



SOKKIA™

FIELD
BOOK

No. 8152-60

MCH 01-071 CA: Los Angeles Co., Hwy 138,

0.5 mi. W 165th St. E N34°30.572' W 119°50.662'

Elev. 3100 ft. 3 May, 01'

(Purshia) w/ creosote, *Hymenocler*

tree, upper bridge hrb (*P. glandulosa*)

♂ aramid

♂ *Hymenocler*

♂ *Hymenocler*

♂ *Hymenocler*

MCH 01-072 CA: LA Co., Largo Vista Rd (N4),

1.8 mi. N Big Rock Hwy N34°26.093'

W117°46.690' Elev ~4600 ft 3 May, 01

- pinyon / manzanita hillside

- *Philodromus ventralis* (black-red) collected

♂ subadults, nothing 1-4 weeks later

in 12b

♂/3g *Philodromus pinyonensis* from pinyon

to maturity 1-3 weeks post-collection

MCH 01-073

UT: Washington Co., ~1 mi. SW Jct. I-15 / Hwy 9

N 37°08.995' W 113°27.626' Elev ~3000'

5-27-01 w/ D. Wood, M. Wood, C. Wood,

next (or) CORAL CANYON SSATIES (Subdivided)

Ridge on W side SAND (pink), blowing

over top (E-W) of N-W ridge - *Hymenocler* +

Hymenocler + *Chryso-*

MC# 01-073

- beetles
2 alt ♀, 3 ♂, 3 ♂
possibly H. signatus?
+ Chrysomelids
Hyperbaez, - found
Heuricus group,
stomatids on Hyperbaez

MC# 01-074

UT: KANE Co., CORAL PINK
SAND Dunes, off Hurock Rd., ~ 1/2 mi.
E Ponderosa Grove Campground N 37° 05.568'

W 112° 39.707' Elev. ~ 6300 ft. 5-27-01
- pinon / juniper / Atriplex on dune periphery /
dunes w/ sunflower (not in flower) Chrysomelids
- wandering ♂ night - ♂ Allophanta ♂
fire, scorpions on dunes, ♂ Tamias on dunes (from veg?)
♂ black lipped in wrapper before dunes, ♂ emphid
on sunflower, OATMEAL TRAILS on dunes,
~ sandy road leading from camp in
woods → checked c ~ 8:30, 2521m E 103°
- lots of small sandhoppers, collected ~
dozen (temp mild, no wind)

MC# 01-075

UT: KANE Co., CORAL PINK SAND Dunes,
Hurock Rd. 1.5 mi. E just w/ STATE PARK ROAD
N 37° 05.009' W 112° 40.859' Elev ~ 6400'

5-27-01, 49 near veg, plant not on. No milk,
- suggested we are late, Great habitat! Fairly open dune
w/ sparse grasses. All 9's found near sunflower spp.

4.1

MC# 01-076

UT: Garfield Co., Hwy 12, ~ 1 mi.
W just w/ Hwy 63 N 37° 42.954'
W 112° 13.505' Elev ~ 7000' 5-28-01 28 Hztaws,
- grazed, low Atriplex + w/ 10 flowers
on dirt / sticks, ♂ Tutela, ♂ Thurstonia
Atriplex sticks; p ♂ phalacro / Xystris on
ground

MC# 01-077

UT: Garfield Co., Hwy 12 ~ 2 mi.
STEPHEN OVERLOOK, Dixie HF N 38° 00.706'
W 110° 22.239' Elev ~ 9300' 5-28-01
- ♂ ♀ Hesperis, ♂ ♀ Pellaea - meadow edge, short
grass, scattered rocks

MC# 01-078

UT: Emery Co., San Rafael, ~ 1 mi.
E GILSON BUTTE WELL (BLM), N Hanksville
N 38° 35.153' W 110° 34.528' Elev ~ 5200 ft.
5-28/5-29-01 - extensive low dunes all along
Hwy, vic road to Goblin SP - camped in
sandy area east of highway, arriving
early evening (almost dusk). Veg in good
shape, many tunnels (by sunflower, lupines),
mostly Chrysomelids? as dominant scrubs.
- sand trappers at night & batman
trail → very common. Also many
Stano phantus on surface, collected
3-4.

MCH 01-078 ♂♀ settled, either Pelicans or Hebrantus??, NOT obvious collected @ night near campfire, pebbly / dirt stabilized area in midst of sand. ♂ in jar, disturbed from nest? ♀ in bowl pile, we had stalked these earlier → both disturbed from nest??

- found 4 ♀ H. amiers - 1 ♂ c night, could see nest impression in open sand; 3 ♀ in early A.M. (before 9 AM), all on open sand to COMING out of nests too late for ♂♂s.

- beetles: Colours? in morning, none seen @ night, meloids on flowers; spider beetles in AM on sand.

MCH 01-079 UT: Emery Co, Hwy 24, 1 mi. S Inet w/ I-70, along Star Relief River N 38° 54.194' W 110° 22.055' ELEV ~ 4200 ft

5-29-01 w/ M. Lowden - scadscale scrub + chelonopods - beating nearby Atriplex sp.

2 ♂ Hesperomys? / 1 ♂ Hesperomys group, perhaps "LAKE HASTY" form!!! ♂ mimids, ♂♀ M. nevadensis, ♂ dichynid, ♂ S. hawleyi, philodromids from Sueda?, some chelonopods.

Ghost Rock

MCH 01-080 UT: Emery Co, INDIANASC 70, ~66 mi. E Inet Hwy 89 North N 38° 51.823' W 110° 48.873' ELEV ~ 7300 ft. 5-29-01 (vic. MILE 120)

- pinon / juniper, w/ Atriplex along roadside pullout; ♂, imm Philodromus from pinon; Xysticus from pinon; P. histrio from Atriplex; Theridion from Atriplex;

MCH 01-081 UT: Millard Co., Pahvant Range, Willow Creek N 38° 58.874' W 112° 05.565' ELEV ~ 7400' ft. 5-29-01 streamside meadow / dry - ♂ Micrurus on ground

MCH 01-082 UT: Millard Co., Pahvant Range, SILENT PAUTE ATV TR / FR 096 (TO JACKS PEAK) N 38° 57.553' W 112° 06.431' ELEV ~ 9400' 5-29-01 - mixed shrub / herb / sparse walks along veldtop, few trees - many adult ♂ / ♀ Hemerodromus group, cf. americanus but w/ dark face / leg I

MCH 01-083 UT: Millard Co., Hwy 50, 6 mi. W HOLDEN N 39° 08.054' W 112° 21.760' ELEV 4800' 5-29-01 ♀ moulting in web on Chrysomelids, ♂ Micromys from Chrysomelids on dunes c dusk; large orthop

on dunes c dusk

w/ sparse herb. veg. Rained the prev. day but seemed to have little to no effect on their activity. Coscinotus - ♂ crouched, flashed abdomen, wagged the abd., all w/m ~ 2 in at 7. (Hdms). H. sansei ♀ agillii member both associated w/ Atropis.

MCH 01-088 WY: Carbon Co., ~1 mi. N Seminole SP, juniper/ pine hills N 42° 08.588' W 106° 54.138' ELEV ~ 6700 ft. 5-31-07 -bedding juniper / 2 pine species - Philodromus (3 sp?), Tarax, Xysticus, Pelignia, ++ Helypetrus ♂♀ in pine litter / Haltinus ♂ on open/dirty ground

MCH 01-089 WY: Sweetwater Co., Kilpecker Dunes, W side (edge), vic. Old Railroad Grade N 42° 01.748' W 109° 15.578' ELEV ~ 6800 ft 5-31/6-1-01, 154, 12 ♂ H. amicor; All 7's collected b/w 6-8 pm, although abundant b/w 8-10 am also, ♂'s less common, but also collected in evening and morn. Both 9's & ♂'s were most common during periods of strong wind, when disturbed they would jump. ♀ has been a considerable distance. Tachinids common in morning w/ almost no wind, having low ♀ landing often → H. amicor rare during this period. Are Tachinids affecting their behavior? → H. amicor seem to become more common as wind increased and Tach. decreased in abundance

MCH 01-084 UT: Juab Co., Little Schatz Rec Area N 39° 40.038' W 112° 20.336' ELEV ~ 5000 ft 5-30-01: Dunes SE, of Sand Mat. Hiked ~ 1 mi. South into dunes. 54 H. amicor (~2.5 hrs) All on open sand near sparse veg. Population clearly put. Not particularly cryptic at all! No males

MCH 01-085 UT: Rich Co., I-80, Exit 35 Cedar Rtn N Exit N 41° 30.504' W 109° 58.875' ELEV ~ 6600 ft 5-30-07 4 ♂ Hesperidius? in short grass exit, disturbed; Xysticus, present on ground

MCH 01-086 WY: Sweetwater Co., I-80 vic Cedar Rtn N Exit N 41° 30.504' W 109° 58.875' ELEV ~ 6600 ft 5-30-07 changed / Atropis scrub - ♂♀ Hesperidius / ♂♀ Philodromus hirsuto - both scabs / many Philodromus sp (Cryst) on changed / imm Tibellus / Salticus

MCH 01-087 WY: Carbon Co., ~3 mi SW Seminole SP, along Rankin Creek on dunes N 42° 06.058' W 106° 56.965' ELEV 6600 ft. 5-31-01: 16 ♂♀ and 10 ♂ H. amicor, 1 ♂ H. sansei, 19, 1 ♂ agillii group. amicor → ~ 8:00-10:30 AM many adult, clean H. amicor on dunes, associated

MCH 01-090 WY: Sweetwater Co., Edgewood,
 Sweetwater County Park N 42° 03' 28.9"
 W 109° 26' 26.3" Elev 6600 ft 6-07-01
 - cottonwood bitter w/ grass @ roadside
 park; 5♀ Hgys common

MCH 01-091 WY: Sublette Co. Fremont Lake Rd.,
 End-of-Tire Rd. CG N 43° 00' 16.7"
 W 109° 45' 12.9" Elev 9400 ft 6-11-01 / grass
 - grassy boulder field, 5♀ Pellaea on rocks,
 large darters; many immatures

MCH 01-092 WY: Sublette Co. Fremont Lake Rd.,
 ~ 7 mi. N Pinedale N 42° 56' 6.81" W 109° 46' 4.33"
 Elev ~ 8000 ft 6-11-01 - aspen / Asteroides,
 grass / herbs on hillside - 5♀
 Hemitelia, preferring grassy spots
 5♀ Hemitelia
 * Hemitelia @ lower elevations here, not
 @ or near treeline ??

MCH 01-093 ID: Fremont Co., St. Anthony Dunes,
 Northrup Arm (crossing) @ Grassy Ridge Road
 N 44° 04' 46.0" W 111° 52' 33.9" Elev ~ 5500 ft.
 6-11-02-01 - low sandhills in Actinorhiza /
 Chrysothamnus scrubland - some open dune, some
 stabilized by very incubated, herbs / grasses

01-093 St. Anthony Dunes →
 Hemitelia on ground in open areas,
 areas of sand between scrubs. All
 ♀♀ collected, some "shaded" but
 in ground stage generally, but
 no 3rd inst. found. Other spiders
 collected @ night on sand. Some
 spiders (philodromids) best for scrubs.

MCH 01-094 ID: Power Co., I-86, 1/2 mi. N
 Coldwater Exit N 42° 37' 03.5" W 113° 07' 22.5"
 Elev 14300 ft 6-2-01 - sage / Atriplex / Juniper
 grading to riparian w/ willows / oak / +
 - beetles - many philodromids, the Hemitelia, Lelegrina,
 Metaphidippus, Hemitelia, P. histrio common on sage
 Xysticus, Allophane on ground
 * site between American Falls / Twin Falls

MCH 01-095 ID: Owyhee Co., Bureau Dunes SP
 N 42° 53' 45.5" W 115° 41' 33.5" Elev ~ 2500 ft.
 6-3-01 - walking sparse Actinorhiza / Chrysothamnus
 + herbs / grass low-lying dunes on
 for side (N) of 2-10 peaks. Many philodromids
 + others on slopes / (sage) - 5 Hemitelia
 in some Distichlis? on sand, vic (vibe) +
 5 Hgys in grass Hemitelia, 5 Hemitelia grass / willows

01-095 Bruner Dunes SP

NOTES on H. samiricus: 89 adult, located at base of large dune on SE side of dune complex. Population clearly paired. No males. A few new females, most not. All collected on ground. Best Atropis and Chrysothamnus, but no amir found. Many egg sacs seen near base of grass clumps and a few in open sand, again suggesting the population is paired. Cool w/ strong winds throughout most of the day.

95

MEH 01-094 10: Washington Co., Hwy 95

Put Area 3.4 mi. S Midvale N 46° 26.735' W 116° 48.014' Elev ~3200 ft. 6-3-07

• better, voracious shrub c. roadside (Purshia)

Hampden Rd
Washington Sandhills

MEH 01-094 WA: Adams Co., Hwy 26 N 46° 46.870'

W Waltham off Hwy 26 ~1500 ft. 6-4-01

W 118° 31.306' Elev mostly stabilized by Artemisia - sand hills, mostly blowout zone w/ sparse

+ grasses, but w/ blowout zone w/ sparse

herbaceous veg. Cool. Pop. mostly post; no (or midday), but cool. Pop. mostly post; no

50% seen. ~10 animals collected. Some subad. H. Some 44's in

40% possible shripelids. Not visible

MEH 01-098 WA: Grant Co., Hwy 243

uc Basely, on Columbia River Elev. ~500 ft.

N 46° 50.244' W 119° 56.359' (Purshia)

6-4-07 - voracious scrub → philodromids selfs

+ riverside trees → philodromids selfs

bestiary

MEH 01-099 WA: Grant Co., Hwy 243, Saddle

Mtn. on Columbia River N 46° 48.151'

W 119° 55.340' Elev ~500 ft. 6-4-07 - sand

accumulations on saddle mtn. basalts, sun bleached

side of river along highway - mostly open

side w/ Chrysothamnus, sparse grasses / leeks

+ philodromids ++ common on scrubs. Hemicus

in open ground, more common c. sand coals

in evening. 80% w/ bled, eggs not great

(cohort old). spiders very common under

Chryso, retreating from hot sun? Many

spiders in retreats. large subadults common.

MEH 01-100 OR: Umatilla Co., Hwy 730, 12.5 mi

E Umatilla (eggs) sand hills S side of Columbia

River N 45° 56.709' W 119° 04.149'

Elev. ~370 ft. 6-5-07 - sand blowout on

south side of tracks, limited in size (3-5 acres) -

Atropis + Purshia scattered

- 8 shiny Philodromus / 14 shiny Philodromus better

low shrubs - common

MCH 01-100 E Unatilla → Hamicus
 collected mostly adult ♀♀, some
 immature ♀♀ (1, 2 molts from maturity),
 p ♂♂. Spiders both in open
 sand (essentially no herbs), and
 under Atriplex. collecting under
Atriplex best when sand blowing
 over low-growing
 many egg sacs found, most dense
 in association w/ grass bundles.
 Spiderlings seen. too late for
 adult ♂♂, but w/ 2 generations
 per year ??

MCH 01-101 WA: Klickitat Co., Hwy 14,
 Sand Spring Cyn, ~1 mi. W of Goodhue
 STA Rd. N 45° 43.507' W 120° 31.520'
 SW ~300 ft. 6-5-01. Collected late in the
 evening. 2 ♀, 3 ♂? Hamicus collected on ?
 ground, in sparse veg. Multiple generations?
 Hand beating Chrysomelids did not yield amicus.

MCH 01-102 OR: Crook Co., Powell
Buttes (see MCH 00-086) N 44° 11.769'
 W 120° 01.622' Elev ~3500 ft. 6-6-01
 -sandy area in Juniper / Artemisia / Purshia
 habitat - Xysticus / Polygona beetles
Juniper; 8 adult ♀ Hamicus in
 open sand in LM, very short activity
 window. sand = quartz-based

MCH 01-103 OR: Deschutes Co., Hwy 97, ~8 mi.
 N Lapine N 43° 46.990' W 121° 26.925'
 Elev ~4300 ft. 6-6-01 - old gravel
 pit?? (EAST of Hwy 97) accumulation in east
 edge, crest of bowl - 2 ♀ Hamicus
 on ground, 2 ♂ Hamicus on small
 stones - all 4 in w/in 10x10 yd radius
 w/ sandier soil - surrounding kib
 dirtier. sand = decomposed basalt? / pumice?

MCH 01-104 OR: PD 6-6-01
Pumice Desert 6-6-01
 Like 00-081
 - approx 300-400 yards W of parking, near slightly
 south - slope leading into large central bowl,
 w/ some sand, many pumice / gravel
 2 ♂ / 2 Hamicus on rocks in
 mid-pm, kindly coast, some
 wind.

MCH 01.105 OR: Klamath Co., Hwy 138, 8.6 mi W just w/ Hwy 97 Winema NF N 43° 05' 33" W 122° 00' 33" ELEV. ~ 5300 ft
6.6.07 - yellow pine forest w/ manzanita / other eric scrubs - getting here - large Philodromus?, Hesperomys scabrid, 3 Agelaius

MCH 01.106 OR: Lake Co., N side Summer Lake, off Rogers Road (see MCH 00.082)

6-6/6-7-01 - low, mostly stabilized, dunes very Chrysothamnus, w/ Atriplex on ridge / hardpan interspersed areas. grasses herbs mixed in. Found rubbied Hesperomys camp, probably disturbed from nest, same for Hesperomys, in AM, awoke to warm weather, perhaps waking too late for most Hesperomys? found 1 ♀ on ground / 1 ♀ under Chryso - more evidence??
- in AM, after fr. Hesperomys ♀ in sand, found 1 ♀ Hesperomys (perhaps trapped partially) most on open ground but some under Chryso, hind-beaten from Chryso ♀♀ look like Hesperomys (wood) but 1 ♀ - Hesperomys??

MCH 01.107 OR: Lake Co., Hwy 95, Alkali Lake Dunes, 9.3 mi. S just Christmas Valley rd N 43° 01' 05" W 119° 50' 21" ELEV ~ 4300 ft
6.7.07 - Hesperomys ♀ / pup on scrubs on W side of highway - very hot, so unlikely to find spiders on ground this time of day

- Hesperomys ♂ ♀ on ground w/ less sand on E side of road, beaten from scrubs

- apparently an ecological difference between species, Hesperomys on sand, Hesperomys on ground w/ more stabilization, slightly barren??

MCH 01.108 OR: Harney Co., Mills E of Harney Lake N 42° 41' 40" W 118° 23' 64" ELEV ~ 4600 ft
6.7.07 - sage basin - various spiders + soiled C right near fire

MCH 01-109

Catlow Valley
W 118° 53.220' SW - 4600 ft. 6-8-01
cattle-degraded dune just W of Hwy.
205 (Cathartes V Road) - beetling Chrysobothris +
yaws Artemisia, ~8 adult ♀, 1 egg, 1 ♂
Hammies - up on scrubs - others

MCH 01-110

NV: Humboldt Co., Hwy 140 C
Continental Lake N 41° 54.558'
W 118° 44.119' SW ~4300 ft. 6-8-01
- saltgrass & edge of dry lake; several
♂, 2 ♀ Hesperis !! on salting, upper
ground w/ sparse grass - wet/dry interface.
♂ Hesperis C stragglers ??

MCH 01-111

NV: Humboldt Co., ~1 mi. S Denis
N 41° 58.697' W 118° 34.956' SW, 4200'
6-8-01 roadside stabilized dunes - Artemisia,
Artemisia Group

MCH 01-112

NV: Humboldt Co., Crescent Dunes,
SW 5400 Pass Rd. N 41° 07.517'
W 117° 49.646' SW ~4300 ft. 6-8/6-9-01

MCH 01-113

NV: Humboldt Co., Humboldt River
E Rainbow Lane (495), just N Winnemucca N 41° 00.060'
W 117° 43.505' SW ~4300' 6-9-01
- riverside shrub grass, willow sticks, zorroweed
litter - Hesperis (25, ♀) adult, 1 ♀
Hesperis?

MCH 01-114

NV: Pershing Co., Rye Patch Spt.,
just below dam N 40° 28.042' W 118° 13.412'
SW ~4100 ft. 6-9-01 river-side grass/willow
litter 2 ♂ Hesperis seen - not coll'd
♀ Hesperis group 1 ♂ Tibellus

MCH 01-115

NV: Pershing Co., Lovelock, along RR
trucks N 40° 11.214' W 118° 28.101' SW. 4000 ft.
6-9-01 - gnats along RR tracks, road

28/107 Hesperis

MCH 01-116 NV: Lyon Co., ~1 mi. NE Jct
 Exit 48 (I-80), Fernley N 39° 37' 126"
 119° 12' 920' Elev ~4100' ft 6-9-07
 - sparse Artemisia, Psoralea, # on sandy
 soils (coarse sand) NE of Fernley, saw
 accumulation on hills. Collected several
 H of signatus (like Summer lake) several
 ♀♀, single ♂ - all on flowering
Psoralea stems v. old small
 Self-seed active on ground.
 * if the signatus are using the ground @ the
 the north, why found only in flowering
Psoralea in grass shape (many after
Atriplex tried) ?? Hot dry - must be
 on scrubs like tristis!

MCH 01-117 NV: Washoe Co., Washoe Lake
 State Park
 6-9-07 39.246 -119.7668

MCH 01-118 CA: Alpine Co., ~1/2 mi. W
 Monitor Pass
 6-10-01 - mid-late AM, cloudy/mixed sun. In
 Hemlock on small rocks in 'bowl' W side
 of small valley w/ central pnts. As site
 went, found adult ♀♀ seen on
 small rocks. No sign of ♂♂.
 - Philodromus beating Smicrops? (perhaps
 w red center?)

