ft.
 12 April, 2006
 → mixed oak / pine woodland + riparian;
Haregenensis ♂ ♀ common in several
 places, most w/ litter; *Haregenensis*
 rare, 4 ♂♂, 1 imm ♀ found in stabilized
 willow litter adjacent to stream

W
 MCH 06-062 AZ: Cochise Co., base of
 Chiricahua Mts., Turkey Creek Road,
 Singlow Ranch N 31.86120 W 109.42240
 12 April, 2006
 - *Haregenensis* most common in beside
 litter; *Haregenensis* less common, but
 some adult ♂♂ found
 CA: Joshua Co., along Shasta
 Lake, just S of Turntable Bay, E
 of I-5 N 40.77298 W 122.30920
 Elev. ~340 m 17 April, 2006 see also
 06-002 - searching under small rocks /
 downed wood / logs in fairly xeric
 oak / man / digger pine / pine forest;
 Pines ♀♀ fairly common; also scytal,
 few cybeids, scorpions common
 MCH 06-064 OR: Jackson Co., Mt. Ashland SK
 Road, 1.4 mi. W jct w/ I-5 frontage road
 N 42.07364 W 120.61679 Elev. ~4560 ft
 - mixed pine / doug fir forest, mostly fir trees,
 but fairly shaded - looking under downed logs /
 bark; *Colemanella*, *Cellotricha*, *Cybeids* fairly,
 perhaps 1 *Pimpla* ?
 18 April, 2006

MCH 06-063 CA: Stanislaus Co., Beaver Creek Road,
vic. Beaver Crk CG, N of Klamath River.
N 41 92378 W122.83207 Ew = 670 m
- pine flats @ stream edge, rocky, but
no wood on ground; *Cybreus* ++, no
Pinus seen

MCH 06-066 CA: Stanislaus Co., West fork of
Beaver Creek, confining w/ Little Soda Creek FR 47N01
N 41 94551 W122.83340 Ew = 785 m
- beautiful, rich mixed Doug fir / madrone,
both rocks and lots of downed wood;
creamy abandoned *Pinus*, *Larix* common,
Cybreus, *Archoleptura* (3), *Collobius*

MCH 06-067 CA: Stanislaus Co., Walker Rd., just
E jct w/ Hwy 96, E of Horse Creek
N 41 82567 W122.97861 Ew = 530 m
- N-facing pine slope, open
underneath, logs of downed logs
on slopes, *Cybreus*, *Pinus* common
under logs; *Pinus* inverted (upside down)
in webs @ adsp - log / litter interface

MCH 06-068 CA: Stanislaus Co., Hwy 3, Soap Creek
Bridge, ~6.5 mi. SW of Yreka @ I-5 jct
N 41 67860 W122.72335 Ew = 1250 m
20 April, 2006 - open, S-facing pine-
dominated forest; *Vipera*, millipedes under
downed wood, few *Pinus*

MCH 06-069 CA: Stanislaus Co., S side of Box
Canyon, Upper Sacramento River, ~0.6 mi.
SE of Box Canyon Dam N 41 27293 W122.31915
Ew = 950 m 21 April, 2006
- shaded, N-facing, Doug fir / pine
forest; *Pinus* very common under
downed wood (logs, bark)
- many spiders upside-down in webs
in sparse under stuff, ~ sheet webs

MCH 06-070 CA: Shasta Co., Hazel Creek, ~3.3
mi. E I-5 @ Sims exit N 41-06404
W122.32286 Ew = 600 m 22 April, 2006
- nice, N-facing mixed Doug fir forest,
deep litter + moss, fairly rocky;
Pinus very common under rocks, logs,
bark, including 2 adult ♂♂
- *Larix* (3) under Doug downed bark

MCH 06-071 CA: Los Angeles Co., San Clemente Island, vic Wilson Cove
Field Office N32.99615 W118.55214
Elev ~ 130 m 26 April, 2006
coll. M. Hedlin, Steve Foldi
- in disturbed grassland adjacent to stabilized m
dirt, ground / under rocks & logs > *Ruellia* from
webs; *Flisatrinella* under board; *Drosophila*,
Zelotes under snuff; *Metacynobz* under rocks;
Pelegrinus, *Pellene* out
(MCH 06-072) CA: LA Co., San Clemente
Island, S end of dune field, ✓
of landing strip @ The Isthmus (N end)
~ N32.98726 W118.57341 Elev 20-30m
26 April 2006 coll. M. Hedlin, St. Foldi
- stabilized dune field behind larger fire dunes,
mostly @ southernmost extent of sand
- general stuff: *Leptodactylus* (common in uplands),
Peridroma (dune veg), *Agave (ceati)*, *Xyris*
(on ground), *Tibellus* (veg, grasses), *Lutice*
(stages dune flow, webs in sand),
- *Hebertianus* from dune ground w/ various
stick / grass cover
- *Hemiteles* → 4♂, many adult ♀ collected in
stabilized dune behind fire dunes (southern extent
of sand) associated w/ *Astragulus* + *Atriplex*;
many collected by sand beavers dead *Astrag*

MCH 06-073 CA: San Diego Co., ABDSP, Bow
Willow CG N32.84181 W116.22605
Elev ~ 290 m April 29, 2006 coll. M. Hedlin
- *creosote* / *Amorpha* / *Atriplex* dense wash
- *Syrphid* ♂ wandering @ night
- grasshopper ♀ under rock; ♂ sand roach
- flying to lanterns @ night
(MCH 06-074) CA: Riverside Co., San Jacinto Mts.,
NE side of Black Mtn., N33.8265
W116.7502 Elev ~ 2240 m 8 July, 2006
- spiders under rocks / fallen pine bark
coll. M. Hedlin
(MCH 06-075) CA: Riverside Co., San Jacinto Mts.,
NE of Idyllwild to Fern Valley N33.7503
W116.7033 Elev ~ 1700 m 9 July, 2006
- *H. schlingens* / *H. kawaii* ♂ in sparse grass
(MCH 06-076) CA: Riverside Co., San Jacinto
Mts., Humber Park, NE of Idyllwild
N33.7641 W116.6837 Elev ~ 2000 m
9 July, 2006 - large biophines common near stream
(MCH 06-077) CA: Riverside Co., San Jacinto Mts.,
N side Lake Hemet N33.6707 W116.6954
Elev ~ 1300 m 9 July, 2006
- insects on *Asclepias* flowers

MCH 06-078 AZ: PIMA Co., SANTA CRUZ Co.,
 Mtns., vic Sunset Trailhead
 N32 4265 W110 7424 Elev - 7800 ft.
 15 July, 2006 w/ S. Thomas, J. Davis,
 S. Derkabetian - N-facing
 mixed conifer forest; Sclerobunus
 common under logs / bark on slopes,
 but also under stuff in small
 stream & bottom of slope near
 stream

MCH 06-079 AZ: Santa Cruz Co., Santa Rita
 Mtns., upper Madera Creek, along
 Caric Nation Trail N31.7023 W110.8702
 Elev ~ 6000 ft. 15 July, 2006 - looking for
 Sclerobunus, but too dry / low elevation
 need to go to Mt. Wrightson, or nearby
 - phor (engaddil) found under rock (moist,
 embedded) 600 mid-elevation along CN trail

MCH 06-080 AZ: Cochise Co., Kartchner
 Caverns SP N31.8340 W110.3498
 Elev ~ 4600 ft. 15 July, 2006
 - various goods wandering c.
 night, or attracted to lights
 - Disqueia in web on PUNTIA

MCH 06-081 AZ: Cochise Co., Huachuca Mtns.,
 Miller Canyon N31.4054 W110.2914
 16 July, 2006 Elev ~ 6500 ft.
 - on trail, ~ 1 mile up canyon from
 trailhead, mixed conifer in narrow, rocky canyon,
 but still fairly dry; phor (engaddil) (Texella) under
 embedded rock, beneath other rocks, w/ moisture
 - Lauridius? common under rocks; Sclerobunus
 MCH 06-082 AZ: Cochise Co., Chiricahua Mtns.,
 road to Barfoot Park, N Buena Vista Peak N3.9179
 W109.2725 Elev - 8400 ft. 16 July, 2006
 - steep N-facing, heavily forested slope,
 w/ old growth conifers, lots of
 decay, Sclerobunus fairly common,
 but moisture sensitive - only found under
 logs / bark w/ obvious moisture evident