MCH 01-119 CA: Mono Co., Hwy 89, ~6 mi. NW
 Jct w/ Hwy 395 N 39° 39' 776' W 119° 35' 563
 Elev ~7300 ft. 6-10-07 pinyon/juniper s-fairy
 spruce/mahogany N-feeding. Philodromus
 pinyon? ♂♀ on pinyon; very little on
 spruce

MCH 01-120 CA: Mono Co., Hwy 120, Tioga Lake
 N 37° 55' 793' W 119° 15' 091' Elev ~9600 ft.
 6-10-01 Hemerocallis - sparse v. old / low
 leaves, some bulbous

MCH 01-121 CA: Mono Co., Hwy 120, Ellery Lake
 N 37° 56' 139' W 119° 13' 986' Elev ~9550 ft.
 6-10-01 Hemerocallis v. bulbous

Allophora small rolls / tubes

MCH 01-122 CA: San Diego Co., Bunt
 Rancho CG, off Sunrise Hwy (S1)
 N 32° 51.853' W 116° 25.043' Elev ~ 6000 ft
 6-23-07

MCH 01-123 CA: Siskiyou Co., end of
 Hwy A-10, Mt. Shasta, ~ 1/4 mi. above
 Panther Meadows, first parking lot, W
 ~ 200 yards in pumice flats N 40° 21.707'
 W 122° 12.294' Elev ~ 7800 8-10 July, 01
 16♂ *H. amicus*, 9♀ *H. amicus*, 3♂ *H. kubel*,
 13♂ *H. americanus*, 19 *H. americanus*, 15 *Philodromus*

MCH 01-124 CA: Siskiyou Co., vic. New Springs,
 S of Mt. Shasta City (~ 1/4 mi. SW
 Springs, S of creek) N 41° 15.733'
 W 120° 19.251' Elev ~ 5900 ft. 9 July, 01



01-124 epilionids along large boulders/outcrops
 on north side of creek, darker areas,
Hypodulus kastoni fairly common on
 very large outcrop ~ 100 yards above creek,
 N-side, spiders on N-facing side, low
 to → none found in appropriate
 habitat leading to large boulder
 - collected 2♂ / ♀ adult; 2 immatures - saw
 other immatures

MCH 01-125 CA: Siskiyou Co., Castle Lake,
 above lake on Mt. Bradley Lookout Trail
 N 41° 13.820' W 122° 27.393' Elev ~ 5900'
 10 July, 01 2♂ / 2♀ *H. amicus* in
 open rocky area w/ low herbs - "pine",
 & McCloud, Lake Siskiyou

MCH 01-126 CA: Shasta Co., above McCloud River arm
 of Shasta Lake, ~ 1 mi. W of Seta's Peak
 N 41° 01.078' W 122° 10.075' Elev ~ 3800 ft.
 11 July, 01 - mostly dapples for forest
 w/ limestone outcrop, some forest old growth
 - collected *Sitona*? under limestone slabs
 on moist, N-facing situation mist / dark -
 animals common in appropriate situation
 - *Philodromus* (3 sp.) from veg, including
 orks / evergreens. 1 millipede / pseudoscorp
 1 under rotten log

W of Scott Mtn Summit

MCH 01-127 CA: Trinity Co., Pacific Crest Trail between Hwy 3 / West Boulder Lake

Elev ~ 2000-2200 meters

11 July, 01; 3♂ *H. oreogaster* - sitting on rocks in

scree habitat w/ scattered pine; 14, 15 *H. amicus* habitat

same as *H. oreogaster*; 1♂ *H. juncatus* in pine litter

near trail.

MCH 01-128 CA: Shasta Co., Subway Causeway Hwy 89

N of old station N 40° 41.093' W 122° 25.175'

Elev ~ 4000 ft. 12 July, 01 - collecting

c night; lava tube opposite directive breakdown

of "public" cave; first trace

past fence

egg found

public trail

collected *Taraxacum* wandering on moist breakdown

search tube further down from breakdown w/ pin

salmon - animal in same place c collector

in 95'; *Neotoma silvestrii* in webs vic breakdown

more common higher towards roof w/ more

organisms?? collected adult ♂, ♀, ♀ w/ 1st

stage - saw many other eggs, imm.

MCH 01-129 CA: Shasta Co., Hwy 89, S of

old station, picnic area along Hat Creek

near Hat Creek CG Elev ~ 4400'

13 July, 01 *H. amicus* on pine litter

MCH 01-130 CA: Plumas Co., Middle Fork

Fetter River, just E bridge c Mohawk Rd -

Hwy 40A N 39° 46.952' W 120° 37.947'

Elev ~ 4300 ft. 13 July, 01; 1♀, 5♂ *H. amicus*

on ground associated w/ *Salix* (habitat or site)

from sand. Population clearly passed.

MCH 01-131 CA: Mono Co., SE side Mono

Lake, stabilized nurse dunes, N of

Mono Mills N 37° 56.369' W 118° 56.213'

Elev ~ 6700 ft. 15 July, 01 - juvenile

H. amicus c 60% of small *Chrysobothris*

(w/out litter) in sandy openings, most

found in retreats of silk (+1 adult ♀).

MCH 01-132 CA: Inyo Co., just E of Owens

River c Aberdeen JTA Rd, off Hwy 395,

~ 13.3 mi. N Independence N 37° 01.291'

W 118° 15.293' Elev. ~ 1100 meters

15 July, 01 - small (2nd instar??) *Hebertellus*

begin from spiny *Atriplex* on sandy

soils, mostly chenopods. Not *Atriplex* w/ *H. juncatus* present

MCH 01-133 CA: Inyo Co., vic just
Hwy 395/14 W side Indian Wells Valley
N 35° 45' W 117° 52' 30" Elev ~ 800 ft
15 July 01 Hesperomys from roadside
Ambrosia / Hesperomys

MCH 01-134 NC: Haywood Co., Pisgah NF,
Fitz Branch
T.B. District, S of Waterville,
Creek N 35° 44' 44" W 083° 04' 43"
Elev. ~ 2200 feet 18 August 2001
1-hr. Nesting survey: (21 + 14) immatures
seen, not collected; 1 adult ♂, 11 ad +
♀♀ collected; rock pile on NE-facing hill
below road, just above creek; Hypocichla
poecadi common on boulders / outcrops along
road just before crossing stream.

* imm 3210-3220
ad min road
by turning rocks in
place w/ good
space beneath

MCH 01-135 NC: Haywood Co., Pisgah NF, Pisgah
vic. Dogwood Flats,
N 35° 43' 20" W 083° 04' 38" Elev ~ 1700 ft
8-18-01 beautiful talus slope above road
but highly exposed, NE facing, no
boulders

COVE CREEK GAP

COVE CREEK GAP

MCH 01-135 Found no Nestus in ~15 min
time in rocks above road - too dry??, not
enough space??, went below road,
looking under large shelves for spiders
in webs; found 2 ♂♂, several ♀♀ (3)
in 20 minutes time
* imm 3221-3241

MCH 01-136 NC: Haywood Co., FR 288 along
Pigeon River N 35° 43' 56" W 083° 01' 58"
Elev ~ 1900 ft 8-18-01 collecting
where FR 288 first hits Pigeon R from
above. dry rock piles above road,
1 ♂, 4 ♀, 1 imm Nestus in
30 minute search; Hypocichla
collected on rocks
- site drier than previous 2 → rock
accumulations ~ E/NE facing, much better
habitat just down road towards Hwy 1-40

MCH 01-137 NC: Haywood Co., Pisgah NF, along
Cold Spring Creek, FR 148 N 35° 45' 56"
W 082° 59' 72" Elev ~ 2600 ft 8-19-01
1-hr. Nesting survey along creek (S-side),
outcrops S of creek. Spiders sparse, more
right along creek in deep
shrub (4 + 3 immatures), 8 ♂♂ collected, 2 ♀
Hypocichla collected imm 3243-3245

COVE CREEK GAP

LEMON GAP

(~3 mi. W Rethunzke Gap)

MCH 01-138 TN: Cocke Co., SE of Round Mt. Gap
N 35° 50.437' W 082° 56.905' Ew ~3700 ft

8-19-01 - boulderfield along "Rethunzke Gap"
RD, not far from Round Mt. CG (~5 mi. NE)

- Hypocistis, ♀ Nestius (7 adult?), no
immatures, flipping rocks w/ spade, better?

2 prs Maeriz on litter / rocks

habitat just down road to east

MCH 01-139 NC: Madison Co., Hwy 209, ~1/2 mi. W
Rocky Bluff CG Little Area, Pisgah NF

N 35° 51.595' W 082° 51.012' Ew ~900 ft

8-19-01 - roadside rockpile, disturbed,
some rocks from road construction; moist

ravine, 30 min Nestius survey - 4 imm / 19

seen, not collected; 1 ♂, 12 ♀ collected;

Hypocistis collected

images 3247-3265

MCH 01-140 NC: Madison Co., ~1/4 mi. N of Rich
Mtn Lookout (~2 mi. by road), Pisgah NF

N 35° 55.875' W 082° 48.360' Ew ~3540 ft

8-19-01 - small boulderfield below road, 26 min
drone, N. facing; 30 min Nestius survey

6 immatures seen, not collected; others present

SPRING CREEK

LEMON GAP

MCH 01-140

Rich Mtn. - adult Hypocistis
collected, no immatures (for DNA work)
seen.

images 3266-3272

MCH 01-141 NC: McDowell Co., Newberry Creek
N of Old Fort N 35° 40.951' W 082° 13.019'

Elev ~2100 ft. 8-20-01

30 min Nestius survey - 1 immature seen,
not collected; other adult ♀♀ collected.

nice moss-covered boulderfield on E side

Newberry Creek, past gate, just past

first bridge; Hypocistis seen on

large boulder outcrops along creek

w/ Rod McManahan, NF Wildlife Biologist

* failed Nestius site - Cuthbert Creek N 35° 43.598' W 082° 11.975'

Elev ~3700 feet.

MCH 01-142 NC: Yancey Co., FR 1074, S of Big Laurel
Mtn., N off BRP N 35° 44.403' W 082° 11.944'

Elev ~3900 ft. 8-10-01 * images 3274-3275

~2 hours searching in NE-facing boulderfield

along road - Nestius very scarce, collected

1 imm, 1 ♂, 1 ♀

habitat seemingly good moist, rocks w/ sparse

which not much spiders?

Hypocistis seen? on rocks, not common.

MCN 01-143

NC: Yancey Co., FR 472, 2/10/55
South Toe River
Elev ~ 3200 ft. 8-20-01
30-min Nesting survey
Nestling
N side of South Toe River
common
Hypochilus slezi?
imago 3276-3282

OLD TOAT

MCN 01-144

NC: Madison Co., East Prong
Hickory Fork Creek
Elev ~ 2200 ft. 8-21-01
30-min Nesting survey
in very limited, N-facing rocks near
large streamside boulder
Hypochilus common on rocks along
road

WHITE ROCK

MCN 01-145

TN: Unicoi Co., Hwy 352, E
of Rocks Fork
N 36° 03.96' W 082° 31.46' Elev ~ 2100 ft.
8-21-01 Hypochilus on rocks along road
(recent roadcut), boulders above stream on
S-side of road

(3 mi. W Sioux)

MCN 01-146

NC: Yancey Co., Hwy 19W,
E of Spivey Gap, Pisgah NF, 2/10/55
Big Creek
Elev ~ 2900 ft. 8-21-01 hemlock + rhodod forest
on N side of Hwy, S-facing aspect,
gently-sloping w/ rocky dry ravine,
scattered rocks in rhodod little above
dry bed. 2 ♀, 1 ♂ Nestling under
rock shelves in w/ hour collected;
dry, suboptimal; found many
Fumantana? under rocks in
richer area w/ much litter; Suberba
+ B. Rhynella? also found

CITISPA

MCN 01-147

NC: Mitchell Co., Pigeon Roost Creek,
Pisgah NF, FR 235, N of Nolanducky, 12/10/55
N 36° 05.89' W 082° 06.98' Elev ~ 2800 ft.
8-21-01 along lower part of Pigeon Roost Creek
on gravel FR road; lots of rock, large
boulders along stream, particularly chalk, moist
on W side; 30 min Nestling - 4 immature
seen, not collected; 1 adult ♂, ♀♀
collected under rocks (slipping), also
under deep crevices of large boulders.
*imago 3293-3301 (Hypochilus + habitat)

HUNTDAL

*imago 3285-3292 (Opilicid - Spinn, Gray RA)

~Chimney End Ridge

NC: Mitchell Co., Hwy 261, lower

MTN. N 36° 05.571 W 082° 05.593

Elw. ~4800 ft. 8-21-01

- road fill on N-facing slope, Nestius

very common, ~15 collected in 15

minutes

TN: Carter Co., Hwy 143, ~2 mi.

S of Roan Mt (Tousus) N 36° 11.034

W 082° 04.436 Elw. ~2600 ft. 8-22-01

Hypochilus poecilus collected on roadside

overhanging S-facing

overhanging

NC: Mitchell Co., Roan Mountain

High Bluff N 36° 05.587 W 082° 08.08

Elw. ~6300 ft. 8-22-01

- NW-facing cliffs / bluffs, looking for Nestius

in deep crevices / breakdown caves below

trail overlook collected several ♂, ♀, in

in ~1 hour of searching

* Also found Microhyla monticola under moss

mats on cliffs, not too wet / not too

dry - saw several under single mat

none collected, No Hypochilus

NC: Mitchell Co., Roan

MTN. Cloudland Parking Lot N 36° 06.259

W 082° 07.871 Elw. ~6200 ft. 8-22-01

- berries spruce / fir v. parking lot -

opliuroids (odellus?) ? pseudoscorpions

berries

TN: Carter Co., Grindstaff Cave,

N 36° 17.138 W 082° 09.130 Elw. ~1900

8-22-01 - Nestius present in twilight zone

some in breakdown just inside mouth - most

common left in hole from entrance to

main part of cave collected 1 ♂, 3 ♀

saw many other ♀ (2 w/ egg sacs), other ♂

TN: Carter Co., Dennis Cove Rd. just

above Brenner N 36° 16.705 W 082° 08.910

Elw. ~2300 ft. 8-22-01 Hypochilus poecilus

very common in rock outcrops below

trip in road, on wilderness way,

NE-facing

TN: Carter Co., Dennis Cove Rd. ~1/4 mi.

above Brenner (closer than 01-153) N 36° 16.646

W 082° 09.023 Elw. ~2250 ft. 8-22-01

Nestius common under rocks in cave, most N-facing

worked, below road E facing with birds

DAKESVILLE

MCH 01-155 NC: Avery Co., Elk River Cave, ~1 mi. S Elk River Falls N36°11.229' W081°57.8' Slew ~3000 ft 8-22-01 - roadside crevice cave, w/ Nestora; not quite 30 min survey; Hypochilus perched on large boulders, outcrops above cave on N side of road

MCH 01-156 NC: Watauga Co., Hwy 194, W of Boone C Watauga River crossing N38°11.655' W081°44.705' Slew ~2800 ft 8-23-01 Hypochilus on rock ledge, E of river

MCH 01-157 NC: Ashe Co., Blue Ridge Parkway, ~ Milepost 263 N36°17.621' W081°22.043' Slew 3500 ft 8-23-01 Hypochilus in little on S-facing dead forest; small seep w/ seeps; No Hypochilus

MCH 01-158 NC: Wilkes Co., Stone Mt. SP N36°23.853' W081°03.119' Slew 873-01 - collected gravel crickets + Nestora under bark, streamside overhang; Leioderma c field edge very pine boulder rock overhang; habitats in park, but no Hypochilus? - Excellent mygalomorph habitat?

MCH 01-159 NC: Caldwell Co., Pisgah NF, Boone Fork Campground N36°00.424' W081°36.995' Slew ~4000 ft. 8-23-01 found Hypochilus? colony on single rock outcrop S of camp, ravine S of far sites; walked area found no other rocks w/ spiders; No Nestora w/ limited habitat

MCH 01-160 NC: Caldwell Co., Globe Mtn. Road C Globe Mtn. N36°01.740' W081°39.997' Slew ~1500 ft. 8-24-01 Hypochilus on roadside outcrops

MCH 01-161 NC: Caldwell Co., Pisgah NF, ~~Boone Fork~~ Creek C FL 4071 N36°06.373' W081°41.432' ~2000 ft. 8-24-01 Nestora 30-min survey; many ♂♀ under rock / root shelves along creek, S-facing but moist, dark; few ♀♀ under rocks slipping

CARVER'S GAP
ELK PARK

DAKOTA

Green mtn Creek

McH 01-162 NC: Watauga / Caldwell Co.,
 Hwy 221 N 36° 06.850' W 081° 46.691'
 Elev 2000 ft 8-24-01 - waterfalls
 on roadside, w/ rocky stream up from
 road - excellent - alk, moist habitat.
 Hypodolichus very common, collected some for
 coursework; Nestes common under
 stone ledges on stream edge + higher -
 mostly eggs, immatures

McH 01-163 NC: Avery Co. Poplar NF, Edgemont
 Rd., vic Stakrock Creek 1 mi. below
 Hwy 221 N 36° 05.154' W 081° 48.902'
 Elev ~3900 ft. 8-24-01 - roadside
 breakdowns cave; Nestes very dense -
 perhaps more dense than even seen on surface -
 100' in small cave. No adult eggs, all other pos
 - or imm 4; some eggs, some w/ egg extra.

McH 01-164 NC: Avery Co., Roseboro Rd., just
 past first crossing of Rockhouse Crk. coming
 from Linville N 36° 01.182' W 081° 47.0
 Elev ~2000 ft. 8-24-01 large boulders along stream
 collecting in debris dunes, under smaller
 rocks; 30-min Nesting survey -
 eggs, p's; Hypodolichus collected
 from rocks.

GRANDFATHER MTN

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McH 01-165 NC: Burke Co., Linville Gorge
 N 35° 56.377' W 081° 55.314' Elev ~3000 ft.
 8-25-01 - rock outcrops / crevices along
 river mouth of Bynum Bluff trail
 Nestes common, mostly eggs + p's, no
 adult eggs; Hypodolichus collected
 w/ F. Gayle, P. Babin, N. Dupere

McH 01-166 NC: McDowell Co., Hwy 221, 1 mi.
 N Linville Gorge N 35° 55.603'
 W 081° 56.406' Elev ~2400 ft. 8-25-01
 30-min Nesting survey - spiders incredibly common -
 saw, did not collect (24 + 46 imm); 2 adult ♂,
 eggs imm collected; boulder field on E
 side of highway

McH 01-167 NC: Buncombe Co., Hwy 197 1/2 mi.
 Barnardsville, creek crossing W of Cane River Gap
 N 35° 48.207' W 082° 21.248' Elev ~3800 ft.
 8-26-01

- disturbed habitat below road, road fill +
 natural boulder field; collected Nestes
 + Hypodolichus

McH 01-168

MCH 01-168 NC: Burke Co. Pisgah
Walker Branch vic Walker Falls
Dillingham Creek W 082° 21.5°

FR 74 N 35° 46.064 W 082° 21.5°
Elw ~ 3700 ft. 8-26-01
- 30-mib Nesting survey - 10 imm seen, not
collected; collected 99 imm;
in rock overhangs along stream

MCH 01-169 NC: Burke Co. Vance
Balsam Gap jva + downs
TRAIL N 35° 44.923' 8-26-01
Big Butt ELW ~ 5200 ft. 8-26-01
W 082° 19.927 left of trail
rocks below road, lot
00 meters from parking - Nesting; collected
5 imm seen, not collected - Nesting time - near
99, 99 in ~ 45 minutes time - near
fairly common in limited habitat.