MCH 06-083 AZ: Graham Co., Pinaleno Mtns.,
 Hospital Flat, near Treasure Park
 N32.6651 W107.8758 Elev ~ 9000 ft.
 17 July, 2006 - mostly Douglas-fir forest,
 2000 ft. to meadow w/ aspens
 - Sclerobunus very common (1-30 all) under
 logs / bark on shallow N-facing
 slope & SW corner of meadow
 - Sclerobunus under rocks / logs

(MCH 06-084) AZ: Graham Co., Hwy 191,
 ~0.25 mi. NE just w/ Hwy 70,
 E. of Seftord N32.7933 W109.5460
 Elev ~ 3200 ft. 7 July 06
 - meloid beetles on creosote
 flowers in dry creosote flats,
 no *Digenia* seen.

(MCH 06-085) AZ: Greenlee Co., Hwy 191,
 ~1.4 mi. S Hannagan Meadow N33.6139
 W109.3268 Elev ~ 9150 ft. 17 July 06
 - dense spruce grove w/ pine / spruce
 mixed in; well-shaded
 - *Sclerobunus* common (~30) in downed log
 in thicker grove, downed conifer (pine?),
 mostly under "first layer" of bark,
 especially bark directly on moist ground
 - *Callobius* very common; imm. *Cicadina*

(MCH 06-086) AZ: Apache Co., Alpine Divide
 CG, off Hwy 191, N. of Alpine
 N33.8936 W108.1519 Elev ~ 8500 ft.
 17 July, 2006 - open mixed spruce / pine /
 spruce forest behind CG; fairly open
 - 2 *Sclerobunus* under bark / embedded
 limb on shallow N-facing slope, slightly
 moist; No others found in other similar
 hab, but fairly dry

035

(MCH 06-087) NM: Catron Co., Mogollon Mts.
 ~ 11.2 mi. E of Mogollon, E of Silver Creek
 Divide
 N33.3729 W108.6569 Elev ~ 9090 ft.
 17 July, 2006 - N-facing old-growth
 Doug. fir forest, lots of downed logs
 - *Sclerobunus* abundant under moist
 log / bark above road, ~20 collected

(MCH 06-088) NM: Catron Co., Mogollon Mts.,
 Redstone Trailhead, ~5.2 mi. E of Mogollon
 N33.3684 W108.7238 Elev ~ 8600 ft.
 18 July, 2006 → along Silver Creek
 - *Neopetrella* (4♀) scraped from shaded
 N-facing banks on south side of
 small meadow, w/ small spruce - mixed
 conifer + aspen; 2♀ w/ 2-3♂ inside
 spiderling in burrow (less than 10)

(MCH 06-089) NM: Grant Co., Pinas Altos
 Range, Bend Canyon Rd, 22 mi. E Hwy 15
 N32.9297 W108.1662 Elev ~ 7900 ft.
 18 July, 2006 - fairly dry pine forest,
 working small ravine w/ decent N-facing
 slope; *Sclerobunus* under log / bark w/
 sufficient moisture, NOT TOO common
 (~10 found)

MCH 06-093 NM: Otero Co., Hwy 244, 1.1 mi. N Hwy 82 E

Cloudcroft N32 97418 W105 73413

Elw ~ 8800 ft. 18 July, 2006

- semi-disturbed forest (logging), but pockets of large trees w/ good decaying logs → 1 *Sclerobunus*, w/ seemingly good microsites!

- susceptible to disturbance??

MCH 06-094 NM: Otero Co., Hwy 244 NE of SW of Silver Springs in Bradford Canyon

Cloudcroft → N32.9780 W105 70874

Elw ~ 8700 ft 19 July, 2006

- douglas / aspen forest on shallow N-facing slope above small meadow

- nice decayed logs, richer forest → *Sclerobunus* fairly common (~15) under logs - typically on "solid surface" - under intact bark or log, rather than fully decayed internal log - moisture also key

MCH 06-095 NM: Lincoln Co., Hwy 532 (road to Silver Apple) ~ 11 mi. W of Hwy 48

N33 3969 W105.7826 Elw ~ 9760 ft. 19 July 06

- beautiful dense spruce forest, N-facing, steep, many downed logs

- *Sclerobunus* exceedingly abundant, under unusually all downed wood in large numbers, > 30 in up 10 minutes

MCH 06-090 NM: Sierra Co., Mimbres

Mtns., Hwy 152, ~ 1 mi. SE of Emory Pass N32.9021 W107.7682

Elw ~ 7970 ft. 18 July, 2006

- narrow E/W trending ravine, N-facing slope, bottom w/ decaying logs - *Sclerobunus* common (~20) under logs / bark

- dipterid (Millois) in crevices webs in culvert - very abundant

MCH 06-091 NM: Dona Ana Co., just N I-25

ie EXIT 25 in Rincon, vic Rincon Arroyo N32.6771 W107.0552 Elw ~ 4131 ft.

18 July, 2006

- *Diguetia* from Opuntia; creosote in wash; too early 3?; most spiders subadult

MCH 06-092 NM: Otero Co., Hwy 82 E

Bailey Cyn Rd., W of Cloudcroft N32.9757 W105.7560

Elw ~ 8100 ft. 18 July, 2006

- "thinned" forest, recently disturbed - no *Sclerobunus* found; *Cicurial* + *psodo* spp.

MCH 06-098 NM: Torrance Co., Cibola NF,
 Manzano Mtns, road to Capilla Peak
 N34.658 W106.397 Elevation ~ 7500 ft.
 19 July, 2006 - Douglas fir thicker on
 N-facing slope above small drainage
 - *Sclerobunus* found here, surprisingly
 low elevation! Not common - under
 both rocks and logs (<10 found)

MCH 06-097 NM: San Miguel Co., Santa Fe
 NF, FR 223 to Von Gatz CG;
 N of Terreno N55.8000 105.6532
 Elevation ~ 8600 ft. 19 July, 2006
 - wandering peltopates at night; quiphasids

MCH 06-098 NM: San Miguel Co., Santa Fe NF
 road to Holy Ghost CG, ~1.7 mi. NW Jct
 w/ Hwy 63 N35.7607 W105.925
 Elevation ~ 8100 ft. 20 July, 2006

- No *Sclerobunus*, 2 *Theridion* good
 habitat, plenty high elevation
 - *Theridion* in well-decomposed large
 conifer logs (red heartwood), sheltered
 in small N-facing ravine, fairly
 moist - animals deep in logs

MCH 06-099 NM: Santa Fe Co., Glorieta
 Canyon, N of Glorieta Baptist Camp N35.6118
 W105.7703 Elevation ~ 7000 ft. 20 July, 2006
 - small Douglas fir thicket in N-facing "pocket"
 - *Sclerobunus* uncommon under moist down
 logs; also under rocks, both on rock
 surface and the ground

MCH 06-100 NM: Taos Co., vic Taos Ski Valley,
 Hwy 150 NE of Arroyo Seco
 N36.5976 W105.4576 Elevation ~ 9400 ft.
 20 July, 2006 - mixed spruce / spruce on N-side
 of highway (S-exposed), but still fairly moist
 - *Sclerobunus* (fairly long-legged) under embedded rocks
 in small rockpile; *Theridion* similar in h23
 preference; *Sclerobunus* NOT common,
 low than 10 collected - under both rocks &
 logs

MCH 06-101 NM: Rio Arriba Co., Hwy 64
 E of Hopewell Lake CG turnoff, along Deer
 Creek N36.7102 W106.1762 Elevation ~ 9031 ft. 20 July, 2006
 - sheltered N-facing slope w/ spruce / spruce / pine
 above meadow
 - *Sclerobunus* incredibly common (~30 in 10 minutes)
 under surprising dry downed logs / branches -
 but must be typically fairly moist
 at this elevation