MCH 01-170 NC: Vance Co. Hwy 128
f. Mt. Mitchell SP Pisgah NF, vic
Stamps Gap N 35° 44.731 W 082° 16.650
Elw ~ 6200 ft. 8-26-01 1 ♀, 284 Nest
under rock overhang - habitat
to WNK (it difficult to flip rocks
few good overhangs)

MCH 01-171 NC: McDowell Co. Hwy 74
Buck Creek 10 mi above jva
N 35° 45.635 W 082° 09.434 Elw.
~ 2800 ft. 8-27-01 Hypochilus
in relatively exposed (SW-facing) overhangs
e roadside; road fill rocks below
but too dry? for nestings

MCH 01-172 NC: McDowell Co. Andrews
Side of Mill Creek ~ 200 meters south
N 35° 39.060' W 082° 14.472 Elw ~ 1800 ft.
8-27-01 Hypochilus seen along stream
under rock shelves, snail-like rocks
NW

MCH 01-173 NC: Buncombe Co. Hwy 74
of Hickory WNK GAP N 35° 29.430'
W 082° 21.645 Elw. 2800 ft. 8-27-01
- same site C MCH 99-013; Hypochilus
in rocks; 1 ♀ Nuthatch, many
rocks in bowl-like field. nestings under

MCH 01-174 NC: Rutherford Co. Chimney
Park N 35° 25.840 W 082° 14.800 Elw ~ 1800 ft.
8-24-01 Hypochilus 1 ♀ imm in
rock overhangs

MCH 01-175 NC: Rutherford Co. Chimney
Rock N 35° 25.840 W 082° 14.800 Elw ~ 1800 ft.
8-24-01 Hypochilus 1 ♀ imm in
rock overhangs

MCH 01-176 NC: Rutherford Co. Chimney
Rock N 35° 25.840 W 082° 14.800 Elw ~ 1800 ft.
8-24-01 Hypochilus 1 ♀ imm in
rock overhangs

MCH 01-177 NC: Rutherford Co. Chimney
Rock N 35° 25.840 W 082° 14.800 Elw ~ 1800 ft.
8-24-01 Hypochilus 1 ♀ imm in
rock overhangs

MCH 01-178 NC: Rutherford Co. Chimney
Rock N 35° 25.840 W 082° 14.800 Elw ~ 1800 ft.
8-24-01 Hypochilus 1 ♀ imm in
rock overhangs

MCH 01-179 NC: Rutherford Co. Chimney
Rock N 35° 25.840 W 082° 14.800 Elw ~ 1800 ft.
8-24-01 Hypochilus 1 ♀ imm in
rock overhangs

MCH 01-180 NC: Rutherford Co. Chimney
Rock N 35° 25.840 W 082° 14.800 Elw ~ 1800 ft.
8-24-01 Hypochilus 1 ♀ imm in
rock overhangs

MCH 01-181 NC: Rutherford Co. Chimney
Rock N 35° 25.840 W 082° 14.800 Elw ~ 1800 ft.
8-24-01 Hypochilus 1 ♀ imm in
rock overhangs

MCH 01-182 NC: Rutherford Co. Chimney
Rock N 35° 25.840 W 082° 14.800 Elw ~ 1800 ft.
8-24-01 Hypochilus 1 ♀ imm in
rock overhangs

MCH 01-175 NC: Henderson Co., Hwy 9
 e Minn. hbrz falls N 35° 27' 618
 W 082° 17' 278 ELEV 8-27-01
 Hypochilus caryei on both sides of
 road - not common, most on E side
 of road

MCH 01-176 NC: Henderson Co., Hwy 64 along
 Reedy Patch Creek - 2 mi. S just w/
 Hwy 9 / 74 @ B&E Cave N 35° 26' 131 W 082°
 ELEV ~ 500? 8-27-01 - Hypochilus caryei along
 rock overhang in SE side of stream,
 fairly common

MCH 01-177 NC: Polk Co., Holbert Cave Rd.
 N of I-26 N 35° 15' 726 W 082° 17' 047
 ELEV ~ 1500 ft. 8-28-01 - good N-facing bank
 rock pile, but shallow, very dry - no
 nesters ?? few rock outcrops w/out
 Hypochilus

MCH 01-178 NC: Polk Co., Green River Cave Rd.
 ~ 1 mi. NW just w/ Holbert Cave Rd.
 N 35° 15' 235 W 082° 19' 805 ELEV ~ 2000 ft.
 8-28-01 Hypochilus poocki on rock outcrops
 on W side of road, more habitat up
 hill on both W side - 8-29-01

MCH 01-179 NC: Transylvania Co., Hwy 276,
 vic Cedar Mts. N 35° 08' 830 W 082° 40' 002
 ELEV ~ 2700 ft. 8-28-01 dry, exposed
 outcrop E side of highway - Hypochilus
 supraciliatus common

MCH 01-180 NC: Transylvania Co., Hwy 276
 along Davidson River, Brush NF (Copersville Pigeon)
 N 35° 17' 041 W 082° 45' 548 ELEV ~ 2300 ft.
 8-28-01 - collecting in rock pile along
 road just above Ave., moist, mossy,
 ~ 30 min. Nuthatch survey - 29, 1 imm ♀,
 2 ♂♂ Httaw

MCH 01-181 NC: Transylvania Co., Hwy 276,
 2 mi. below(s) BRP N 35° 22' 406 W 082° 47' 116
 ELEV 8-28-01 - nice boulder field above road, but
 S/SW-facing; dry under rocks, perhaps better
 in spring ?? - No Nuthatch, but did collect
 Hypochilus

MCH 01-182 TN: Sevier Co., Wears Cove, Myhr
 Cave - N 35° 42' 970' W 083° 36' 981 ELEV ~ 1900 ft.
 8-29-01 w/ Nestle Dupre - looking for Lyrithids
 X SAME @ 00-148
 2 ♂♂ / 3 Nuthatches in cave, ~ 100' high ht - Many other
 44 seen - including ♀ w/ eggs sac.

MCH 01-183 NC: MAcon Co., Hwy 19
 along Nantahala River, Nantahala NF
 Patton's Run Overlook N 35° 16.680
 W 083° 40.860 Elev. ~1900 ft. 8.29.01
 - small rockpile / boulders N of road
 & parking lot, dry S/E exposure
 lots of *Batrachoseps*, 1 ♀ *Necturus*
 in dry situations under rock

MCH 01-184 NC: Swain Co., Hwy 19, Nantahala
 River Gorge, mi. E just Hwy 28 N
 N 35° 19.408' W 083° 37.85' Elev.
 8.29.01 *Hypsiglena* pacifica on rock
 outcrops / ledge on South side of
 highway

MCH 01-185 CA: San Bernardino Co., Mill Creek
 Canyon, San Geronimo Wilderness, Camp Creek
 N 34° 04.355 W 116° 54.025 Elev 7200' 9 Sept 01
 * (FOREST FALLS QUAD) - same site & visit
 to 1993 (10 July) - collecting along
 granite boulder stream stream searching
 for *Hypsiglena* bennettii Much searching
 but very few spiders - found 2 sm
 immature spiders in webs along W edge
 of stream on rocky roadside w/
 shaded root w/d. Many other good spiders

MCH 01-185 - collected Palpatres in
 shaded, wetter spots, mostly on rocks.
 open & sclerid (Pellaea or *H. zosterifolia*) on
 sedge in sun; other w/BC.
 * w/ M. Lawden, S. Crews, J. Storrett

MCH 01-186 CA: Riverside Co., N of Palm
 Springs, off Indian Ave, 1.4 mi. N just
 W Hwy 111 N 33° 32.239 W 116° 32.319
 Elev ~600 ft. 9 Sept., 01 * SAME C

01051 w/ M. Lawden, S. Crews, J. Storrett
 - desert shrubs dry (Ambrosia, creosote, *Hymenocallis*)
 except for *Perithous* (in flower); search
 for *Homalonychus* by digging w/ shovel,
 sifting thru screens - no luck, using
 few arthropods; best *Perithous* -
 adult *H. signatus* common - collected several
 ♂♀ in short time. NOT MUCH
 ELSE, NOTHING ON CREOSOTE.

MCH 01-187 CA: San Bernardino Co., Hwy 395, vic Krewer
 Hills, 16 mi. S Krewer Junction N 34° 52.024'
 W 117° 30.216 Elev ~2910 ft. 21 Sept 01
 Ambrosia + *Hymenocallis* with *H. signatus*
 common, particularly 2 ft ♂♂ (98% collected)
 boxelder under trash/tires, but no
Homalonychus

* collecting w/ S. Crews, Jim Storrett

(MCH 01-188) CA: San Bernardino Co., W side of
 Cuddeback Labeled N 35° 17.709 W 117° 29.800
 Elev ~ 2600 ft. 9-21-01
 - almost pure Atriplex, SAND WASH
Hsigravus scarce - 2♂, 3 imm ♀,
 + tarantula (Aphonopelma) in silk-lined burrows
 @ base of shrubs (see pic) - ♀ collected
 - imm Hsigravus group under in same shrubs

(MCH 01-189) CA: Inyo Co., Hwy 395 @ Red Hill,
 North of Little Lake N 35° 59.377' Elev ~ 3400
 W 117° 55.732 9-21/9-22 - punice/cinder sand accumulates
 between/along highway - Hsigravus ♂, several
 ♀ on Hybanthus / Antirrhinum / Chrysothamnus;
 also adult Pachyrhizus, most on Chryso
Dioecia in web on juv. J-tree (Yucca)
 * Hsigravus could be on ground here *

(MCH 01-190) CA: Inyo Co., ~ 1 mi. NW of Red Hill
 N 36° 00.049 W 117° 54.555 Elev ~ 3300 ft
 9-21/9-22-01 - various things @ camp,
 adult gen vocals @, 1st @ night
 ♂♀ Euryopis @ w/reat entrance
 ♂ Urodelus in web (♀) near J-tree

(MCH 01-191) CA: Inyo Co., Hwy 190 ~ 2 mi.
 NE Olancha, Owens Labeled N 36° 18.605'
 W 117° 58.602' Elev. ~ 3700 ft. 9-22-01
Dipodops flats Hesperis. 2♂/♀/several immatures
 - in sparse to thicker grass w/ chalky hard
 substrate - not in wetter, denser grass
 areas

(MCH 01-192) CA: Inyo Co., off Hwy 190, 4.3 mi.
 NE Olancha, vic Dirty Socks hot springs (S of th)
 N 36° 19.442 W 117° 56.683 Elev ~ 3700 ft
 9-22-01 - beeting spiny Atriplex in
 sandy area, leading towards dunes
Hsigravus common, many adult ♂♀,
 ♂♂ outnumbering ♀♀

(MCH 01-193) CA: Inyo Co., just E Owens River @
 Abasco STA. 40, off 395, ~ 13.3 mi.
 N Independence N 37° 01.291 W 118° 15.293'
 Elev ~ 3900 ft. 9-22-01 * SAME AS 01-132
 - imm Hsigravus in spiny Atriplex,
 @ 01-192. Still not mature, having only
 gone through 1-2 molts since 01-132
 collection.

MCH 01.194 CA: Inyo Co., Beeth Valley DP, Pleasant Valley, Bellview Rd, ~2 mi. E just w/ ^{top of valley} 9-23-01 Atriplex E bottom of wash just above bebed - Hesperis ♂♀ subadults, not very common

MCH 01.195 CA: Inyo Co., DUNP, E of Ubebe Crater, near jct road to Eureka Valley Dunes N37°01.088' W117°24.940' ELEV ~2100 ft 9-23-01 sand flats w/ A. dumosa, Hymenocallis, creosote - Hesperis uncommon on Ambrosia above 10 WASH (too flooded, silty).

MCH 01.196 CA: Inyo Co., DUNP, Badwater Road, 1.4 mi N jct to West Side Rd N39°57.977' W 116°43.592' ELEV ~1580 ft 9-23-01 Atriplex + creosote bejed near bebed - Hesperis on Atriplex, not common. Hot (~100°F) when collecting - best to beat shady side of bush - Diplotis on Atriplex, fairly common

MCH 01.197 CA: Inyo Co., Hwy 178, 1.8 mi. E Salsburg Gap N35°56.962' W116°24.793' ELEV ~7200 ft 9-23-01 - all wind fan w/ creosote, Hymenocallis, Ambrosia - rocky w/ sand 'strands' - imm Hymenocallis under rocks, most in places where rocks in piles

MCH 01.198 CA: San Bernardino Co., Hwy 15 @ RASOL RD, N side of Interstate N35°08'183' W116°12'26' ELEV ~1500 ft 9-23-01 Hymenocallis (5 imm, including p37) in valley wash w/ 'fresh' - Hymenocallis + creosote + Ambrosia * look for molts on bottom of rocks, fresh, etc - then search for spiders!!

MCH 01.199 CA: San Bernardino Co., After Canyon / Mojave River, W of Canyon Paper N35°02.664' W116°24.258' ELEV 480 meters 9-23-01 * SAME AS 00-042

Hesperis / Hymenocallis? from Atriplex on sand dunes CA: SD Co., Mission Trails Regional Park, Keweenaw Peak N32°49.737' W117°02.759' ELEV ~1215 ft 8-Oct, 01' w/ S. Cross / Y. Street - imm Hymenocallis on loose rocks - a sandy soil at top

MCH 01-201

CA: San Bernardino Co., Hwy

15 E RASON Rd., N side of interstate

N 35° 08' 183 W 116° 12' 726 Elev ~1500 ft

10-9-01 * SAME C 01-193 - stopped & collected

wash worked ~ 2 weeks earlier. Collected

3 imm *Homalonychus*, all fairly large.

All found in wash above where previous

collections were made - under loose rocks

in wash. None found under same

trash that had spiders before.

3 ♀? *Diguetia* from small shrubs

in wash. (*A. demissa*, *Hymenocler*)

MCH 01-202 NV: Clark Co., road to RIVERSIDE (Hwy 78)

~ 1 mi. S I-15 N 36° 45' 561 W 114° 14' 326

Elev ~1760 ft. 10-10-01 - Diguetia on

Psoralea, many other webs on mesquite, etc

but 20 spiders?

MCH 01-203 UT: Washington Co., ~ 1 mi. SW just

I-15 / Hwy 9 N 37° 08' 985' W 113° 27' 626 Elev ~3000'

St 10-10-01 * SAME AS 01-073 - *Hymenocler*

on sand, sparse 28°, 24°, imm *Hysipetes*

apparently common on uncommon shrub (i.e.

on almost all *Hymenocler*) - other shrubs in

area (e.g. *Arctostaphylos*) w/out spiders

MCH 01-204

UT: Utah Co.,

Woodland Hills

N 40° 01' 398' W 111° 39' 115' Elev. ~5400 ft.

10-12-01 *Empidonax* (Antrodiaetus) collected

under log in gravelly backyard, below

scrub oak / herb habitat

MCH 01-205 NV: Clark Co., 0.7 mi. E Jaro-

Goodspring Rd on (Hwy 161) Bowline Rd., 3.6 mi. NE

Jaro C I-15 N 35° 48' 901 W 115° 22' 487'

Elev ~3400 ft. 10-13-01 yucca / Ambrosia / creosote,

oak-sized J-tree firsts / beaked w/ small

washes - *Homalonychus* under rocks

in sandy wash, loose rocks best

- collected 4 immatures - Limestone??

MCH 01-206 CA: San Bernardino Co., I-15 E Afton Rd

Exit, N side of freeway N 35° 04' 988' W 116° 24' 919

Elev ~1900 ft. 10-14-01 ♂ *gymnophis* under rock

MCH 01-207 CA: Riverside Co., Whitewater Canyon,

1 mi. N I-10 intersection N 33° 56' 455'

W 116° 38' 427' Elev ~1500 ft. 20 Oct., 01

w/ Matt Branding, S. Strick, S. Crows, J. Skejic

- large wash w/ small rivulets - lots of rock / sandy substrates

collected 28°, 1 imm *Hymenocler* (dumetia?) under rocks;

2 imm *Homalonychus* on E side of H₂O,

under loose shrub. Not common.

MCH 01-208

CA: Riverside Co. "Cactus City" Summit on I-10

11 mi. W Chiricahua Summit on I-10

N 33° 40' 30S W 115° 54' 95E ELEV ~ 1400 ft.

20 Oct, 01 - desert wash w/ Palo Verde,

Parthenocarpus, Hyptis; imm Homalonychus under

loose rocks + trash in wash proper;

fairly common (Esid Chudwell's ~ 1 mi. E Mt. E)

CA: Riverside Co., CORN SPRING

MCH 01-209 CA: Riverside Co., ELEV ~ 1500 ft

N 33° 37' 247 W 115° 18' 40S ELEV ~ 1500 ft

20 Oct, 01 - large wash coming E from

palm oasis, typical Sonoran vegetation.

most Homalonychus on edges of

wash under loose rocks, often concrete

debris (p & included); 1 imm Humbo

on hardpan above wash under rock

CA: LA Paz Co., 2.5 mi. SE I-10

MCH 01-210 AZ: LA Paz Co., 2.5 mi. SE I-10

Tom Wells Rd. N 33° 36' 77S W 114° 23' 90E

ELEV ~ 900 ft 20 Oct, 01

(W side of Dome Rock MNTS.)

- Sonoran veg wash, including savaro, palo verde;

ironwood, cholla; → veg green, suggesting

recent rains (monsoon); Homalonychus collected

common in wash under rocks; adult ♂! in small

rockpile; several p & s; 20-1 + p & found

under small rock (web?)

MCH 01-211

CA: Imperial Co., Milpitas Wash Rd, 0.7 mi. W Hwy 78, just

N Wash Rd, N 33° 17' 048 W 114° 47' 536

ELEV ~ 500 ft 20 Oct 01 - expansive

palo verde / ironwood sav wash / flats; adult

Homalonychus (2♂, ♀♀) under dead wood,

rocks, in rock piles (not very rocky, under

wood best).

CA: Imperial Co., Ogilby Rd,

MCH 01-212 CA: Imperial Co., Ogilby Rd,

9.5 mi. N just w/ I-8 N 32° 54' 394

W 114° 50' 394 ELEV ~ 650 ft 20 Oct 01

(W side Cargo Muckro Mts)

- rocky bajada e shoulder of mountains,

including some larger washes, Homalonychus

(including adult ♂♀) under loose rocks,

in rockpiles; Diguetia in Ambrosia

MCH 01-213 CA: Imperial Co., Donkey Rd, 0.5 mi. N

I-8 N 32° 46' 728 W 115° 47' 979 ELEV ~ SEA LEVEL

25 Oct, 01 w/ P. Pigeons - almost pure

weasels, w/ occasional porcupine - backing both

w/ Pigeons

MCH 01-214 CA: Imperial Co., 0.7 mi. W just I-8 w

Black Rock Rd, N side frontage RD N 32° 42' 557

W 115° 03' 430 ELEV ~ 700 ft. 25 Oct 01

- creosote, spade, Avicaya sp.

beating each of 4 scrub sp w/
Pavonia sheet

MCH 01-215 CA: Imperial Co., I.B. @ Alamo River
crossing N32° 46.410' W115° 21.042' Ew scrub
10-25-01 - phobids in drainage tunnel

MCH 01-216 CA: Imperial Co., ~1 mi. E Ocotillo,
N of N side frontage N N32° 44.421'
W115° 58.940' Ew ~375 ft. 10-25-01
-beating larvae, *Atriplex* sp., *Hymenoclea* -
others include *Picrothrips* spirose, *A. dumosa*
in plant community

MCH 01-217 CA: Imperial Co., Piecho Road,
4.8 mi N AA Canal N32° 51.520' W114° 39.483'
Ew 480 ft. 11-5-01 w/ S. Smith, P. Pavonia
S. Ceras, N. Armatodes w/ w/ ironwood
palo verde, creosote, Encelia - pabble blains above
w/ ocotillo, Ambrosia creosote
- Diguetia in Ambrosia, & Silistatid under dead
ocotillo creosote to ok night -
collected *Harpygnathus* from creosote - suggests
that spiders are building in
in scrub AT night!

MCH 01-218 CA: Imperial Co., Piecho Rd.
11.9 mi. N AA Canal N32° 57.016' W114° 37.904'
Ew ~700 ft. 11-3-07 - ironwood / creosote / PV
w/ w/ fairly barren - *Hemilongchus* under
rocks in wash, @ edges; 1♂, several ♀♀,
several imm ♀♀; & *Diguetia* in retreats
in Ambrosia

MCH 01-219 AZ: Yuma Co., ~1 mi. SE Hidden Shores RV
Village off Imperial Dam Road N32° 52.590°
W114° 27.139° Ew ~300 ft. 11-3-07
barren washes just above CO River floodplain
- rocky washes & ♀ imm *Hemilongchus* under
rocks, scarce; ? *P. pyg* with w/ *Silistatid*
in rock crevice

MCH 01-220 AZ: Yuma Co., 2000 to Palm
Canyon, KORA NW, ~2 mi. E Hwy 95
N33° 22.604' W114° 11.038' Ew ~1500 ft.
11-3-07 4 *Hemilongchus* under rocks in
small washes

MCH 01-221 AZ: LA Paz Co., ~9 mi. S of Parker off
Hwy 92, W side of BOUSE WASH
N34° 00.627' W114° 15.430' Ew ~600 ft.
11-3-01 & *Hemilongchus* under old logs in
granite slabs

01-222 CA: San Bernardino Co. ~ 1
 off Parker Dam Road
 N 500 ft
 924' W 114° 18.023' E
 11-4-01 AT NIGHT - large wash w/
 oak bark at locally abundant
 very Palo Verde.
 mesquite, Euclia
 P. spinosa collecting o night
 oaks in wash
 1st after nightfall (~ 6 pm) - Hemolymphs
 fairly common - found 4 adult ♂, most
 wandering (1 on wash floor) others
 along with bark well above wash)
 other imm / ♀ under rocks; ♂
 Aphonopelma also common, several
 ♂'s found wandering
 amblygid -

01-223 CA: San Bernardino Co., Hwy 95.
 5.9 mi S Needles @ Five Mile Str Rd.
 N 34° 41.089' W 114° 36.943' E
 11-4-01 P. spinosa, creosote, mesquite; Hemolymphs
 wash (study) - Hemolymphs ♂, imm under
 rocks, debris in wash; ♂ Loxosceles
 & Diplocephalus

01-224 CA: San Bernardino Co., Base
 of Granite Mts, 0.7 mi. N off Kelbaker
 Road, 1 mi N I-40 N 34° 44.58'
 W 115° 40.892' E
 11-4-01 ~ 3200 ft
 granite boulder grotto - imm Hemolymphs (2),
 ♂ Plectroicus under granite

01-225 CA: San Bernardino Co., ~ 1 mi. S
 1-40 jct, Wash E side Kelbaker Rd
 N 34° 42.392' W 115° 40.487' E
 11-4-01 ~ 2700 ft.
 - Hemolymphs common under rocks
 on hillside, less common in large wash
 pit, ♀, many small immatures;
 gneiss side under rocks

01-226 CA: SB Co., S of 29 Palms, Rocky
 Road, W of of Utah Street N 34° 06.632'
 W 116° 02.529' E
 11-4-01 ~ 2300 ft
 under granite rocks in rich desert Biopied -
 imm, ♂ Hemolymphs

01-227 AZ: Maricopa Co., E of Gila Bend off
 Maricopa Rd, Rutherford Trail, S edge of
 N Maricopa Wilderness N 33° 01.575' W 112° 29.364'
 11-4-01 ~ 600 ft. 23-24 Nov, 01 * SAME AS 00-165
 ~ Aphonopelma platorum? brown w/ fresh dirt + silk
 - ♂ sunface, small holes, little silk @ entrance
 did not collect spider - see previous paper

01-217 AZ: Maricopa Co., Maricopa Wildlife
 - *Homalonychus selwyni* ♂♀, post, many
 immatures common in various situations
 under rocks, including in sand flats
 (loose rocks, rock pile); particularly common
 on rocky hillsides, including
 fairly steep hillsides under rocks
 w/ space.

01-228 AZ: Yuma Co., I-80 TRENX SWIT,
 ~1/4 mi. S of TRENX RJ N32° 41.307'
 W 113° 57' 204' Elev ~400 ft. 11-24-07
 (* SAME C 01-015)
 - looking for *Homalonychus*
 under trash; none found; surrounding
 habitat not good, no rocks, hills
 distant

01-229 CA: San Diego Co., ABSP, ~1 mi.
 W mouth of Harper Canyon N33° 07.437'
 W 116° 15.029' Elev ~1300 ft. 12-26/28-01
 - searching under rocks / dead cottonillo
 on rocky mesas, some sidehill
Homalonychus common, but most very
 small (2-3rd instar) - others 2-3 molts
 from maturity - collected 5 immatures
 (ADULTS post here ??)

01-230 CA: San Diego Co., ABSP, ~1 mi. W
 Rockhouse / Butler Canyon, in Butler
 Canyon N33° 23.641' W 116° 22.491' Elev ~1400 ft.
 12-29-01 * Mileage from where roads split,
 NOT from junction of drainage themselves
 - searching under rocks mostly on
 hillside on East side of canyon
 well, fairly steep, large rocks. Adult
 ♂, 3 ♀, large immature *Homalonychus*
 2 ♀ *Plectrurus*; ♀ fistulated under rocks
 in sandy wash

MEH 02-001 AZ: Yavapai Co., ~6.2 mi.
 NE Wickenburg in Constellation Pond, ~
 1/2 mi. S off main road N34° 00.261' N
 W 112° 39.012' Elev 2800 ft. 02' w/ J. Bond, T. Prentice
 - collecting at night on hilltop w/
 basalt scree - searching under rocks
 ♂ grasshopper / ♂ cyprinid / ♀ *Plectrurus* /
 ♀ *Homalonychus* (saguro, pdo verde, vesquite,
 creosote, acatillo.)

MEH 02-002 AZ: Yavapai Co., off Hwy 89, Ponderosa
 Park, 2.7 miles in Indian Creek Canyon N34° 27.678' W 112° 29.833'
 Elev 5400 ft. 6 SEP 02 w/ J. Bond, T. Prentice
 - ponderosa pine forest w/ rocky stream cut, more
 trail very (saguro, scrub oak) on S-facing slope

MCH 02-002

Alietypus (isolatus?) - w /
termites, deep
from burrows on N-facing slope, most
on sloping ground - e edge of below
boulders. No doors or burrow
entrances seen - collected 4 animals,
including very large ♀.
- ♀ Ummlitz (3rd leg saddle) - on S-facing
xeric slope large boulders: spider in shallow
burrow (~11cm deep), thin water
door kept

MCH 02-003

AZ: Coronado Co., Hwy 89A,
N of Sedona, West Fork Oak Creek
1/4 - 1/2 mile from Main Branch N 34° 59' 42"
W 110° 44' 58" ELEV ~ 5400 ft 7 JAN, 02

- just south of tape locality of Alietypus
isolatus; spiders found along trail in canyon,
either slight banks of trail, or in various
off trail. most N-facing or shaded; found
3 doors (thin water - see pic); 12 eggs w /
broods collected

MCH 02-004

AZ: Coronado Co., Hwy 89A,
2 mi. S Flagstaff @ I-17 junction
N 35° 06' 9" E W 110° 42' 7" ELEV ~ 6900 ft
(2120 m) 7 JAN, 02 - 2 ♀ Alietypus

on gently sloping side of shallow ravine
in ponderosa pine forest; much pine litter
on ground; collected by scraping

MCH 02-005

AZ: Apache Co., 1 mi. S
Green Canyon along WEST Fork Little Colorado
River N 33° 59' 733 W 109° 28' 035
ELEV 2605 m 8 JAN, 02
Apache Co. slope 236° 5W
10-12 m deep

Apachella burrows on N-facing slopes directly
adjacent to river, shaded & moist space / fine
forest - largest aggregation found near
root walls along H₂O; also found
Antrodiaetus gachues? along roadcut on
S-facing side of road valley; more
open ponderosa pine forest above,
fairly exposed; spiders cold, w /
silk tabs (sometimes multiple) in burrows.
- NO entrance found

MCH 02-006

AZ: Apache Co., Hwy 180 / 191,
Alpine Divide Campground, ~ 4 mi. N Alpine
N 33° 53' 621 W 109° 09' 152 ELEV ~ 8500 ft
8 JAN, 02 1 large ♀ Antrodiaetus gachues on
gently-sloping S-facing hill along trail. Slight berm
several juvenile / 1 large ♀ Apachella in
various situations, all fairly gentle
slopes - thick silk lining burrows, NO
entrance constructs seen
- ponderosa pine forest / canyon or

E side 1 mi. western southern exposure

MCH 02-007 AZ: Cochise Co., Chiricahua
 Mts., Cave Creek Road, ~~1000~~ ^{Steward} ~~1000~~ ^{Steward} Canyon
 N 31° 53.440 W 109° 10.057 Elev ~ 5600 ft
 (1615 m) 9 JAN, 02
 - *Scaphiopus* under rocks w/ leaf litter
 on N-facing side of canyon, most
 common in small, more sheltered, rearing-
 47 + many subadults; large & *Uta* *stansburii*
 in shallow burrow on open sloping,
 fairly unstable ground beneath manganese
 AZ: Cochise Co., Chiricahua

MCH 02-008 AZ: Cochise Co., Chiricahua
 Mts., w of Onion Saddle, Pinery
 Campground N 31° 55.981 W 109° 16.322
 Elev ~ 7200 ft, 9 JAN, 02
 - *Antrodiaetus* *zapechus* ♀♀ on high
 banks on W side of canyon well (NE
 facing) - also in other situations in
 vicinity.

MCH 02-009 AZ: Pima Co., Tucson Mtn.
 City Park, Tucson Mts., Kinney Road,
 1.8 mi. S just w of Gates Pass N 32° 12.005
 W 111° 07.003 Elev 2690 ft. 9 JAN, 02
 - *Homalonychus* under loose rocks on
 hill E of road - 3 immatures, 1 adult
 ♀ - reasonably common

MCH 02-010 AZ: Yuma Co., Off I-8 E Ave
 52 E / Old Hwy 30, Mohawk Mts
 N 32° 43.826 W 115° 44.331 Elev ~ 600 ft
 10 JAN, 02 - *Homalonychus* under large
 rocks on hill > not common - 2
 immatures (1 post) in w / horn searching

MCH 02-011 CA: San Diego Co., ABS P, dunes
 1/2 mi NE of Hayden Spring N 32° 42.671
 W 116° 06.961 Elev ~ 600 ft (440 m)
 10 JAN, 02 - low sand dunes w/
Psoralea, *Yucca*, *Agave* on dunes,
 cholla / smoke tree / ocotillo *zizant*
 - collecting ♀ *Aptostichus* - very abundant
 at 17, 18, 19 cm deep - dunes proper.
 on dunes c flanks, mounds ("mounding"),
 Animals building mounds burrows w/
 small sand piles above burrows literally
 flimsy trap doors. Dunes literally
 covered w/ hundreds of mounds
 (6 mounds / sq foot @ highest densities).
 Mounds 2-3 cm high. SAND WET
 c 8-9 cm below drier layer - no
 signs in recent past (not w / M
 last week?)
 - SAME SITE AS ♂ *Aptostichus* collection
 in Oct / Nov - wandering

MCH 02-012 CA: Mariposa Co., Hwy 49, 1.3 mi. NW jct w/ Hwy 140 in Mariposa
 N37°30.232 W 119°59.643 Elev 2300ft
 12 Jan, 02 - N-fans, hillsides / ruins above creek S of Hwy - digger pine / oak / manzanilla (dwarf), sumac - rich, lots of litter
 - small ravine, SW-tending, off of main streambed w/ rocks in drainage, slurs sides. Found Mescheryx fulva in webs under rocks (very moist, lots of litter) - 2 ♀, 3 immatures;
Calisoga longitarsus ♀♀ found under large rocks in bottom of ravine - no obvious webbing or burrows found?? Sitter wandering or opportunistic in other cracks / crevices / burrows.
 several large Hebestasis collected in ghost burrows w/ thick silk lining. Found scorpions, only 1 dead found.
 Most burrows in crevices of fire?? spiders, often becoms of fire?? pompilid wasps (several cases found) other phorids?? Did NOT find Alistypus, only abundant burrows.

MCH 02-013 CA: Mariposa Co., Hwy 49, 140, 0.9 mi NE Mariposa, Hwy 49 jct. N37°30.161 (300ft) W 119°58.031 Elev 2300 ft. 12 Jan, 02
 - nice roadcut on S side of road in ravine, wonderful habitat N of road in ravine, perfect moss-covered, stabilized banks, collected single ♀ Alistypus sp., medium-sized Hebestasis → found but selected immature Alistypus; too few spiders in habitat!! many (most) burrows w/out spiders - many Hebestasis burrows open, doors gone several Alistypus burrows w/ spider remains, no spiders. lots of pompilid wasp larvae found in burrows!! > lots of parasitism??
 MCH 02-014 CA: Colusa Co., Bear Creek Road, 2 mi. NW jct w/ Hwy 70 N39°01.225 W 122°23.303 Elev 1300 ft. 12 Jan, 02
 - roadside cuts on E side of birt road, new pullout - exposed SW turning w/ manzanilla + yes! found small Apostichus sp.; Alistypus scorpions found - no down constructs found.

MCH 02-015 CA: Shasta Co., Hwy 299
 E just w/ Mary Mtn. Road, just W
 of Whiskeytown Res N 40° 39' 030"
 W 122° 37' 970 E W ~ 1300 ft.
 13 Jan, 02 - numerous / big sapling /
 oak / chingapin habitat on N side
 of highway (generally S-facing) but
 very tight ravines w/ sheltered
 exposures - several large *Antrodia*
pratensis ?? found in aggregation @
 base of large oak - solid red soils - fairly
 thick silks @ entrance (no entrance
 found)

MCH 02-016 CA: Trinity Co., Hwy 299 E
 Grass Valley Creek crossing, just E
 just w/ Fawn Lodge Road N 40° 40' 485"
 W 122° 40' 682 E W ~ 2100 ft. 13 Jan, 02
Atypoides tunnels on N-facing bank
 near creek (W-side), south side of
 road - collected several large eggs, 2
 w/ broods - probably *A. riversi*
 - Douglas fir forest

MCH 02-017 CA: Humboldt Co., Hwy 299,
 just w/ Blue Lake Blvd N 40° 53' 306" W 123° 57'
 138 E W ~ 1800 ft. 13 Jan, 02

02-017 - roadside 2° growth reduced w/
 mixed understory - rodents along Blvd
 to N, NE trending rodents; eggs
antrodia (*Antrodia*) concentrated
 in stabilized place w/ decent soil
 (most of bank w/ high clays) -
 no entrance constructs found.

MCH 02-018 CA: Humboldt Co., N end
 Clam Beach, near Little River, sand dunes
 N 41° 00' 800 W 124° 06' 514 E W on sea level
 13 Jan, 02 - searching dunes for *Apistodius* -
 initially looking in dunes w/ European beech
 grass closest to beach flats - no luck,
 moved further back in dunes, more
 stabilized w/ beach grass + lupines +
Baccharis - still sand; found several
 large eggs above sand banks in
 brown w/ flimsy dunes - best
 to look for old silk associated
 w/ dunes

[02-019] CA: Del Norte Co., Hwy 101,
1.9 mi. S Trees-of-Hyacinth N 41° 33' 70"
W 124° 03' 85" Elev ~ 60 ft. 14 JAN, 02
- roadcut on E side of road, reduced.
forest, mostly 2° growth; Antrodiaetes
(pacificus?) on cuts / banks - pics
of folding collar dunes taken

[MCH 02-020] CA: Del Norte Co., Smith River
State Park / Beach 0.6 mi. Kelly / from
Lower Lake Rd
N 41° 52' 17" W 124° 11' 923" Elev ~ 2000 ft.
14 JAN, 02 - stabilized sand dunes w/
pine / mixed forest, working in
2000s w/ blowouts, cuts along road.
Both Antrodiaetes & Aptostichus in burrows
side-by-side on banks; some Aptostichus
found in flatter dunes w/ sparse
veg

[MCH 02-021] OR: Curry Co., ~ 6 mi. E
Gold Beach, road to Agness N 47° 28' 69"
W 124° 19' 667" Elev 15 JAN, 02
- millipedes / Scaphinotus under
bank of rotting, moss-covered log

[MCH 02-022] OR: Coos Co., Spinrad
(S of Peelsport)

Exposure N 43° 33' 975" W 124° 12' 444"
Elev ~ 100 ft. 15 JAN, 02
- Antrodiaetes on sandy road cut, just
in from high dunes; looked for
Aptostichus on dunes, no sign.

[MCH 02-023] OR: Lincoln Co., Hwy 34,
1.1 mi E Tlewetche N 44° 24' 460"

W 123° 53' 153" Elev ~ 100 ft. 15 JAN, 02
2° growth down fir + alder forest, lots of
ferns; Worming covered w/ mosses
- Antrodiaetes in burrows w/ collapsible
collar on roadbank on N side of,
S-facing but moist - spiders common,
but few large individuals
- Hexura picea!! in flimsy sheet
webs under stuff, including small
rocks, litter, dew legs - collected
several ♀♀, immature, 1 adult ♂
collected - spiders common

MCH 02-024 OR: Benton Co., Hwy 34

0.1 mi. Mary's Peak Road, ~1/4 mile
up MP road N 44° 28.057 W 123° 30.339

15 JAN, 02 - 20 growth stage fir
(older trees) on N-side of road
just above CCC picnic area
- *Antrodia* on banks, burrows w/
collars, *Hexure picea* common under
logs, 3 individuals under same
log, including adult ♂, 2 ♀♀ (Ext 163)

MCH 02-025 SR: Douglas Co, 1.7 mi E I-5 on
Bear Creek Rd N 43° 42' 747 W 123° 10' 603

Elev ~ 500 ft 15 JAN, 02
- collecting @ night in Douglas fir w/
signs of *log* activity (selective).
small immature *Hexure rothi* - under
downed log in small web

MCH 02-026 CA: Siskiyou Co., New Springs Rd,
0.4 mi E just Castle Lake Rd N 41° 16.613 W 122° 19.162

Elev 2225' 16 JAN 02 N-facing roadcut
below Douglas fir - *Athyria gatzschei*?
in burrows w/ short twigs - 4 pupae
collected, many burrows empty / abandoned

* SMALL SAND DUNE SITE NW OF DISTAP
ON Hwy 395, 4.7 mi. NW jct w/ Hwy
6 to Benton * NEAR MILLPOND CO PARK TURNOFF

MCH 02-027 CA: Kern Co., El Paso Mtns.,
N 1/4 mi - 1/2 mi W geologic radar site,
2.3 mi W Hwy 395 opposite ⁽⁸⁰⁰⁾ Scales, STAT.
ROAD N 35° 28.704 W 117° 41.366 Elev ~ 4400 ft

17 JAN, 02 - NW trending ravine in
open desert scrub habitat (Pinos, *Hyemizer*,
Boottianus spp.) - found *Alietypus torridus* in
deep burrows flush against boulders on N-facing
slope, spiders preferring sloping ground &
boulder edges w/ shelter. Did not find
doars - scraping ground right next
to granite boulders.

MCH 02-028 CA: San Diego Co., El Monte
Park Road, 1.8 mi. E El Monte Park Entrance
N 32° 53.037 W 116° 49.287 Elev ~ 1000 ft.

19 JAN, 02 - ravine on S side of road, N-facing
w/ steep cuts, oak trees, *Platylabus fulva* ♀
under stone sitting on oak litter, in web.
Aptesis? ♀♀ scraped from moist bank
far up ravine, no entrance found;
♀ *Boottianus* low on stabilized bank,

many other empty burrows found

MCH 02-032 CA: SDG., Hwy 57, 5.8 mi. E just w/ Hwy 56 N 33° 17' 08.2" W 116° 47' 54.9" 2 Feb, 02 - roadbank SW ~ 400 ft. S-side of road, N-facing, mesic forest w/ conifers, oaks # found several large *Aptostichus*? burrows on bank by scragging, but only found 1 smaller spider. All burrows on bank sides, below lip of bank. Found abandoned *A. tigris*? burrows along lip, 25 ft - no spiders.

MCH 02-033 CA: San Diego Co., 1.3 mi. W Gustay (C country store) on Old Hwy 80 N 32° 51' 24.7" W 116° 34' 52.4" Elev ~ 3800 ft. 2-9-02 - immature *Hexurella* under large rocks on base of slope on old road; same situation, large immature *Hexurella fulva* - 13 plastic pitfall cups on N-facing chaparral hillside w/ cypresses.

one trap w/ every 5 steps

concrete outlet

MCH 02-029 CA: San Diego Co., 1.3 mi. W Gustay (C country store) on Old Hwy 80 N 32° 51' 24.7" W 116° 34' 52.4" Elev ~ 3800 ft. 1-26-02 - N-facing sloping hillside on S side of highway, w/ cypresses, scrub oak, manzanita, chamise, live oak in drainage - fairly rich site, lots of spider + under rocks, including many immature *Hexurella* (rocks lying on top of litter, very inconspicuous webs, more just from webs) - 1 leaf litter for *Bealose* found taken

MCH 02-030 CA: San Diego Co., Hwy 79, hillside opposite jct w/ Wildwood Glen Lane, just W of Descanso Jct. N 32° 50' 22.7" W 116° 37' 14.8" Elev ~ 3400 ft. 1-26-02 - small drainage on N-facing slope, heavy chaparral; very little find - NO myriads scragging, no *Hexurella* under rocks - perhaps fire in history (leaf litter for *Bealose* taken).

MCH 02-031 CA: San Diego Co., Coronado Blvd, Coronado Beach, N end - Elev 512 msl 1-27-02 - large *Aptostichus* signs? 99 in web-lined burrow on face of incipient-stabilized dune, just across fence from golf course (SE corner)

MCH 02-034 CA: San Diego Co., Hwy 76, 4.2 mi. W Nide Hutton Gravel N 33° 21' 59" W 117° 02' 54" ELEV ~ 680 ft. 2-10-02 w/ J. Starnett, J. Stepien - chemise chaperel w/ rocky wash - collected 3 *Hemizonitichus* under rocks along wash; other misc

MCH 02-035 CA: San Diego Co., Palomar Hill, Hwy 6 0.9 mi. N jct. W/ STATE PARK ROAD N 33° 20' 58" W 116° 54' 02" ELEV 500 ft 2-10-02 - N/NE-facing roadcut adjacent to small ravine, cedar + fir forest; collected 2 large ♀ *Aptostichus*, one in burrow under deep litter, shallow slope - other on steep bank, barren (typical sit)

MCH 02-036 CA: SD Co., Palomar Mts, Hwy 57, 5.8 mi E jct W/ Hwy 56 N 33° 17' 02" W 116° 42' 50" ELEV ~ 1100 ft. 2-10-02 (Same AS 02-032) - small *Aptostichus* found dead on bank, scraped from shallow burrow?

MCH 02-037 CA: San Diego Co., Hwy 76, 7.1 mi. E jct W/ S. Gravel Road N 33° 15' 52" W 116° 48' 03" ELEV ~ 2600 ft. 2-10-02 - N-facing bank w/ manzanita + chamise; large ♀ *Aptostichus* from burrow on bank

MCH 02-038 CA: SD Co., Hwy 76, 1 mi. E jct W/ I-15 N 33° 20' 31" W 117° 08' 63" ELEV ~ 350 ft. 2-10-01 - riparian along road w/ RUNNING H2O; *Hemizonitichus* Pyrrhiv ♂♂ on debris in open situations from edge of H2O

MCH 02-039 CA: SD Co., Cabrillo NM, Point Loma N 32° 40' 38" W 117° 19' 45" ELEV ~ 500 ft. to see WUEL 16 Feb, 2002 w/ Terrestrial ARTHROPODS CLASS

- worked Bay-side TRAIL on E side of point in early PM - NOT very rich, a few bees/flyies on few flowers; various spiders/tubs under rocks; beating veg mostly subshrubs - found *Aptostichus* (large, brown) in burrow w/ clear (scraped) on small N-facing bank, hill directly below visitor center - worked over between parking lots #1 & 2 - coastal sage + beachside veg - fairly rich diversity on low-growing perennial ~~veg~~ below sandy bluffs - many beetles, spiders. Found *Bothriognathus* burrow along road, exposed banks, stone on shallow ground. Collected 3 large ♀♀.

02-040 CA: Imperial Co., Hwy 52, NW of
Ocotillo, BLM N of Hwy N32°46.
W 16°03. Elev ~ 700 ft. 2-23-02
- insects from Hyptis in flower,
also bees. creosote

02-041 CA: San Diego Co., 1.3 mi. W
Guatay SITE (02-033) 23 Feb, 02
- checked pitfalls - 1 missing, others
intact; sifted litter in traps, then
ran thru Bealese funnel; no
Hexurella, but did get ♂ ANAPID
after Bealese funnel

MCH 02-042 CA: San Diego Co., Mission
Trails, Regimiento Park, TRAIL TO
Kwezy Perry Peak N32°49.737 W 117°02.79
Elev ~ 1200 ft. 24 Feb, 02 - collected
many (>10) ♂ Histioglyphs on small rocks
along trail, open; sandy + gravel areas,
red soils; 3 ♀♀ as well
- Hemidactylus / opilionid under rocks

Percent Fitches - N32°43.904 W 115°59.694
Elev ~ 500 ft.