[MCN 06-102] NM: Sandoval Co, Hwy 4
 Temez Mtns, 3.9 mi. W JCT w/ Hwy 50
 N 35.8384 W 106.4044 E Los Alamos
 21 July, 2006 - aspen / pine / spruce,
 fairly open, lots of downed wood
 - *Schnobunus* very abundant under
 downed wood / logs / branches
 (~30 collected)

[MCN 06-103] NM: Cibola Co., Mt. Taylor,
 FR 193, 4.0 mi E of Hwy 547,
 NE of Grants N 35.2318 W 107.5384
 Elev ~ 9100 ft 21 July, 2006
 - E/W trending drainages, mostly pine &
 aspen, abundant downed logs
 - *Schnobunus* NOT common here, ~10 found
 in 1 hour, preferring inside of rotting
 logs (unpiled) - small, dark specimens
 also unusual
 - *Neotricula* scraped from N-facing ravine
 banks - NOT common - 1 ♀ / 1 chrysalis spider
 [MCN 06-104] AZ: Coconino Co, vic Arizona
 Snow Bowl parking area, San Francisco
 Mtns, N of Flagstaff N 35.3289
 W 111.7121 Elev ~ 9200 ft. 22 July 06
 - aspen / spruce forest (intermixed) w/
 large meadows

[MCN 06-104] *Schnobunus* incredibly
 abundant - under essentially all
 wood on forest floor, plus
 rocks - pupation sizes must be
 huge - 100,000s or millions of
 individuals in forest whole -
 1 collected 14 individuals under
 1 small log!! typically speckled under
 logs, NOT tightly aggregated

[MCN 06-105] CA: Inyo Co., vic Rock Creek
 Lake, ✓ of Tom's Place N 37.44988
 W 118.73923 Elev ~ 2970 m 26-27 July, 2006
 - *Philodromus* from pine; *Hemirhamphus*
 group ♀♀

[MCN 06-106] CA: Inyo Co., Ruby Lake, SW
 of Rock Creek Lake N 37.44963
 W 118.7679 Elev ~ 3400 m 27 July 06
 - ~~Philodromus~~ - *Tetragnathus*? on granite

[MCN 06-107] CA: Siskiyou Co., Mt. Shasta
 3.5 mi. up Ski Parkway from Hwy 89
 N 41.31084 W 122.21083 elev 5286 ft (1590 m)
Pinus & *Callibotris* (?) under logs
 13 Aug, 2006 coll. M. McCubrick,

P. Keith

MECH 06-108 CA: Shasta Co., Dog Creek
~ 3 mi. N40.93155 W122.47634 elev 1428 ft.
maybe Pinus under logs of NE slopes,
pretty dry... → W I-5 13 Aug 06

MECH 06-109 CA: Trinity Co., Carrville vic.
along Hwy 3 N41.04248 W122.70330
elev 2600 ft. ~~(4422 m)~~ 13 Aug 06
- Pinus

MECH 06-110 CA: Shasta Co., Gilman's Ridge,
opposite Nosoni Creek, McCloud Arm of
Shasta Lake N 40.89947
W122.22889 Elev ~ 360 m 14 Aug 06
- N-facing slope w/ downed logs - Pinus
mostly on sides, in litter, w/ weeds

MECH 06-111 CA: Shasta Co., Dog
Creek Drainage, vic Lunch Gulch
N 40.94185 W122.5222
Elev ~ 830 m 14 Aug 06
- steep shaded slope, mostly oak, w/
downed logs - Pinus fairly common

MECH 06-112 CA: Siskiyou Co., Mt.
Shasta, Everett Memorial Hwy (A16),
~ 5.6 mi. N Mt. Shasta City
N41.3351 W122.2689 Elev ~ 1570 m
14 Aug, 2006 - old growth forest w/
lots of downed wood, below road
- Callorhynchus very common, also Antrudiceros

MECH 06-113 OR: Josephine Co., Hwy 199, just
past crossing Butcher Knife Cr. N 42.34591
W123.56281 Elev ~ 1200 ft 15 Aug 06
- disturbed forest above road on S
side, ~ N facing