MCH 02-043 CA: Imperial Co., ~ 5 mi. W
of Ocotillo, SW of Hwy 52, W off of
Powerline Road N32°44.273 W 116°02.835
Elev ~ 800 ft. 2-3 March, 2002 w/
APODS class

MCH 02-044 CA: Riverside Co., Santa Margarita
Ecological Reserve, North Side Facilities,
along river below facilities
N 33°27.363 W 117°10.209 Elev ~ 700 ft.
16-17 March, 2002 - Protaphys, Orthoporus
under stones; Schizomus in under rocks, w-
feeding, ASIC slope

MCH 02-045 CA: San Diego Co., 1.3 mi. W
Guatay SITE (02-033) 24 March, 02
- checked pitfalls - several w/ H₂O, many
drowned opilionids; no Hexurella in traps
(run thru Bealese), but 1 immature found
under rocks. Schizomus (adults) under
rock, moist w-feeding hillside.

Sierra Cucupa

[MCH 02-046] Mex: BCN, Hwy 5, 5.5 mi.
N MCH Hwy 4 N32° 21.113' W115° 20.277'
Elev ~ 200 ft. 3-29-02 w/ S. Crews,
P. Piquin - mature ♀ Allophanes / imm
Homalonychus under rocks - flat washouts
East side of mountains - very dry
[MCH 02-047] Mex: BCN, Hwy 5, ~ 6 mi
S La Ventura, ~ C. Lagunas de Apzede,
along road to towers N31° 42.627'
W115° 03.020' Elev ~ 100 ft. 3-29-02
- 4 imm Homalonychus under rocks in wash,
adjacent hillsides - very dry, few scrubs
in wash; pseudoscorpions under rocks
(Hemido, NOT common)

[02-048] Mex: BCN, Sierra San Felipe,
W of S. Abandonado, ~ 7 mi. NW San Felipe
N31° 03.588' W114° 57.352' Elev ~ 700 ft.
[rich site] w/ Bursaria, ironwood, scottias,
creosote, Eurea (legume), palo verde - firsts
directly adjacent to granite hillsides -
many things in flower
♂ Homalonychus at night, others under rocks,
or Plectrocnemia, 1 wandering at night,
small winged (conopids), ♂♀ found in
cupulation near hill entrance at night
- rich site, lots of spiders

[MCH 02-049] Mex: BCN, Hwy 5, ~ 1 mi.
N Puerto Citos N30° 22.076' W114° 38.535'
Elev ~ 60 ft. 3-30-02 Hispiopterus on
Psodothrips along roadside dunes,
(Flies TAKEN) - STANDARD SITUATION

[MCH 02-050] Mex: BCN, ROAD from Puerto Citos
S to Hwy 1, ~ 7 mi. S Puerto Citos
N30° 15.424' W114° 39.925' Elev ~ 200 ft.
wash to ocean imm Homalonychus under
rocks / Solpugid / many other spiders

[MCH 02-051] Mex: BCN; Puerto Citos / Hwy
1 ROAD, ~ SAN JUDAS N30° 01.852'
W114° 34.515' Elev ~ sea level
Homalonychus under large flat rocks
on beach, ~ 90 yards from H2O,
including adult ♂♀
(common); ♂♂ of scorpion
eating Solpugid*

[MCH 02-052] Mex: BCN, Puerto Citos → 1 road,
~ 8 Km NE of Chapala N29° 26.304'
W114° 19.323' Elev ~ 2300 ft.
imm collected @ night, including
♂ rocks attracted to light.

MCH 02-053 Mex: BCS, Hwy 1, 6 mi.
S Laguna Chapala N 29° 19' 872
W 114° 18' 460 Ew ~ 2400 ft 3-31-01
granite boulders hillsides, collected
several Hemidactylus

MCH 02-054 Mex: BCS, Hwy 1, ~ 1/2 mi.
S jct W/ road to St. Rosalita
N 28° 43' 427' W 114° 06' 161 Ew ~ 340 ft
3-31-01 ♂ ♀ Habrozetes pygmaeus in
grass @ spring / 1 in. under
rocks on hillside

MCH 02-055 Mex: BCS, Hwy 1, ~ 1 mi.
S jct W/ road to St. Rosalita
N 28° 43' 355' W 114° 05' 753 Ew ~ 400 ft
hillside E of large wash / cyan
Z in Homolo (RARE HERE)

MCH 02-056 Mex: BCS, Hwy 1, 3.5 mi.
W Hwy 1, 3.5 mi. N BCS / BCS border
N 28° 03' 131' W 114° 01' 171 Ew ~ 100 ft
3-31-02 (A-4-02) - Habrozetes viridatus on dunes
w/ sparse vegetation, in from large camp
growing on dunes; ♂ active in morning, @
♀ basking on sand; night, no guano

MCH 02-057 Mex: BCS, road to Sierrita
San Francisco off Hwy 1, base of
large hills, N ~ 1 mile off
first dirt N 27° 29' 397' W 113° 11' 290' Ew ~ 800 ft
3-31-02 - many Hemidactylus, most common
under disturbed rocks along small road
Kalku Kmita washing at night

MCH 02-058 Mex: BCS, Hwy 1, 11 mi. W
Las Virgenes N 27° 22' 872 W 112° 40' 741
Ew ~ 870 ft 4-1-02 - Hemidactylus under
rocks along disturbed wash; 2
embryonids; Eugeneus imm; Spizelus common

MCH 02-059 Mex: BCS, Hwy 1, ~ 5 mi. S
San Lucas (S of St. Rosalita) N 27° 11' 372
W 112° 12' 312 Ew ~ 100 ft. 4-1-02
- Homolo / mostly / scybalae under rocks
in shallow wash - PICH SITE, many
Spizelus

MCH 02-060 Mex: BCS, Hwy 1, 5 mi. W
Playa Arroyo N 26° 39' 849' W 111° 52' 956
Ew ~ 200 ft. Homolo under rocks
in TDF wash - very hot!
could not work too long

MCH 02-061 Mex: BCS., Hwy 1 "Km 10"
6.5 mi N Loreto N26°04' 83° W111°23.55'
Elw ~ 500 ft. 4-1-02
- humulo under rocks in wash; also
amblypygids / scolopendras / large Heteropoda

MCH 02-062 Mex: BCS., ROAD TO AGUA VERDE,
beach just W/ 1 1/2 SAN COSUE
N25°34' 245 W111° 09.670' Elw ~ 500 ft
4-1-02 - beetles under seal lion carcass;
♂ plethorid wandering @ night on
cobble beach (??) - common

MCH 02-063 Mex: BCS. N AGUA VERDE, ~ KLOMATA
26 N25°33' 247 W111° 09.310
Elw ~ 100 ft 4-2-02 Humulomyces
common under stuff in brood nest
Helconothus signatus usulatus looking
in small rocks in sandy
- stabilized portions of wash -
collected many (>10) eggs, very
few qps.

- MCH SITE, stuff under most
rocks

MCH 02-064 Mex: BCS., ~ 1 mi. NE
Pichilingue N24°17' 426 W110° 19.187
Elw ~ 200 ft. 4-2-02 - Humulomyces under
rocks in dry hillside; amblypygids also
common (Hwy 1)
MCH 02-065 Mex: BCS., 2 mi. S WEL TRIUNFO
N23°47' 062 W110°07' 339 Elw ~ 1500 ft.
4-2-02 Humulo / Eurygaster common here,
TDF; larger Sisyra common in higher units,
probably very common

MCH 02-066 Mex: BCS., 2.5 mi. N LOS
Barriles N23°42' 613 W109°42' 526
Elw ~ 100 ft. 4-2/4-3-02 - caged @
night - many Sisyra wandering @ night,
imm Humulo watering / qps under cow patties

MCH 02-067 Mex: BCS. 2 mi. N Hwy 1, 10.7 mi. E
Cabo SAN Lucas (Hwy 1) N22°58' 514 W109°50' 011
Elw ~ 200 ft. 4-3-02 - TDF @ edge of large
wash; worked very hard for 2 Humulomyces (not
common); Heteropoda 374 in litter; amblypygids
62.8-95

MCH 02-068 Mex: BCS., Hwy 19 ~ 8 mi. S TOLLOS
SAN JUAN N23°01' 653 W110° 04.893 Elw ~ 200 ft
4-3-02 scolopendras / 2-011 under roadside rocks

MCH 02-069 Mex: BCS., Hwy 19, mi. S TOLLOS
SAN JUAN N23°20' 511 W110° 09.644 Elw ~ 300 ft
4-3-02 Humulo under DG on

hillside - all small
insects

Mex 02-070 BCS: 108 mi. N of San Juan de los Costa, road to Beliz Coyote N 24° 27' 72" W 110° 42' 03" E 4-3-02 Humbo under rocks in broad sandy wash - very harsh landscape
 Next 02-071 Mex: BCS, 24 mi. N of San Juan de los Costa, road to Beliz Coyote N 24° 24' 87" W 110° 41' 42" E 4-3-02 level - misc on. bank beach at night; 2 Humbo with hwb - out, singing, beach from with hwb - out, wandering ??
 Next 02-072 Mex: BCS, 11 mi. E of road to Mission San Luis Gonzaga N 24° 57' 80" W 110° 27' 30" E 4-4-02 Humbo under roadside rocks / flat -> not much habitat

Mex: BCS, road to El Aca 22.3 mi. E of Humbo N 27° 59' 81" W 113° 27' 07" E 4-5-02 level - 400 ft. road / in Humbo under rocks along road / in dry hillsides - very dry here, spidrus not common

Mex: BCS, Hwy 1, 4.9 mi. S jct w/ road to Santa de los Angeles N 28° 58' 68" W 114° 09' 70" E 4-5-02 - very nice wash w/ Parotomus spinosus, Hyemolax, other crabs - very m. feel; collected Hysignathus 5, 2 ♀♀ beeting scrubs - very interesting, very ustulatus-like, w/out markings, Humbo common under compacts
 Next 02-075 Mex: BCS, Hwy 1, 4 mi. W of Santa N 29° 45' 31" W 114° 45' 76" E 4-5-02 Humbo under granite slabs / dry granite boulderfield (very common)
 Next 02-076 Mex: BCS, Hwy 1, 11.2 mi. E of El Rosario N 30° 03' 40" W 115° 34' 63" E 4-6-02 Humbo under rocks in wash (very common)
 Next 02-077 Mex: BCS, Hwy 1, El Socorro Dunes N 30° 20' 52" W 115° 49' 95" E 4-6-02 Humbo in Dipterocarp flats just land from dunes (between dunes, highway); Aptostichus in TAPPOCOO burrows along road to dunes - seemingly common (both hard for Hysterothrips in the leaflets) found only 1 ♀, 1 imm ??

MC# 02-078 Mex: BCN, Hwy 1st 19 mi
S SAN VICENTE N31°06.845 W116°09.260
Elev ~ 300 ft. 4-6-02
Humo under rocks / dead agave
on hillside - mostly small insects
(not common)

NOTES ON BACA:
- TOURIST ends available prior to
crossing AT AAS; GET THESE
SIGNED AT MIGRATIONS OFFICE - AT
BCN (BCS border) (also on TOLL ROAD
TO ESENADA ??); TAKE THIS TO
ANY BANK, ~~have~~ pay for
VALIDATION prior to crossing
BACK

- ROAD between SAN FELIPE / Hwy 1
& CHAPALA IS VERY BAD, very
luxury, but THERE IS wonderful
habitat just N of Coco's Korner,
N of Chapala

MC# 02-079 CA: San Diego Co., GUSTAV SITE
+ see 02-033 - checked pitfall traps -
recent April rains, but not too
much in traps - 2 few epigynids,
small, misc spiders. No Hymenoptera?
4-27-02

MC# 02-080 CA: Riverside Co., SANTA ROSA
Mtns. 4.8 mi. S Hwy 74 N33°32.587'
W 116°28.948 Elev ~ 6200 ft 4-28-02
- heterogynous canyon, evergreens on N-side,
5-yring slope w/ chaparral - w/ P. Pigeons, J. Starlet
- Pine sited many small linyphids, Borers

MC# 02-081 CA: Riverside Co., Santa Rosa
Mtns., 7.0 mi S Hwy 74 N33°32.010'
W 116°28.690' Elev ~ 7200 ft 4-28-02
Mustulids, etc on small rocks in DG zone,
mostly S. fairs chaparral surrounding

MC# 02-082 CA: Riverside Co., SL Mtns.,
7.2 mi S Hwy 74 N 33°32.182
W 116°28.956' Elev ~ 7230 ft 4-28-02
open pine forest w/ granite rocks
- spiders on pine all junipers; few oaks
sifters, under rocks

(MCH 02-083)

CA: Riverside Co., Hwy 371,
3 mi. E ANZA N 33° 34.136' W 116° 36'
Elw ~ 4000' ft 4-28-02 - pinyon,
redshanks, chemise in heterogeneous stand,
broken topography > lots of T. lineatus;
spiders - ♂ Araneus, in T. pinus, 2
♀♀ hug on rocks

(MCH 02-084)

S. AFR: Gauteng Province, Pretoria,
Plant Protection Research Institute S25° 43.611'
E 28° 14.261' Elw ~ 4436 ft - 22 May, 02,
(♀ w/ juv - 12 cm to burrow bottom; w/
curvature; entrance construct unknown?
♀ ~ 10 cm deep burrow; thin silk, no burrow
entrance construct?)

- 2 other small juveniles collected, + 2 burrow w/
3 small juvs (no ♀??)
- habitat dry; searching on small hill
in back of facilities (away from
main road) - mid-strong veg
- best luck behind building on
steep bank, N-facing

(MCH 02-085)

SFR: Gauteng Province,
Rodeplatz Nature Reserve
Elw ~ 4000' 23 May, 02 (Bushveld)
working in mixed savanna; Rhos + Acacia
- van test evening, S25° 39.153' E 28° 20.568'
- working small stabilized banks in shallow w/ash
- many Segregate, burrows shallow (~5 cm),
small w/ash-dumps found

- on flat ground just above low area - 12 cm
found small Galeosoma (w/ truncate abdomen)
- 7 cm deep burrow

- Anelotrypa, zigzag on flights C - back of
small scmb (7 cm burrow)

- Anelotrypa most common (by far) on
gently-sloping to flat areas w/ litter ->
grass very dense in the area

(MCH 02-086)

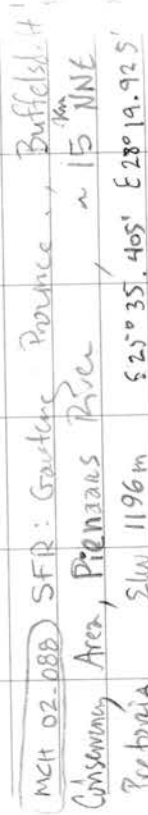
Rodeplatz #2 S25° 39.057' E 28°
20.555' Elw ~ 4080 ft - grassy area w/
exposed rock, just above ledge w/ more
mesic forest.
- Anelotrypa on lower ground w/
dense litter in trees
- Theraphosids under rocks on flats,
no obvious retreats (wandering juveniles??)

Roodplaat #3

275028	836'	$628^{\circ}20.618'$
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$$M_{2p} \text{ of } Z_{000p/22} + :$$

S → N



- working in 2N	over w/	cooperative
-----------------	---------	-------------

consequence - including higher average vol.

with	surrounded by	24 birds (some flocks)
------	---------------	------------------------

100

- Started in Acciz veld,

- proceeded down towards river $\rightarrow$

found turret entrances in short, sparse

gross habitat (pieces taken) > ~~total~~ spider

= Thurphosid. Almost certainly the

original occupant

- went down to river, w/ very

nice earthy banks, shaded, zing,

slow weening H_2O . spiders somewhat

spotty, but some news w/ good

zygotes of
idiopods + ancylozoys

14 rapid burrows very shallow (5-10 cm),

2 species: (2 genera) + 2nd, including

Schreyer Gorgyrellz Could not

distinguish These in field

doors town (we looked) - look

pics on large $\frac{1}{4}$ but not sure

of which genes:

MCH 02-089 Northern Province, Ny/suley Nature Reserve, Campsite + Picnic Area Elev 1114
 25 May, or 24-28.953' E 28°40-416'
 w/ Elizabeth
 - both areas w/ disturbance (clearings w/ human traffic) - found most spiders AT tree bases, scraping leaf litter, m; sil; including idiopids / ♀♀ cyrtadenids?
 &?? dug up from burrow

Pic A > large idiopid w/ trz pda on termite mound, hard soil
 Pic B > several idiopids w/ trz pda on side of anthouse

MCH 02-090 Gauteng Province, Smuts House Campsite, Irene (Centurion) S 25°53.210 E 028°14.012' Elev. 1464. 26 May, 02
 - along trail, mostly pine & gum, few small depression area w/ good soil
 leaf litter, ~ flat, found Anaglyptus, several ♀♀, including single entrance construct (simple open tube)

Nature Reserve
 MCH 02-091 Northern Province: Rust DE Wintur, Hammans Graal - Warmbaths Elev 1048
 S 25°13.027' E 28°29.555' 27 May, 02' - collecting w/ Martin Paulsen
 - habitat = Accia veld leading to lakeside riparian



- trashed w/ Martin to old Helephoid sites where he had also found other mygals. In Area #1 (see above) we dug up 6 Nemesiids (possibly Entegysa?) along road that runs along fence. Spiders very common in short, sparse grass habitat, building burrows w/ open doors (flush C ground level, with or w/out siken film). Burrows w/ various side chambers near top - Martin thinks that these are "airlocks" - anti-flooding devices. Spiders in densities up to 4-5 individuals per square meter, all on level ground.

MCH 02-092 - moved to hillside + rocky ravine leading to river, above road on E side - found nematodes (uncommon) under rocks w/ some web? in short burrows
 > in rocky ravine we found redipids building trapdoors on steep banks among below large rootwads - took doors > spiders in very short burrows (5-7 cm) w/ thin cork doors, 1 ♀ w/ spiderlings found, spiders common (collected)

MCH 02-093 Mpumalanga Province, Barberton, Hillside Lodge, Pilgrims Street 29 May, 02 S 25° 47.176' E 31° 03.645' Elev.
 - nematodes under rock on hill behind lodge

MCH 02-094 Mpumalanga Province, Songimvelo Nature Reserve, 0.3 mi S from Krondraal Entrance Elev 760 30 May, 02 S 26° 02.519' E 31° 00.781'
 - diploids under rocks on dry hillside above river, difficult - many webs w/ c + spiders?? 1 spider perhaps 2 nematodes??

> large aggregation of harpacticoids under rocks in small feeder ravine, floor of ravine w/ lot of litter (fishy deep / shaded).

MCH 02-095 Mpumalanga Province, Songimvelo NR, ~1.5 mi S from Krondraal Entrance Elev. 735m 30 May, 02 - area just before walking bridge over river (Komatiji)
 - habitat - Acacia veld adjacent to Komatiji river; very nice earthen banks along roads to bridge, best close (~100 yds) to bridge.

- Homostola very common here - found several large ♀♀ in large Y-shaped burrows w/ light (but very white) silk-lining. Found possible entrance construct of 1 burrow - upper branch of "Y" w/ small tab of silk on loose dirt clod covering entrance - no hinge obvious. Homostola apparently most common on banks w/ moderate slope, at in including banks w/ leaf litter
 - 2 Ancylotrypa in areas similar to Homostola, but w/ unbranched burrows.

- Idriatids (like those @ Queens River?) common on hard-vertical banks amongst root wads - building short burrows (5-7 cm) w/ doors of moderate thickness - very common in banks below road, above river.

MCH 02-096 Mpumalanga Province, Highways
 R33, 140 mi. N of Amstardam S26°15.805'
 E30°35.245' Elev. 1610 m 31 May, 02
 - roadside grassland w/ hardpan soil,
 granite boulders; collected imm.
 idiopid in small, short burrows -
 scraped.

MCH 02-097 Kwa-Zulu Natal Province, just
 outside Vryheid, ~1.2 mi up road to Grootenrecht Dam
 Elev. ~1215 m S27°45.020' E30°46.183'
 31 May, 02 - roadside grass woodland; soil perfect
 for myriads, soft but firm red clay
 > collected *Stenopus* along banks, most
 building burrows w/ thick cork doors AT
 "lip" of bank, not on flat, but also
 not on vertical surface; Found 3
 large 44's, 3 juveniles; burrow diversions
 of 1 ♀ = 15 cm x 1.5 cm width - thick
 silk lining walls of all burrows
 > also found single idiopid ♀ w/
 spiderling >> burrow scraped from well
 of small bank

MCH 02-098 Kwa-Zulu Natal Province, Ngome
 State Forest, Indigenous Forest below
 office / housing S27°49.193' E31°25.049'
 Elev. 1150 m 1 June, 2002

- *Microstigmatus* ♂/♀ (2 species? - large? small?)
 most common in dark rotten logs in
 dense forest - requiring soft wood, best
 w/ soil; spiders clinging to wood
 in chambers of various sizes. Found up
 to 6 individuals in single logs, but
 appropriate logs uncommon.

- cyrtocnemids of various sorts (*Ancylotrypa*?)
 in multiple habitats - some found
 building burrows in rotten logs -
 1 specimen found w/ Y-shaped burrow,
 thin water doors
 - other specimens scraped from banks -
 including 2 adult ♂, banks w/
 many small inverted doors (hinge-door)
 but we did not collect specimens directly
 from such burrows.
 - 1 large cypress in burrow w/ ~~cotton~~
 flap-like door entrance, no single burrow,
 paper-like silk

MCH 02-099) 22st Cape Province, Hazy R^{eg}
Great Fish River, n 1/4 mi. E cross^{ing},
E of Galesburgs Glen 290 m 3 June, 12
S 33° 07.510' E 26° 36.671'

- red clay flats, small banks above
road, Acacia dominant

- small trap doors, D-shaped, somewhat domed
fairly common in hard ground - not
quite cork, but thicker than water
- thick silk @ entrance, but becoming
much thinner @ burrow degress - burrow
depth from 5-10 cm, some spiders
facing downwards at bottom of
burrow - adult qts found - Moggridge

MCH 02-100) ECP: Great Fish River N24W
Reserve Complex #1, just past entrance q^{ue}
Elev 326 m 3 June, 02 S 33° 08.163' E 26° 44.110'

- open "Karoo" veg
- scraped imm idipid? + Stezimopus,
flat ground, around larger scrubs

MCH 02-101) ECP; Great Fish River Nature
Reserve Complex, LOCATION #2 S 33° 07.444'
E 26° 40.444' Elev 420 m 3 June, 02

- "Karoo" habitat, low scrub flats

- 2 ♂ Stezimopus / ♀♀ scraped from
flat ground - found 1 thick cork door
associated w/ ♂♂
- ♀♀ idipids in shorter burrows,
no corks found

- ♀/imm? Spirastenus? from burrow w/c
Y-shaped entrance

MCH 02-102) ECP; Great Fish River Nature
Reserve, Location #3 Elev 325m 4 June, 02
33° 07.653' E 26° 40.372'

- sloping flats down to small ravine w/
high banks

DOMINANT VEGETATION:

Acacia karoo

Grewia robusta

Maytenus capitata

Pentzia incana

Rhus refracta

Pholopogon pumilus

Lycium sp (lycubus?)

? *Ehretia rigida*

? *Ehretia*

- large *Stasimopus* on flats, but not common > many more on shaded banks of ravine, where banks had "slumped" (w/ shoulders) - ♀♀ + ♂♂ in burrows w/ thick cork doors

- 2 ♀♀ *Moggridges* scraped from exposed bank, no entrance constructs found, light silk in burrow

- *Ancylotrypa* scraped from flats, also uncommon on banks; found 1 entrance construct - double door in furrowed burrow, very shallow - water doors

- idiopids most common - trap doors on small raised "turrets" along banks, both sides

MCH 02-102: NAT HISTORY DATA

- specimen A (*Stasimopus*) door thickness 8 mm (silk tip) hinge
1.5 cm, hinge-front 1.9 cm, width @ midpoint 1.6 cm
entrance 1.8 cm, width @ 4.5 cm down = 1.5 cm
- hinge facing down, 20-25° slope (sloping from lip of bank) - total depth = 17.5 cm, width @ bottom = 1.8 cm
approx perpendicular to entrance, w straight

- B (*Idiopid*): burrow entrance ~ upright (level), on ~ 90° slopes
bank: thickness ~ 3 mm, hinge 8 mm, hinge to front 9 mm, width @ midpoint 1.9 cm
entrance = 1 cm, width @ 4 cm down = 8 mm, total depth ~ 11 cm
width @ bottom = 1 cm, straight down, curving towards bank @ bottom

* B entrance elevated (eroded) @ entrance

Specimen C (*Idiopid*) - entrance not flush, elevated ~ 1 cm (or eroded @ entrance ??); entrance @ 20-25° degree, hinge
thickness ~ 2 mm, hinge 10 mm, hinge to front 8 mm, width @ midpoint 1.8 cm, entrance 1 cm, width @ 3 cm down = 1 cm, width @ bottom 1 cm, total ~ 7 cm; irregular curving to left, back into bank; rocky soil

Specimen D (*Idiopid*) - slope ~ 15°, elevated ~ 1 cm, total = 9 cm, 1 cm @ bottom, 3 cm down = 8 mm, sinuos, but ~ perpendicular to entrance, thickness = 2 mm, entrance = 1 cm, hinge = 9 mm, hinge to front = 8 mm, width @ midpoint = 1.8 cm

* *Diplurids* common in sheet (sticky silk) webs @ base of banks w/ veg in lower part of ravine

- total # genera in simple community (all found along banks) = 5 (*Stasimopus*, *Idiopid*, *Moggridges*, *Ancylotrypa*, *Allothel*)
- idiopids most common, but not in large aggregations; some large concentrations of *Stasimopus*, seemingly 200 most common
- misids found only in single spot - 2 individuals / *Ancylotrypa* uncommon
upper end of site - *Diplurids* very common towards lower end

MCH 02-103 ECP, Hwy N2, 4.5 km E of
dirt road to Alicedale S
June, 02 Elev. 396 m
S 33° 23.434 E 26° 26.193'

- roadside banks, heath habitat (scrubs +
low trees); ♀ *Stesimopus* + *Mossbridgei*
- best scrubs for mice

MCH 02-104 ECP, dirt road to Alicedale,
~5 km S Alicedale Elev. 490m 5 June, 02
S 33° 19.937' E 26° 08.782'

- sandy ravine (shallow) in rich chaparral/
mixed evergreen habitat below road
- Alicedale common along banks, under
rocks

- *Mossbridgei* vegetation found @ lip
of bank w/ small trap doors, ♂ +
several ♀♀ found, shallow burrows
(~2-3 cm), very thin silk-lining
(perchnet)

MCH 02-105 ECP, ~2 mi. up farm mouth of
Great Fish River, farm near KAP River Reserve,
E of Pt. Alfred off R72 5 June, 02
Elev. 95m S 33° 28.130' E 27° 03.837'

- ravine forest above river plain, fairly
rich, but disturbed w/ cattle (somewhat
irregular)

MCH 02-105

- *Stesimopus* exceedingly common, w/
some very large ♀♀, many abundant -
burrows, but lots of spiders
nonetheless - building very thick
cork doors

- ♀♀ newid? found in abundant
Stesimopus burrow, white silk, irregular,
no funnel burrow; ♀ found in cracks
2-3 mm from surface
♂ found in similar situation, cracks
on side of earthen bank in ravine
bottom
- ♀♀ *Stesimopus* in abundant *Stesimopus* burrow

MCH 02-106 West Cape Province, Hwy N2 @
WITELS Picnic Area / Hiking Trail, ~13.2 mi. W
of Plettenberg Bay 7 June, 02 Elev. 262m
S 34° 02.265' E 23° 12.907'

- hiking trail thru indigenous forest habitat,
large tall trees, lots of downed logs,
sandy, unstable soils

- *Stesimopus*? common along small drainage w/
banks, building turret doors, but difficult
to follow silk past entrance

02-106

- nemesiids (both ♂ & ♀) in rotten logs, using miniature silk, small silken chambers - no entrance cutbacks found

S33° 58.216' E23° 32.334'

02-107 West Cape, Tsitsikamma National Park, along Nature Valley Road, near mouth of Grootrivier (west) 7 June, 02 Elevation 185m

- sandy, unstable soils in indigenous forest, fork of ravine w/ steep slopes, banks, etc scraped w/out success

- 2-bored Mossesides apparently common - found 5 spiders on trees of various sizes, Δ species; single doors, oriented in both door-up, door-down positions

02-108 East Cape, Hwy N2, roadside 0 Platbos Nature Reserve, just past (west) Storms River Bridge Elevation 245m 7 June, 02

S 33° 58.128' E23° 55.706'

- Spirothrips? from hard sand bank on N side of road, somewhat shaded. spiders in short burrows (up to 7cm) w/ thin silk (mainly integrity) w/ turret openings - adjacent to indigenous forest

02-109

West Cape, Koo NP, Klipspringe

Post Road Elevation 950m 8 June, 02

S 32° 20.085' E22° 28.485'

- Acacia-dominated wash plus roadside banks, "kroos" (semibark) setting - ♀♀ idiopods scraped from burrows on firm ground in wash bottom, 2 from small banks, 2 from flats - entrance constructs? thick floppy door - not common

- tenagined nigids from rocky roadcut, hard ground - frogdoars w/ overlapping edges - 1 huge ♀, others smaller

02-110

West Cape, Hwy N12, 20.2km west N of Hwy N9 Elevation 375m 8 June, 02

S33° 41.241' E22° 16.167'

- rich succulent scrub, along small rivulet, siliceous flats under small trees w/ little - soft soils, few rocks, but difficult to find stable areas

- scraped Stenimops, idiopod, imm Cyrtus? (w/ very elongate abdomen) - no entrance constructs found for these

MCH 02-110

♀ nematode in burrow under small tree
litter - entrance 2 small tunnel cleared
w/ leaves in circular fashion
→ nematode on bank

MCH 02-111

West Cape, Cape Peninsula,
Kommerville Bay, S of Cape Town
w/ NORMAN LARSEN 10 June, 02
Elev ~ SEA LEVEL 34° 08.49'
E 18° 19.193'

- *Desis famibidialis* ♂ ♀ imm - most
under limpet STICKS AT/below
high tide mark, rocky flats
shoreline

- *Amurciobius africanus* in similar
places both species building
silken retreats under shells

- salt-ticks / *philodromus* had better fr
low *Mesembryanthemum* on sandy island
53° 58.00' E 18° 26.93'

MCH 02-112

West Cape; Cape Peninsula - NP,
Newland's Forest, vic Table Mtn 10 June 02
Elev. 110m - patchy indigenous forest
young
- mice under rocks, logs in moist
area

MCH 02-113

West Cape, Hwy R303, 2.8 km E
of CITRUSDAL (crossroads) Elev 355m 11 July, 02
S 32° 36.179' E 19° 02.411'

- rich w. facing "chiparell" ravine (soft shrubs,
small trees), sandstone soil + rocks
exposed

- several different genera sparse in habitat,
most seized from under shrubs, including
mrigids, idiopids, nematodes? *Theraphosids*,
NOTHING very large, lots of immatures

MCH 02-114

West Cape, N7, 20.8 km S of
Claus William Elev 206m 11-12 July, 02
(R364) S 32° 20.015' E 18° 55.489'

- sandstone chiparell flats w/ deep cutbanks,
soft shrub vegetation

- *Theraphosids* more common, building small (1-2 cm)
turrets w/ small leaves, sticks, etc - larger eggs
along fence row

- nematode / *Cyrtocbenoid*? sparse in flatter
areas, openings (none found under shrubs)
- burrow w/ open c surface, small silken
tip; soil slightly domed, c entrance
w/ a horizontal section (23 cm) leading
to deep (20-25 cm) vertical burrow w/
very little silk. Side passage to guide
c vertical / horizontal junction

02-115 North Cape, ~0.5 km E N7 (road +
Buffelsfontein), 11.4 km S of Garies

Elev 395 m 12 June 02

S 20° 38.737' E 18° 03.527'

- sparse, open scrubland (low) w/ gravel
outcrops, sloping to small wash
w/ some erlen banks

- large *Moggridges* in burrows w/ light
silk / idiopids w/ more silk,
tending towards cleared thickets

02-116 North Cape, Hwy N10, ~75 km NW
of Upington Elev 800 m 15 June, 02

S 28° 16.159' E 20° 30.507'

Acacia scrub grassland, red sand soils
- roadside, small drizzle w/ loose

burrows

- immature *Galeosoma* scraped from bank,

"wandering" burrows, light silk

02-117 North Cape, Spitskop Nature Reserve
Gruen Park, NE Upington Elev 900 m 16 June, 02

S 28° 19.893' E 21° 09.555'

- flat, rolling grasslands / sparse shrubs, com/csc
red sand soils

- mature ? *idiopid* scraped from base of shrub - void
burrow, unmarking no silk

02-118 Northern Cape, Hwy N14, km W

f Olifantshoek Elev 1200 m 16 June, 02

S 28° 01.508' E 22° 39.806'

- Acacia scrub c base of small hills,
large vines w/ high study banks, smaller
vines c sides

- tentative *Moggridges* fairly common on
banks - 2 boxes found w/ Moss - overl-
leaves, fairly thick silk c mouth -
mobt scraped, w/ very little silk in
burrows varying from 6-10 cm
- single ? *idiopid* - scraped from bank

Digital Images

Digital Image #	35 mm image	
471-479	(35mm A 6-13)	large ♀ microstigma (02-098)
480-495	(" 14-30)	large ♂ " (02-098)
496, 497	(31-36 ")	large ♀ idiopoda (02-089)
498-517	(1-11 B)	♀ Galeosoma (02-091)
529-531	(10? → 206)	♀ Idiopid (02-115)

McH 02-119 CA: Monterey Co., Jacks Ridge

Co. Park, @ entrance, off Hwy 68

E of Monterey 7-27-02 N 36° 34.432

W 121° 51.433 Elevation ~ 300 ft. w/ J. Starnett

P. Payson

- roadside banks, shallow slope above, sparse mixed forest - collected *A. trichopus* by scraping, including ♀ w/ eggs SAC (♂ burrow end?) - seemingly common

(large ♀ *Aptostichus* in disturbed ravine)

McH 02-120 CA: Monterey Co., ~ 100 yards

N Intrusion Vieja/Venezuela Rds, 1 mi. E

Hwy 1, Monterey N 36° 34.558 W 121° 53.980

27 July 02 Elevation ~ 300 ft.

- *Athysanella* nests on N-facing roadcut,

large individuals w/ open tunnels

- loose soil @ surface, but harder calcareous

deeper - burrow shapes irregular

Burrows: diameter turret (top) burrow depth

① 11 mm 36 mm 145 mm

② 9.5 55 138 mm

③ 9.0 42 138

④ 12 71 141

⑤ 9.9 33 66 149

* some large individuals w/ thin silk webbing

@ turret entrance (w plug) - pine litter

- common in small area

McH 02-121 CA: Santa Cruz Co., 4-4.1 mi

N Squirrel Center on Sogre/Old San Jose Rd

37.0383 - 121.9446

27 July 02

- reduced forest on W side of highway, deep ravine w/ steep banks on both sides

Burrows DIAM TUNNEL ATYPICITY

① 11.5 25 195

② 9 44 178

③ 12 35 179

rich mycel community @ this site: small

Megascops in loose webbing in cracks / crevices,

under litter in banks; large ♀ *Myrmica*

in burrow w/ loose-fitting trap door (w/zer) -

pics taken; 2 species of *Athysanella* -

large, w/ deeper burrows

(*A. californiana*?) one smaller,

in shallower burrows (*A. trophonius*?)

7 small clear fast w/ soil plug -

Athysanella; pics of old *Athysanella*

- *Athysanella* common, all other species

in common

(Unit 02-122) CA: SANTA CRUZ Co., 24 mi.
 9, ~3.2 mi. N Felton (e. Int. sc. th.) (0176)
 Henry Colwell, Redwood's SP N37° 01, 05, 10
 W 122° 03, 83, 715 Ew ~ 500 ft 7-27-02
 - W side of road, E-facing redwood vine-2
 system, many steep-sided banks

<u>A. riversi</u>	<u>burrows</u>	<u>eliza</u>	<u>thrust</u>	
①	13.5	53	130	
②	11	22	165	
③	10	25	160	
④	10	35	160	
⑤	11	50	260	
⑥	10	52	328	

- A. riversi not all that common fairly scattered; few Alizapous ^(serpents) gronus in steep faces w/ harden soil below large root systems ~ 2 ft w/ egg sacs, & 2/3 burrow depth. Fairly shallow burrows (< 8 in); 1 large; several small cyrtodactylids (Aptostichus) - largest in burrow w/ flush opening, no door? - some Aptostichus burrows very deep - all loosing integrity / narrowing noticeably @ end - no silk? dirt collapsing onto spider.

(Unit 02-123) CA: CONTRA COSTA Co.,
 Huckleberry Botanic Regional Preserve,
 OAKLAND, ~ 3/8 mi. Lower trail
 N37° 50, 524 W 122° 11, 688 28 July 02
 1300 ft Ew w/ Steve Lew
 - Aptostichus common in one spot E-facing
 shaded ravine - perhaps many more further in
 trail??

<u>A. riversi</u>	<u>Pitch</u>	<u>Twist</u>	<u>Dpth</u>
①	9.5	20	110
②	9	19	129
③	9	25	190
④	10.5	16	172
⑤	10	20	130

(Unit 02-124) CA: SONOMA Co., ~ 3 mi.
 W Guerneville, off Hwy 116, P. Craig
 House
 N38° 28, 715 W 122° 59, 979 Ew ~ 40 ft.
 7-28-02
 - roads/trails on hill East of house, w/
 excellent shaded banks - cyrtodactylid (Aptostichus)
 very common in many A. sitatunga, building
 trapdoors (refus, much veg in door); Alizapous
 much less common on vertical banks
 w/ int veg; No Aptostichus??

(02-125) CA: Mendocino Co., Henry Woods
 SP, off (128) N 39° 04.573
 W 123° 28.590 Elevation ~ 280 ft. 7-28-02
 - redwood forest @ night lots of
 Callisaurus in redwoods

(02-126) CA: Mendocino Co., road to
 Henry Woods SP, bridge crossing of
 Navarro River N 39° 05.187
 W 123° 29.151 Elevation ~ 100 ft. 7-29-02
 - dryer site, oak / pine mixed just south
 of river, ~ straight W of entrance to
 park (~ 1/4 - 1/2 mile). Atropis found
 close to road in small ravine, further from
 road along dirt road, base of pines

Atropis	Diam	Turnet	Depth
①	10.5	18	130
②	8	18	95
③	12.5	26	177
④	11	32	170
⑤	10.5	54	125
⑥	11.5	46	170

(net 02-127) CA: Mendocino Co., Hwy 253,
 5.7 mi. W of junction w/ Hwy 101, SW
 of Ukiah N 39° 03.311 W 123° 14.699 Elevation
 ~ 2000 ft. 7-29-02
 - oak / madrone woodland, SE-facing roadside
 w/ "balks"; Callisaurus in burrows w/
 silken openings, small "lip" on one side;
 essentially no silk in burrow - not obvious
 if spider dig burrows, w/ apparent other? Found 3
 large qfts, one w/ eggs sac suspended like
 hammock in large open cavity ~ 1.5 x 2 inches
 in silk container
 (net 02-128) CA: Humboldt Co., ~ 1.3 mi
 W Redway on Redway / Brice Rd
 40.12705 - 123.84108

N 40° 07.406' W 123° 50.488 Elevation ~ 2000' (20)
 7-29-02 - redwood forest / oaks
 Atropis scattered, some on fairly sheltered slopes
 - some qfts very large; turnet openings NOT
 FAR FROM TOP OF DEEPER
 LIGN

Atropis	Diam	Turnet	Depth
①	8.5	22	130
②	10.5	56	82
③	13.5	25	130
④	11	45	~ 155
⑤	10	10	~ 100?

 w/ soil plug

Atropis spinulosus (3) on vertical bank just
 E of bridge, S side

(MCH 02-129) CA: Humboldt Co., East Fork
 Willow Creek Engsd., off Hwy 299, mi.
 W of Willow Creek 30 July 02
 N 40° 54.433 W 123° 42' 44" E
 40.90475 -123.70652

Arisei	Dian	Turret	Depth
①	10	25	158
②	12	49	~150
③	11.5	50	152
④	10.5	35	175
⑤	10	24	200

* in thicker silken socks @ end of
 burrow - roadside slopes on W side
 of concrete road beyond bridge

- site of beeking experiment #1 (10 am - 2 pm)
 - large Douglas fir, maple, chinquapin etc, also
 dominant near; understory of smaller trees /
 shrubs; worked along road which parallels
 N-S trending stream, perhaps 20-50 yards
 off stream

(MCH 02-130) CA: Trinity Co., Hwy 299,
 8.3 mi W of Delwata N 40° 47' 40" W 123° 27' 26"
 Elev ~1100 ft. 7-30-02
 near mouth Bidden Creek

- roadside slopes / pine / oak - fairly dry;
 Atropis very common in single
 aggregation

Arisei	Dian	Turret	Depth
①	12	29	140
②	8	35	160
③	10	27	—
④	10	40	160
⑤	10	25	~150

(MCH 02-131) CA: Stanislaus Co., New Springs
 Creek, S of Mt. Shasta City
 N 34° 15.9 W 122° 19.4 Elev ~3300 ft
 7-30-02 (AT NIGHT)
 * along road to New Springs ~0.6 mi. E of
 just W of Lake Stanislaus Road

- working 2 areas, one along road to
 Spring (roadside pinks - forest); other area
 along creek just above Spring

- both Antrodia; Atropis along roadside
 bank, Antro more common; Atropis w/
 burrows completely filled open

02-131 found 30's / 11♀ wandering Antrodiaetus, 2 over new spring; lots of Tetragnathus / metatarsus? in spleen

- digging out At. gertschi by day:

① ~15 dia 170 deep (no tunnel)

* Antro w/ heavier silk in burrow than Atagoides, w/ very little silk in burrow (besides entrance).

02-132 OR: Jackson Co., Ashland, Lithia

Park, 1st parking area ~0.8 mi-

S of it Granite/Winburn St. along Ashland Creek

31 July, 2002 42.17668 -122.71702

- trail from parking area ~200 yards

S along stream; spiders found on

W side of large clearing in

small ravine

- both Antro ?

Atagoides side by

side, Antro more

common ??, using

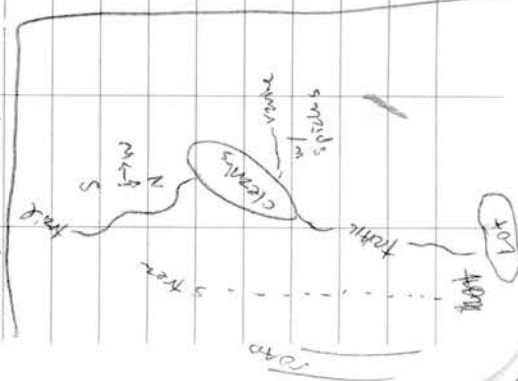
more silk in burrow.

BOTH very deep here,

exceeding 200 cm.