MECH 06-114 OR: Josephine Co., Hwy 46 @
Grayback Creek, E of Cave Junction
N42.1401 W123.4569 Elev ~ 1900 ft.
15 Aug 06 - vich, N-facing dog-fir
forest above stream
- cybrids, Ceratoplasma, imm Sebzcon,
imm benistund all in red-rotting log
in shallow slope; no Pinus?
lots of Callorhynchus

MCN 06.115 OR: Josephine Co., Hwy 46,
 8.3 mi E Cave Junction, Hwy 199
 N 42.16433 W 123.50081 Elev ~ 1800 ft.
 15 Aug, 06 - dryish, S-facing pine
 forest w/ rocks, fairly flat
 - scorpions common, Pinus, cybeids

MCN 06.116 OR: Josephine Co., Grave Creek,
 near confluence w/ Butte Creek, off
 Lower Grave Creek Rd N 42.64139
 W 123.50621 Elev ~ 1000 ft. 15 Aug, 06
 - nice N-facing douglas fir = Sabalcom
 very common, 4 Taxus, 3 Juniperus,
Caratolisma, many cybeids - all in
 rotting red log on shallow slope

MCN 06.117 OR: Curry Co., just Hwy 23/33
 C Shasta Costa Creek, E of Aarness
 N 42.57315 W 124.04705 Elev ~ 200 ft.
 15 Aug, 2006
 - Pinus, Cygnus (trip), Callisaurus on
 large douglas fir trunks @ night

MCN 06.118 OR: Curry Co., Hwy 33, ~22 mi. E
 of Gold Beach @ Hwy 101 N 42.5465
 W 124.1273 Elev ~ 800 ft. 16 Aug, 06
 - mixed doug fir forest above river,
 below road, fairly steep
 - working large downed log -
Hesperomastomys? (2), many cybeids,
 scarce Pinus?, 1 Caratolisma, Antrodiaetus
 in log, scorpions

MCN 06.119 OR: Curry Co., Cape Sebastian
 overlook, vic North parking lot, S
 mi. S Gold Beach N 42.3334
 W 124.4231 Elev ~ 700 ft. 16 Aug, 06
 - dense, ~ pure spruce forest in
 w/ basically no undergrowth (ficus opening)
 - large orange/yellow Juniperus sp
 presumably common under downed moist
 logs (mostly small)

MCN 06.120 CA: Del Norte Co., Hwy 199,
 Middle Fork Smith River @ Madonna River Access,
 E of Gasquet N 41.8568 W 123.8851
 Elev ~ 670 ft. (900m) 16 Aug, 06
 - Pinus + under largest rocks
 in rocky areas below slope new
 road, well-shaded; open mixed
 conifer / madrone forest

MCH 06-121 CA: Del Norte Co., Del Norte
Coast Redwoods SP, Mill Creek Gyn
CG N41.6974 W124-0949 Elev ~ 120 m
16 Aug, 2006

- Cybassis, Pinus from redwood trees / clumps
At night

MCH 06-122 CA: Del Norte Co., DNER SP,
Hwy 101, ~ 0.25 mi S entrance to Mill
Creek CG, N41.6954 W124.1191
Elev ~ 1000 ft (2900) 17 Aug, 2006
- redwood forest, none old-growth
Ls Sabzcan, single Lunitarid under
hercynitic rotten log - should
be more here??

MCH 06-123 CA: Humboldt Co., Hwy 96,
0.4 mi. S Weitchpec N41.1776
W123.7039 Elev ~ 130 m 17 Aug, 2006
- mixed Doug fir / madrone above
road; Pinus, Hesperomomona, Styracis
Lunitarid under rid small rocks
beneath 10' layer of log
conditions dry

MCH 06-124 CA: Siskiyou Co., ~ Jones Bar, 96
just down Ishi Pishi Bridge road from Hwy 96
N41.3811 W123.4929 Elev ~ 690 ft.
(210 m)