- collected 8♀ A. gertschi

+ several Antrodiaetus



MEH 02-133 CA: Shasta Co., Hwy 89,

1.2 mi. W crossing of HAT Creek @

"Bridge" Campground, 5.7 ~ mi. NW of

Old Station N40°44.236 W121°27.602

Elev ~3800 ft. 7-31/8-01-02

- sandy/pumice N-facing roadcut, but

very open, dry; observed Atagoides

gertschi @ night, sitting @ entrance of

burrows, completely open w/ silken

"lips" - spiders common here, > 5

large qts in 20 minutes found; also

found ♀ w/ prey out of burrow,

apparently had lost burrow during

prey capture event ??

> light silk in burrow, very loose substrate

MEH 02-134 CA: Plumas Co., Hwy 149,

Lake Almanor, 4.5 mi. N just w/ Hwy 89

N40°13.922 W121°04.536

Elev ~4500 ft 8-01-02

- large ♀ w/ spiderlings Antrodiaetus in

high roadcut, top w/ shallow slope - much

silk in burrow

A. montanus

~~WCH 02-135~~ ~~CA: Plumas Co, Hwy 89~~
~~mi. W of Green Valley~~

WCH 02-135 CA: Sierra Co, vic Yuba Pass
 Yuba Pass Campground 8-1-02 N 39° 36.954
 W 120° 29.535 SW ~6700 ft

* most *Atysodes* ~300 yards E of Yuba Pass
 along Hwy 49, on low sandy slope on S-side
 of road

Agrotis measurements:

- ① 9 diam, 210 deep
- ② 10.5 diam, 185 deep

* silk entrance, ~ no silk along burrow,
 shape irregular, usually down, then
 back parallel to surface. spiders
 not at entrance (open), but funnel
 down burrow; very light silk

WCH 02-136 CA: Sierra Co, Hwy 89,
 10 mi. N west w/ I-80 8-2-02
 N 39° 31.466 W 120° 17.258 SW ~6000 ft

- *Americanus* spp in *Artemisia* flat adjacent to
 creek, W side of highway, slight slope

WCH 02-137 CA: El Dorado Co, Bayview
 Trailhead Campground, Emerald Bay, Lake
 Tahoe, of Hwy 89 8-2-02 N 38° 56.733
 W 120° 05.889 SW ~6850 ft.

- open pine/spruce forest; gently sloping
 banks in forest along trail, rodent
 pile litter coverings; burrows open,
 common

Arvensis burrows

	Diam	Turnet	Length
①	13.5	5	216
②	11	10	130
③	14	12	240
④	10	30	212
⑤	12	6	248

- heavier silk in burrow, more than
A. agrotis

MEH 02-138 CA: Mono Co., Hwy 89, 4.1 mi
W jct w/ Hwy 395, E of Monitor Pass
8-2-02 N38°39.220 W 119°35.641
Elev - 6500 ft.

Arvicola burrows:

- ① 10 13 > 250
- ② 10 15 "
- ③ about the same, very deep
- ④ 9 13 "

- spiders uncommon, ~ 50 yards below (S)
of highway beneath pull-out (NOT
hairy turn, closer to 395) - 2 lvs
steep banks on N-side of stream

(MEH 02-139) CA: Mariposa Co., Yosemite
NP, Hwy 120, 17.2 mi E Crane Flat (41/140)
N 37°50.912 W 119°36.131 Elev ~ 7900 ft
8-3-02

- fairly open pine forest w/ boulders on
N side of highway, opposite large
paved pull-out on S side of road
(most burrows found ~ 100 yards W of pullout)
- gently-sloping to N first ground, spiders
most common in places w/ minimal litter

Arvicola burrows:

①	8.5	7	137
②	10	15	209
③	9	20	150
④	8	6	155
⑤	9	23	2230

- all in open
tunnels

- also Alutagpus "(janus?) on flat areas
adjacent to boulders w/ compacted
soil, no litter - no doors, 2
f's? scraped

MEH 02-140 NC: Macon Co., ~ 4.3 mi. S Stirling
Indian Community, FR 67 N35°02.081 W 085°30.339
Elev ~ 3700 ft. 20 August, 2002 w/ P. Payson.

M. Lowder F. Doyle

- Michael worked above (E) of road, W-facing, deep
soil/litter w/ rocks - nice habitat

30-Min Nighttime Survey

ME: 8 seen 4 collected (8 total)

MEH: 2 collected, 1 collected seen NOT collected (F)

- MEH worked below road, much drier - poor habitat

- Hypodiplosis poolei ~ large medium vols

MCH 02-141 NC: Macon Co., Black Creek Road,
w/4 mi. S jct w/ Hwy 64, E Side
Chucky Gap MW. N35°05'52"
W083°33.979 Ew ~3400 ft 8-20-02

30 min Nestle's survey

- collected all nestle's seen

- very scrubby (w/ trash, old cars) roadside
boulders, below road, just above stream

MCH 02-142 NC: Macon Co., FR 71 (Deep Gap rd)
0.2 mi. N Deep Gap N35°02'55' W083°33'
302 Ew ~4300 ft 8-20-02

30-min Nestle's survey (all collected)

- sparse rocks scattered w/ small drainage

MCH 02-143 NC: Clay Co., Engle Fork Creek,
R Fork, SE of Shooker Creek, N
Hightower Bald N35°00'44" W083°33'
Ew ~2300 8-20-02

- disturbed - recent

logging, burning
new bald field, hill
slope + 2m

18 Nuthatches / 19 deer

MCH 02-144 NC: Clay Co., Fires Creek,
Tusquitee MWS., Long Branch, just up from Short Branch
N35°09'869 W083°44.458 Ew ~3500 ft.

8-21-02

30-min Nestle's survey: (3 people)

- 21 Nestle's collected

- Sferins + N-felds, rockfields

- Hypochin on cliffs near falls

MCH 02-145 NC: Clay Co., Fires Creek
Rd (FR 340), 1.1 mi above jct w/ FR 340A
N35°06'592' W083°49'600 Ew ~2500 ft.

8-21-02

- very nice rockfield above (S) of road,
deep litter, lots of space / low noise
below road (both N-felding)

15 min survey (3 people)

MCH 02-146 NC: Clay Co., Fire Creek Road (FR 340) 1.2 mi. above (FR 340) 1344 ft
 N 35° 06' 17" W 083° 50' 01" ELEV ~ 2050 ft. 8-21-02
 - Hypocichlus on roadside cliffs, very abundant

MCH 02-147 GA: Towns Co., Hwy 180 spur, road to Bressstown Bald, mile 1 MARKER
 N 34° 51' 64" W 083° 48' 102 ELEV ~ 3300 ft.
 8-21-02 - Hypocichlus on roadside cliffs

1 hour Nesting search, ravine below road; boulder field (S-facing) very dry, no Nesting; most found in bottom of ravine w/ H₂O - rubble & pebbles (many #4 w/ exposed)

MCH 02-148 GA: White Co., Anna Ruby Falls REC AREA N 34° 45' 456'
 W 083° 42' 600' ELEV ~ 2050 ft. 8-21-02

- Hypocichlus common on boulders along trail to falls, many white #4's
 - looked for Nesting in few places (nothing convincing), no luck

MCH 02-149 GA: Towns Co., High Shoals Creek, N of Indian Grove Gap, Forest Road off of FR 383 N 34° 47' 639' W 083° 42' 587
 ELEV ~ 2800 ft. 8-22-02
 - along stream, N-facing Rhod. Thicket - perhaps 1 imm Nesting under small rocks/mudstone stream edge

MCH 02-150 GA: Lumpkin Co., DeSoto Falls Rec Area, trail from trailhead lot to Upper Falls N 34° 42' 371 W 083° 54' 917
 ELEV ~ 2000 ft. 8-22-02
 - Hypocichlus on rocks along trail, c Falls

MCH 02-151 GA: Fannin Co., Cohutta Wilderness, Clumpen Trail, ~ 1 mi NW Three Forks trailhead, below Cohutta Park on Cooper Mts. N 34° 53' 430' W 084° 34' 291
 ELEV ~ 4100 ft. 8-22-02

- worked NE-facing dry boulder field first - little rock accumulation, no space beneath rocks, dry, fairly exposed - no Nesting.
 - continued down trail to small drainage, pink in trail, rocks in drainage worked, moist, but no running H₂O - Nesting here, many #4 w/ eggs, sacs, no #5's
 - drought conditions impacting imm-birds of spiders & hallowing H₂O

MEH 02-152

TN: Polk Co., FR 221,
N of Peavine Mtn., vic Big Fog Mtn.
Wilderness N 35° 03.186 W 084° 30.832

Elev ~ 1900 ft 8-23-02

- walking above/below road where it
crosses small drainage w/ rocks - no
H₂O (of 02-151) - ²⁴⁶ m small boulders
drainage, 246 m small boulders
adjacent to drainage below road - 10' max

MEH 02-153 TN: Polk Co., Hwy 64, along
Lake Oake, ~ 1/4 mi. E Greasy Creek bridge
N 35° 06.631 W 084° 33.881 Elev ~ 900 ft

8-23-02

- *Hypochilus* in drainage on
N side of road small pullout -
mostly subadults, but also
adult ♂ & ♀ in small numbers
large outcrops on E-side of
road

MEH 02-154 AL: Lawrence Co., Bankhead NF,

Sipsey Wilderness, ^{vic} trailled e end of
FR 208 N 34° 20 W 087° 28 Elev ~ 200 m
8-23/24-02

- 9 *Cyclocosmia* w/ spiderlings collected in
small creek branch ~ 200 yds W of
bridge, NW from road; in branch
~ 200 yds from road, on South bank
(NE-facing) opposite large overhanging
rock - building burrows w/ water
doons in clay soils, relatively
little silk - burrow dimensions of
large abandoned burrow adjacent to
♀ = 230 mm deep, ~ 30 mm Ø
entrance; top of burrow wider than
bottom

- burrow #2 (abandoned) - 190 mm deep, 15 entrance

- worked on trail 206 E of bridge lot, same
stream branch; many excellent mygalid
microhabitats - banks along main branch,
many feeder burrows w/ steep banks -
mostly ~~small~~ sandy soils.

- collected 5 *Cyclocosmia*, other juv *Cyclo-*
24 *Hypochilus* w/ spiderlings

1 mm. Umidir in short burrow

MCH 02-155

TN: Hamilton Co., Raccoon

mta - Valley Caverns N35° 01.275

W085° 24.470 Elev ~ 350 ft. 8-25-02

- summary of 00-137 results (7/25/00):

Jannet's Room - 2 subadults

Geat Dune Room - nothing

Skylight Dune - 2♂, 2♀♀

Sleeping Areas - 3♀♀

Surprise / Skyline Dune Rooms - nothing

Grand Junction Rooms - 3♂, 2♀♀, imm

- summary of 99-017 (7/13/99):

Jannet's Room - 1♂, 9♀♀, 9 imm ♀

Sleeping Room #2 - 1♀

- NESTING follows walk w/ P. Payan, M. Woods, Steve Perlicky, Patti Perlicky, Jerry Wallace

- vic. Grand Junction Room

5 *Phalangodes*

2 imm *Nyctius*

2 millipeds

Heliomyzids / coral crickets

- Skyline

1♂ adult / 4 adult ♀ / 5 imm *Nyctius*

1♀ w/ 12-15 spiderlings in bell, held near chela

- found most *Nyctius* in / around Skyline Dune

area - moist here, WTS of litter on

floor, water also coming from above,

seems fairly close to surface -

several ♀♀ found in breakdown

steps leading to ceiling

- Jannet's fairly moist, but few

other animals seen - 1 *Phalangodes*;

saw several coral crickets / *Heliomyzids*

in breakdown on slope above huge

wall - no *Nyctius* found, but 2 likely

spot. NOTHING in stream passage leading

to Swamp, NOT searched rigorously

- drought conditions here in 2002,

but still reasonable moisture in cave.

* see ALSO notes of P. Perlicky on *Nyctius*

observations in cave: July 28, 2001 - *Nyctius* w/

egg case in Grand Junction Room; beginning of

Sept - no egg case; Feb 2002 - egg case again;

March 2002 - cricket on ceiling near *Nyctius*;

mid-March - *Nyctius*, egg case gone; mid

July - 3♀ *Nyctius* in Grand Junction room

MCH 02-156

TN: McMinn Co., FR 297,
1.3 mi. S jct Hwy 39, N end of

Starl Mtn N35°20.517' W084°24.453'

Elev ~ 1700 ft. 8-26-02

- Hypochilus sparse in rock outcrops

above road

MCH 02-157

TN: Monroe Co., Tellico River,
Bald River Falls N35°19.534'

W084°10.634' Elev ~ 1700 ft.

8-26-02 - Hypochilus common in
large rock cliffs @ N-facing roadside

pullout - boulder field ~ 200 yds W of bridge

above road, N-facing - many Nestings

perhaps 20 ♀, 1 ♂; nice habitat

MCH 02-158

NC: Cherokee Co., Nantahala
NF FR 420 along Tipton Creek, 1.2 mi.

S of TN/NC state line N35°15.017'

W084°01.341' Elev ~ 3200 ft. 8-26-02

- Hypochilus sparse on isolated small boulders

- Nestings in boulder field above road, N-facing

concentrated in small drainage

MCH 02-159

TN: Monroe Co., Indian Boundary
Campground, off Hwy 165 N35°24.143'

W084°06.234' Elev ~ 1800 ft. 8-26-02

- 29 Antrodiaetus unicolor w/ spiderling
scraped from roadside bank, entrance road

adjacent to loop D in campground Citico

MCH 02-160

TN: Monroe Co., along
Creek on FR 35-1, 1.3 mi. NW of Double Camp

Campground N35°25.511' W084°06.279'

Elev ~ 1260 ft. 8-27-02

- Hypochilus common on N-facing roadside
cliffs

- Nestings in shallow boulder field above
road, N-facing steep slope; very

low elevation site; 2 ♂, several ♀

Phrynosoma + Basiliscus

MCH 02-161

NC: Graham Co., Snowbird Creek,
FR 75 0.5 mi jct w/ FR 2579

Road N35°16.398' W083°54.307'

Elev ~ 2450 ft. 8-27-02

- Hypochilus on isolated rock outcrops on S.

side of creek, N-facing rocks in boulder

- few Nestings under rocks

thicket on S side of road

MCH 02-162 NC: Graham Co., Snowbird
Mtns., FR 423 on Long Creek, 1.4 mi.
NW Tatham Gap N35°15.474 W083°49.114
Elev ~ 3200 ft. 8-27-02

20-min Nesting survey (3 persons)
- 3♂, many ♀♀ in short time
- beautiful boulderfield, N-facing, large
rocks, deep, lots of internal space

MCH 02-163 NC: Swain Co., Hwy 28 zlong Cove,
Cheoah, in GRSMNP, 2.5 mi. E just w/
Hwy 129 N35°27.864 W083°53.194
Elev ~ 1300 ft. 8-27-02

- Hypobius in rocky S-facing ravine

MCH 02-164 NC: Graham Co., Joyce Kilmer
Memorial Forest N35°21.512 W083°55.746
Elev ~ 2070 ft. 8-28-02

- Hypobius on boulders, west N of creek

- Nesting skins very common - found 7 ♀ w/ eggs
sacs in rotting logs, NOT collected
- many others seen in webs close to
SV (face)

- 4 ♀♀ taken from beneath rock overhang

MCH 02-164

Furnace de prelonator -
- 3 adults, 3 imm - found in rotting hemlock
(1 foot across) on slight slope in shaded
hemlock area - logs mostly decayed,
moss-covered, but w/ stringy soil)
wood inside (not completely solid)
- animals not changed

MCH 02-165 NC: Graham Co., App Trail, ~ 1/4 mi.
S Stecoah Gap @ Hwy 143 N35°20.385
W083°42.849 Elev 8-28-02

20-min Nesting survey

- excellent N-facing boulderfield up trail,
past steep incline to ridge, ~ 300 yds
W of first ridge
- deep, large rocks - Nestics very common

MCH 02-166 NC: Graham Co., Hwy 28, 0.6 mi.
E entrance to Ozble Cove Campground
N35°25.404 W083°45.081 Elev ~ 2100 ft.
8-28-02

20-min Nestics survey - roadside N-facing

boulderfield, somewhat dry, not too deep

MCH 02-167 NC: Graham Co., ^{junction} of
FR 405/68 along Panther Creek R
Cook Branch confluence, N of
Grassy Gap N35°22.060 W083°37.631
Elev ~2000 ft 8-28-02
- few rocks above camp, more Nestlers
near large creek, boulderpiles / overhangs

MCH 02-168 NC: Swain Co., Alark Road (cl.)
Alark Creek, 3.4 mi. E Alark2 (just deep Gap Road)
N 35°20.891 W 083°24.381 Elev ~2700
ft. 8-28-02
- huge, deep boulderfield on W side of road,
NE facing - Nestlers deep, many
immatures
- Hypobolus in outcrops above boulderfield,
very common

MCH 02-169 NC: Macon Co., S of Waynes
Bld, FR 388, 0.9 mi. S of Waynes field
N 35°09.351 W 083°33.072 Elev ~3400 ft
30 August, 2002

1-Hour Nestlers survey:
3 imm not collected

- excellent N-facing boulder field

MCH 02-170 NC: Macon Co., FR 7114 along
Bear Creek, App Trail, ~1/3 mile S
Burrington Gap N35°13.109 W083°33.835
Elev ~4500 ft. 8-30-02
- 15 min Nestlers survey: 3 imm not collected
- limited rock in wet seep above trail

MCH 02-171 NC: Macon Co., FR 440, crossing
Big Tuni Creek, 0.1 mi. Bob Allison Picnic Area
N35°08.777 W083°41.844 Elev ~3180 ft.
8-30-02
- 40 min Nestlers survey along Tuni creek,
small boulderfield on N side, ~200 yd W
on trail

MCH 02-172 NC: Macon Co., Nantahala River,
Ball Pools, 1.1 mi. S junction w/ 74/119 (backcountry)
4th bridge crossing) N35°16.152 W083°39.951
Elev ~ 830-02

- 5-hr survey, boulderfield, good depth, fairly moist
30-min Nestlers survey - all collected

MEH 02-173 NC: JACKSON Co., Dicks Creek
Q ROAD confluence N35° 24.335
W 083° 15.518 Ew ~ 2350 ft.
8-31-02 - Nestling found on S side
of stream, steep N-facing outcrops w/
some boulder piles

MEH 02-174 NC: MACON Co., Big Buck
Creek @ FR 4591 N35° 07.995
W 083° 14.625 Ew ~ 2900 ft.
8-31-02 - searched for Nestling along
stream, weak boulderfield in N-facing Rhodo thicket.
none found

MEH 02-175 NC: MACON Co., Glenn Falls,
Nentzelhals NF, off Hwy 106 w of
Richters N35° 02.017' W 083° 14.129
Ew ~ 3600 ft 8-31-02
- Nestling behind Glen Falls, rock overhang,
deep, moist

MEH 02-176 NC: MACON Co., Cull 232 ft Div.
Gulf, Hwy 28 / 64 3.2 mi S Cull 232 ft Falls
9-9-02
Hypobrycon on roadside cliffs, both sides
of road

MEH 02-177 NC: JACKSON Co., Nentzelhals NF,
Coward Mountain N35° 21.638 W 083° 06.222
Ew ~ 3800 ft. 1 Sept, 02
- disturbed / crossing Wisteria, P. Pagrus / M. ^{only}
- most below road in rhodo thicket + seep
w/ boulder piles

MEH 02-178 NC: JACKSON Co., Nentzelhals NF,
Coward Mtn., 5.3 mi. E Coney Fork just w/
Moses Creek on Moses Creek Road
N35° 20.114 W 083° 05.382 Ew ~ 3700?
9-1-02

- N-facing rocky seep + boulderfield

20-min Nestling survey

MEH 02-179 NC: JACKSON Co., Nentzelhals NF,
Rich Mtn., ~ 3 mi. NW of
Balsam Lodge N35° 17.444 W 083° 00.237
Ew ~ 4600 ft 9-1-02

- nice boulderfield above road, but along
SW exposure - no Nestling; few fern
below road in seep w/ rocks

- Hypobrycon

MCH 02-180 NC: MACON Co., Chattooga R.

C Bull Pen Bridge, N35°00.962

W. 083° 07.600 Elevation ~ 2400 ft.

9-2-02 w/ F. Coyle

- dry on E side of river - nothing
- more on W side river, low overhangs under boulders 10-20 meters from H₂O
- Hypochilus common

MCH 02-181 GA: Rabun Co., Hwy 76 @

Chattooga River Crossing, W side river @ first driveway to north

N 34° 49.033' W 083° 18.365'

Elevation ~ 1300 ft 9-2-02

- rock outcrops along main river dry, no Nuttallia, few Hypochilus, ♂ & ♀ eggs, 2 in limited habitat of overhang along small feeder stream w/ steep slopes

MCH 02-182 SC: Oconee Co., Hwy 28, near

Chattooga River Crossing, Russell

Farmstead N34° 54.540' W 083° 10.404'

Elevation ~ 1600 ft 9-20-02

- open grassy meadow
- ♂ Nuttallia
- ♂ Hypochilus

MCH 02-183 NC: Jackson Co., Upper Whitewater

Falls, along river above Carbin Creek

N35°02.021' W 083° 00.947' Elevation ~ 2100 ft.

9-2-02

- some Nuttallia under boulder overhangs along stream; seemingly more above stream on E side in small boulder piles
- Hypochilus very common, none collected

MCH 02-184 NC: Swain Co., GRSMNP, Deep

Creek above parking lot N 35° 27.865'

W 083° 26.062' Elevation ~ 1800 ft. 9-3-02

- Hypochilus on trail side outcrops, very common

MCH 02-185 NC: Swain Co., GRSMNP, Balsam

Mtn. ROAD, 0.2 mi. N entrance off BRP (mily post)

N35°32.622' W 083° 10.074' Elevation ~ 4700 ft.