17 Aug, 2006
→ dry oak / conifer mixed forest
spruces (w/ Pinus, many hybrids)
deep under large rocks

MCH 06-125 CA: Siskiyou Co., China Creek, ~
0.7 mi. SE confluence w/ Klamath River,
China Grade Rd, E of Haggay Camp
N41.7947 W123.7013 Elev ~ 420 m
17 Aug, 2006 - Pinus, Tarexus, Salix
in rotting log above road in
mixed forest, fairly dry
+ better habitat @ higher elevations
on road to Red Valley

MCH 06-126 CA: Siskiyou Co., Weed, East of
I-5 Exit # 747 N41.4184 W122.3798
Elev ~ 1110 m 18 Aug, 2006
- N-facing slope, conifer forest, fairly
alky, maybe? Pinus under
rocks, otherwise few spruces

MCN 06-129 CA: Siskiyou Co., ~2 mi. WNW of
McClure, off Hwy 89 N41.2736
W122.1750 Elev ~1200m 18 Aug. 2006
- ponderosa pine flats, disturbed
- single *Seeborn*, some imm *Taraxacum*
deep in rotting sniffer logs

MCN 06-128 CA: Siskiyou Co., Pole Creek R.,
0.6 mi. S Hwy 89, S of Dead Horse Summit
N41.1985 W121.7714 Elev ~1360m
18 Aug. 06 ~ open ponderosa pine
forest, somewhat disturbed large
- spiders + deep rotters
logs, including *Pinus*, also
Seeborn, both uncommon

MCN 06-129 CA: Modoc Co., Warner 1175, Above
Cedar Pass CG, off Hwy 299, Thomas Creek
N41.5593 W120.2915 Elev 1800m 19 Aug 06
- open mixed sniffer forest on
✓ side of stream, NOT very steep
- *Taraxacum* very common under
downed logs / in logs
- *Pinus* (or *Quercus*?) under small
rocks in dredge rock pile near
stream

MCN 06-130 CA: Sierra Co., Hwy 49 N41.85
Sierra City, along N Yuba River
N39.5644 W120.7124 Elev ~1100m
19 Aug. 2006 - rich N-facing sniffer
forest on ✓ side of river across
road; *Pinus* / *Taraxacum* imm in
moist rotten log / soil in small
mesic depression in ravine - few
spiders on drier slopes under
rocks & logs

MCN 06-131 CA: Tuolumne Co., Hwy 108, just
W of Long Barn N38.08946
W120.15106 Elev ~1480m
22 Nov. 2006 - working under downed
logs / bark on N side of Hwy,
disturbed pine forest
- *Cybebes*, *Glyptotendipes* common

MCN 06-132 CA: Tuolumne Co., Hwy 108, just
E of Sugar Pine N38.06454
W120.19540 Elev ~1390m 22 Nov. 2006
- *Attagynus* on N-facing roadcut, ✓ side
of Hwy

MEH 06-133 CA: Calaveras Co.,
Hwy 26 E South side crossing of
South Fork Mokelumne River
N38.36888 W120.54717 Elev ~ 600
22 Nov, 2006 - *Atripoides* tunnels
fairly common on steep slopes
below rich N-facing rocky
area, south side of river
along highway

MEH 06-134 CA: Amador Co., Hwy 88,
~ 7 mi. NE of Pioneer
N38.49987 W120.50332 Elev ~ 1200
~ Sugar-pine dominated forest
on ridgetop, second growth
- *Cellobius* under logs, *Pinus*
♂♀ in pine duff E edge
of moist logs

- Kill in 100%, -80°C (entire or legs only)
- RNA later c per protocol

- prep glycol one month, Transfer to 100%

- Kill in 70%, leave there

- Kill in 95%, transfer to 70%

- Kill in 70% (1-2 days), transfer to 95%

- Small lymphoid - entire

- lymphoid - treat 2 legs

- 37°C H₂O bath, Room Temp, 4-5°C,
-20°C, -80°C

- Standard treatment time = 1 month
(3 months, 6 mos, 1 year for
restricted subset) → best cure xenotrans-
only c RT, 4°C, 200c, -80°C

- 3 replicates per treatment

~90 spiders, + extras for long treatment
influence

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