9-3-02

- Nuttallia in boulder field below road, very steep, fairly dry

MCH 02-186 NC: Swain Co., GRS MNP,
 ~1/4 mi. NW Haintoogz Overlook / Picnic
 Area on Haintoogz Round Bottom Road
 N 35° 34.485 W 083° 10.832 ~5300 ft
 9-3-02
 - rocks in N-facing deep, ♂ & ♀ *Nestora*
 in ~5 minutes

MCH 02-187 NC: Haywood Co., Fire Top Road,
 Fire Creek & Pulsifer Lane
 N 35° 32.707 W 083° 06.267 Elevation ~4100 ft.
 9-3-02
 - roadside stream, wet habitat
 1 ♀ *Nestora*

MCH 02-188 NC: JACKSON Co., off Hwy 19
 @ Soco Creek, ~1/2 mile up SHUT-IN
 creek ROAD N 35° 28.055 W 083° 13.055
 Elevation 2700 ft. 9-3-02

- beautiful N-facing, rich boulders
 above stream; many ♀♀ *Nestora* in
 short search, no ♂♂

MCH 02-189 NC: Transylvania Co., FR 140
 ~1/4 mi. N just w/ Hwy 215
 N 35° 15.016 W 082° 53.337 Elevation ~3000 ft.
 9-4-02
 - 30-min *Nestora* survey (3 purple)
 - poor habitat, streamside roadkill, dry

MCH 02-190 NC: Haywood Co., Hwy 215 N of BAP,
 along Whit Fork of Pigeon River
 N 35° 20.337 W 082° 54.094 Elevation ~4200 ft.
 9-4-02

- large boulder boulder field above, below
 road @ *Nestora* in just before creek
 crossing - few *Nestora* (1♀, 1♂), very
 small *Hypochilus*

- *Nestora* much more common along stream
 itself - large rock/cliff overhang

MCH 02-191 NC: Transylvania Co., Hwy 215 ~2 in.
 S Sunburst CG N 35° 21.936 W 082° 55.780
 Elevation ~3400 ft. 9-4-02
 - nice boulder field above road, somewhat exposed,
Nestora rare (1 ♂, 1 imm)

MCH 02-102

NC: Transylvania Co., Hwy 276 @ Dwellers Pt. 1 mi. S

COUNTRY

BRP

W082° 45' 54" N 35° 17' 04"

9-4-02 ELEV ~ 2300 ft.

see 01-180

- site revisited, looking for adult ♂

- several ♀♀ p

MCH 02-193

NC: Haywood Co., Hwy 276

mi. N BRP N 35° 22' 05" W 082° 43' 34"

ELEV ~ 4400 ft. 9-4-02

- nice boulder field, rich, much moss, N-faces

- Nesting somewhat difficult to find

MCH 02-194

NC: Buncombe Co., Hwy 151

~ 2 mi. NE BRP junction, N of

Mt. Pisgah N 35° 26' 68" W 082° 43' 34"

ELEV ~ 3700 ft. 9-5-02

- small boulder field / in rocky drainage above

road: Nesting very rare, through

habitat decent

MCH 02-195

NC: Yancey Co., BRP @ Balsam Gap, just down 31, Butt Trail N 35° 44' 923

W082° 19' 927 ELEV ~ 5200 ft. 9-5-02

see 01-169

- more ♀♀, p, trying to get molt

to adulthood

MCH 02-196

NC: Buncombe Co., Walker Branch of Dillingham Creek, drainage N of Walker

Falls branch on FR 74 N 35° 46' 064'

W082° 21' 561 ELEV ~ 3700 ft. 9-5-02

see 01-168

- more p, pfs

MCH 02-197

CA: San Diego Co., N end of Imperial Beach, ~ 0.5 mi. N of YUCA Camp

N 33° 36' W 117° 08' ELEV ~ sea level

23 Sept, 02

21115 (Cornell) w/ M. Lowder, Damiano

- looking for H. instillator, Nicole? (Cornell)

all subadult (still too early)

- better, including adult ♂, found by

lifting iceplant (light green, round leaves) -

scrampering from retreats

- ♂ Aptostichus sinuatus wandering on

foredune

MCH 02-198 CA: San Diego Co., ASEP,
dunes ~ 1/2 mi. NE of Hayden Spring
N 320 42.67 W 116° 06.961' E ~ 1600 ft
19 Oct 2002 - collected several ♂
Aptodeschus wandering at night
on dunes, most of N-side,
towards E end of base
- also dug up several ♀♀,
again NE side, towards base,
most around vegetation
- same site as (MCH 02-011)

MCH 02-199 CA: Inyo Co., ~ 3 mi SE Hwy 190
of Farenview Park
(Gosa Range)
Elev ~ 4700 ft. 10-26-02

- *Gedycosa* dug from burrow ~ 10 cm deep,
no turret; sandy soil adjacent to rock

MCH 02-200 CA: Inyo Co., Saline Valley
Road, Grapevine Canyon, S end
of Saline Valley N 36° 33.844'
W 117° 35.482' Elev ~ 4000 ft.
10-26-02

- 1 ♂ several small imm *Hemilongchus* under
rocks along wash on hillside both above
& below wash; *Plesioneurus* & *gryphoides*

MCH 02-201 CA: Inyo Co., DUNP, Hwy 267,
1.5 mi. E Scott's CASTLE N 37° 01.998
W 117° 18.588' Elev ~ 3400 ft.
10-26-02 - ♂ + small imm *Hemilongchus*
VERY SPARSE on rocky hillside
on N side of road in canyon
above castle / *Aphonopelma*
Gnarus common (~ 1/4 mile N of Highway)

MCH 02-202 NV: Nye Co., Hwy 95, Specter Range,
4.3 mi. W of N 36° 35.003' W 116° 12.078' Elev ~ 2800 ft
W/Hwy 160 10-27-02 - ♂ + adult + smaller imm
Hemilongchus under rocks in
wash @ base of small hills (common)
- (imm *Syneilesis* under rocks)

MCH 02-203 CA: Inyo Co., Hwy 178, S end
of Nopah Range, ~ 1/2 mi. E of highway
N 36° 08.220' W 116° 10.127' Elev ~ 2800 ft
10-27-02 - mostly small imm *Hemilongchus*
under rocks in wash / on hillside
in flats leading to Aztec
hills (♂ *Lathrolestes* under rock)

MCH 02-204 CA: Inyo Co., Hwy 127, ~ 13 mi. N
road to Tecopa (N 35° 55.213' W 116° 16.033'
Elev ~ 1400 ft 10-27-02
- *Hibonothus talpoides* ♂ + imm common in
sparse *Dianthus* grass, salt crust along
(rather thin mucky)

MCH 02-205 CA: San Bernardino Co.,
N side Kingston Range, SMITH TALL ROAD
N35°47.794 W115°59.238 Elw ~ 3200
10-27-02
- rocky alluvial fan - small/medium
Hamamelis under rocks

* SAME AS 01-032

MCH 02-206 CA: SAN DIEGO Co., ABDSP,
Indian Gorge, ~ 3 mi. W of Hwy S-2,
just W of TORO Canyon N32°52.111
W 116°14.284 Elw ~ 1150 ft. 11-27 to
11-29-02 coll. McHedin
- broad wash of decomposed granite w/
granite boulder hills & sides - Hyptis,
Hymenocallis, Boraginaceae, Atriplex, A. densa,
Acacia dominant in flats
- most interesting spiders - 2 ♂ Aptostichus
found wandering into 'camp' (towards light)
during heavy rains at night -
none others seen while walking C
night

MCH 02-207 CA: San Diego Co., vic Sycamore
Overlook N32°42.774 W116°13.935
Elw ~ 3980 ft 2 December 2002
- ♀ Hystrix on small rocks
in gravel/sand wash

MCH 02-208 WA: King Co., Rattlesnake Lake,
along Rattlesnake Ledge Trail, S of North
Bend c I-90 N47°26.075 W121°46.329
Elw ~ 1000 ft. 12-30-02 w/ Chris Telbot
- second-growth Douglas fir forest leading up
to volcanic plug? ledge, many large boulders
below ledge - spiders + centipeds found
under rocks / downed logs; Antrodiaetus sp
found in downed log (2 found, 1 collected)

MCH 03-001 CA: San Diego Co., Nate Harrison
Grade Rd., 2.1 mi. E jct w/ Hwy
76 N33°19.619 W116°57.914
Elw ~ 1800 ft. 11 Jan, 03
- N-facing roadbanks in CSS hillside,
just above orange groves - CA Artemisia
dominant plant
- Aptostichus fairly common on lip
of bank, burrows w/ very little
silk - 1 female (adult?) collected

MCH 02-205 CA: San Bernardino Co.,
N side Kingston Range, SMITH TALL ROAD
N35°47.794 W115°59.238 ELEV ~3200
10-27-02
- Vochy zllavil fan - small/medium
Hamelajerus under rocks

* SAME AS 01-032

MCH 02-206 CA: SAN DIEGO Co., ARD SP,
Indian Gorge, ~3 mi. W of Hwy S-2,
just W of Torote Canyon N32°52.111
W 116°14.284 ELEV ~1150 ft. 11-27 to
11-29-02 coll. McHedin
- broad wash of decomposed granite w/
granite boulder hills & sides - Hyptis,
Hymenocleris, Psoralea, Atriplex, A. densa,
Acacia dominant in flats
- most interesting spiders - 2 or 3 Aptostichus
found wandering into camp (towards light?)
during heavy rains at night -
none others seen while walking C
night

MCH 02-207 CA: San Diego Co., Vic Syceton
Overlook N32°42.774 W116°13.935
ELEV ~3980 ft 2 December 2002
- ♀ Hysterocheilus on small rocks
in gravel/sand wash

MCH 02-208 WA: King Co., Reithers Lake,
along Reithers Lake Ledge Trail, S of North
Bend E I-90 N47°26.075' W121°46.329
ELEV ~1000 ft. 12-30-02 w/ Chrs Talbot
- second-growth doug fir forest leading up
to volcanic plug? ledge, many large boulders
below ledge - spiders + tarantulas found
under rocks / downed log; Antrodiaetus ♀♀
found in downed log (2 found, 1 collected)

MCH 03-001 CA: San Diego Co., Nzte Harrison
Grade Rd., 2.1 mi. E jct w/ Hwy
76 N33°19.619 W116°57.914
ELEV ~1800 ft. 11 Jan, 03
- N-facing rockblanks in CSS hillside,
just above orange groves - CA Artemesia
dominant plant
- Aptostichus fairly common on lip
of bank, burrows w/ very little
silk - 1 female (adult?) collected

MCH 03-002 CA: Riverside Co.,
 Rancho California Road, ~ 1.5 mi.
 W Temecula C I-15 intersection
 N 33° 29.834 W 117° 10.173 Elev. ~ 1300 ft.
 1-11-03
 - gravel openings on small chertise-
 chertized ridge just N of highway
 - Hzb ustulatus ♂♀ very common,
 perched on small red rocks

MCH 03-003 CA: Riverside Co.,
 De Luz Murrieta Road, 8.1 mi.
 NE intersection DLM / De Luz road
 N 33° 30.505 W 117° 13.866 Elev. ~ 1300 ft.
 11 Jan, 03 - very low N-facing
 roadcut, opposite small road side
 riparian area; imm? Atractopus
 (probably Al. plutonis) from
 burrow in bank below large
 oak tree - no others found

MCH 03-004 CA: Riverside Co., DLM road,
 6.8 mi. NE int DLM / DL roads
 N 33° 29.739 W 117° 14.603
 Elev. ~ 1200 ft. 11 Jan, 03 - large
 ♀ Aptostichus from N-facing bank
 just E of creek crossing - other
 burrows found, not collected

MCH 03-005 CA: Los Angeles Co., Eaton
 Canyon, Altadena, off Altadena Dr /
 Roosevelt N 34° 11.189 W 118° 06.104
 Elev. ~ 1200 ft. 1-17-03 - working N-facing canyon
 just opposite parking lot, E side of cyn;
 found subadult Atractopus (gulosus??) w/
 Hebesia? * TAKE ALLOW ROAD OFF I-210*
 MCH 03-006 CA: Los Angeles Co., ~ 1/2 mi. W of I-5 C
 Frazier Park EXIT S of Flujas J parking
 lot N 34° 48.945 W 118° 53.381
 Elev. ~ 3900 ft 1-17-03
 - Artemisia / Chrysothamnus field w/ N-facing
 hills below plateau - live oaks in ravines
 on hills > collected 1 ♀, 2 imm
Atractopus below root weds of oak
 in tight ravine
 MCH 03-007 CA: Orange Co., W of Laguna
 Beach on Laguna Cyn Road, end of
 Canyon Acres Drive N 33° 33.177
 W 117° 46.670 Elev. ~ 1000 ft. 1 Feb, 2003
 - css canyon, sandy soils
 - Hebesia? common, but small
 ♀♀ cyt w/ spike (ings), paper-like
 silk (Apomastus)

(MCH 03-008) CA: Riverside Co., Hwy 371,
E Anza - 3 miles, north of Hamilton Gulch
N 33° 33.793 W 116° 37.592 Elevation 4200'
2 Feb, 03 coll. C. Johnson, P. Peguin,
M. Reinbold, R. Keith (*same as 00-018)
- *H. ustulatus* ♂, few ♀♀ on
small rocks in white granite
wash

(MCH 03-009) CA: Riverside Co., just Hgys 243
& 74, Mt. Center, on Hwy 74 just W of jct
N 33° 42.282' W 116° 43.540' Elevation
4400 ft. 2 Feb, 03
- working hillside above (S) of
road, montane chaparral - found
small dark *Aptostichus*, but no
Alizapus - very thin silk
lining to burrows

(MCH 03-010) CA: Riverside Co., just Hgys 243,
5.5 mi. S Bannings (8531), N 33° 53.457'
W 116° 51.740', Elevation ~ 3400 ft. 2 Feb, 03
- single imm *Alizapus* on slightly
stabilized bare sunny beneath chamise/
Arctostaphylos on E-facing slope of
S-trending ravine, W of highway.

(MCH 03-011) CA: San Diego Co., McCain
Valley, ~ 1/4 mi S Sebastian Overlook
N 32° 42.772 W 116° 13.940 Elevation ~ 4000 ft
8 Feb, 2003 *same as 02-207
- adult ♂ & ♀ *Hustulatus* on small
rocks in sand/gravel wash
leading SE towards canyon -
mostly white wash background

(MCH 03-012) CA: San Diego Co., N end of Imperial
Beach, vic YMCA Camp N 32° 36'
W 117.08 Elevation ~ sea level 9 Feb, 03
- spiders collected from teplant - shaken
into sand - including Hust (♂ old, ♀s
few), *Hschlingia*, *Helegans*, *Dendryphantes*,
Lutica ♀ - various hexapods also taken

(MCH 03-013) CA: - site as above
- more *Lutica* (immature) / large lycosid w/
egg sac

(MCH 03-014) CA: JD Co., ABDSP, Mt. Palomar
Spring Area N 32° 51.754' W 116° 13.133
Elevation ~ 300 m 15 Feb, 2003
- meloids on Eucalypt flowers; *H. bellini* in *Distichlis*
near big palm grove; agoutis (*Odontotis* / *colaptes*)
in small pool & large grove

(MCH 03-015) CA: San Diego Co., Carrizo Wash, ~1/2 mi. SW of Hwy S-2, ABDSP Elev ~250 m 16 Feb, 2003
- flying stuff flowering Heptis

(MCH 03-016) CA: SD Co., ABDSP, Carrizo Creek, SW of Hwy S2, N32°47.606 W 116°12.627 Elev ~950 ft. 22 Feb, 2003 w/ D. Wood, D. Palmer
- sandy / gravel wash Pteris fl. zinnias, Hymenoclea, Chilopsis, Mesquite, + rocky hillside - adult Erylonus wandering, ♂ corinnid? ♀ tetradactylus, ♂ gryllid

(MCH 03-017) CA: San Diego, ABDSP, Carrizo Plains, below railroad line N32°46.139 N116°11.150 Elev ~1800 ft w/ M. Reinbold, D. Wood, D. Palmer 23 Feb, 03
- elaid berries on blooming Tenocercus, subadult Homalonyx under rocks, Xyleopa common near palms, imm Selenops under rocks

(MCH 03-018) CA: Riverside Co., Santa Margarita Ecological Reserve, vic Northside facilities 9 March, 03
- Helegans on stuff (litter) near river. Various spiders better from veg; ♂ Oods 2T night near buildings

(MCH 03-019) CA: Imperial Co., San Sebastian Marsh NA (San Felipe Creek) N33°06 W115°53/54 Elev ~-800 feet 22 March, 2003 w/ J. Starnett, D. Palmer, I. Bellard, R. Keith, M. Reinbold
- parked off of Hwy 78, in S-tending wash w/ large Tambrisk. Creek ~1/2 mile to south, much more aquatic veg to west than downstream
- Spider highlights are adult ♂♀ H. trisialis, all in sparse Distichis

Same @ 00-167

(MCH 03-020) CA: Kern Co., ~1 mi E just w/ Hwy 14, on Rudisburg / 5 Bar Road N35°18.873 W 117°58.268 Elev ~2100 ft 29 March, 03 - creosote + Astragalus + Hymenoclea sandy wash -> Sisymbrium, Thuidium, Polypodium + +

MCH 03-021 CA: Kern Co., Hwy 178, just W of Walker Pass (~100 yds W) (6677)
 N35°39'00" W 118°01'00" E elev ~5300 ft.
 3-29-03 - shallow N-facing bowl on S side of Hwy, pingy + Artemisia in soft, sandy soil
 - found several Aptostichus in varying slopes, shaded situations, but not too secluded (A. jonesi)

- Jim found huge A. jonesi on shallow ground, base of Artemisia, deep burrow - 1 other subadult found

MCH 03-022 CA: Kern Co., ~2 mi W of Lake Isabella Dam: Keyesville Rec Area (35-6358) (0834988)
 N35°37'99" W 118°29'58" E elev ~2500 ft.
 3-29-03

- working in digger pine + oak mixed forest, lots of granite boulders, granitic soils
 - Palpures commun @ night on surface + under staff, ♀♀ Pleocentrus rufescens commun under staff (Hibemor?)

- several A. jonesi Thompsoni imm? on S-facing slope, on shaded side of large granite boulders, stabilized ground, deep burrows in hard ground - steeping slopes; dunes found

MCH 03-023 CA: Kern Co., ~1/4 mi N just Hwy 155/178, ~1/2 mi below L. Isabella
 Aux dam N35°37'91" W 118°28'67" E elev ~2550 ft. 3-30-03
 - riparian edge - H. tarsalis ♂♀ in sparse grass

MCH 03-024 CA: Kern Co., Hwy 155, 0.5 mi E of Greenham Summit N35°44'17" W 118°33'11" (7353) (5518)
 Elev ~6000 ft. 3-30-03
 - A. jonesi very common on N side of road, shallow banks / slopes towards river, spiders fairly shallow - yellow pine / cedar forest w/ rocks

MCH 03-025 CA: Kern Co., Hwy 155, 0.4 mi E of Glennville N35°43'30" W 118°41'67" (35705) (1186946)
 Elev ~3200 ft. 3-30-03

- small-bodied A. jonesi on vertical banks on N-facing side of road, fairly exposed - spiders fairly common, despite mossy canopy - v. chunky on adjacent oak woodlands

MCH 03.026 CA: Fresno Co., Hwy 245, N of
 Pinehurst, 2.5 mi. S just w/ Hwy 180
 N36°42.366 W118°59.884 Elevation ~ 4900 ft.
 3-30-03 - mixed pine / madrone woodland
 - walking steep roadside banks for
Atlatypus - very common, 10-20 burrows on
 same bank face; very little silk

MCH 03.027 CA: Fresno Co., Hwy 180, 0.3 mi
 E just w/ Hwy 63 N36°43.877
 W119°16.851 Elevation ~ 1600 ft.
 - roadside banks, oak woodland above
 - deep burrows, very little silk
A. jenuis

MCH 03.028 CA: Mendocino Co., Hwy 49
 just N of Nipisnuwsee (74102),
 W119°43.932 Elevation ~ 3200 ft.
 31 March, 03
 - roadside, fairly steep slopes
 OPEN - 2 ♀♀ *Atlatypus* from banks

MCH 03.029 CA: Mariposa Co., Hwy 140, along
 Merced River, w of El Portal
 N37°37.947 W119°56.176 Elevation ~ 1300
 31 March, 03 - # *Atlatypus* from shaded
 slope

MCH 03.030 CA: Mariposa Co., Hwy 140
 along Merced River, 3.8 mi. W of El Portal
 N37°39.703 W119°52.516 Elevation ~ 500 ft
 31 March, 03
 - collecting *Hesperomys* - found *Hesperomys* on
 open sandy area w/ sparse grass, also
Hesperomys, *Hesperomys*, *Hesperomys* (very
 common in subadults)

MCH 03.031 CA: Mariposa Co., Hwy 140,
 Yosemite NP, 1.9 mi. W just w/ Hwy 41/120
 N37°43.276 W119°42.910 Elevation ~ 3600 ft
 3-31-03 - flats along Merced Gorge, with pine
 forest
 - *Atlatypus* unusual here, on perfectly flat
 ground; short burrows, no silk, turning
 abruptly ~ 90° E 1-2 inches deep

MCH 03.032 CA: Mariposa Co., Yosemite NP,
 1 mi. S Tuolumne Grove N37°45.492
 W119°43.309 Elevation ~ 6300 ft 3-31-03
 width .4 ft Burrows 15
 ① .4 .5
 ② .9 .5 19.5
 ③ .8 .5 22
 ④ .8 .5 15
Atlatypus
vivax
meridionalis

- white shino

- blue monkey

- baboon

- Gillette

- impala

- greater kudu

- puff adder

- batfish

- zebra

- eland

- hartebeest

- large-spotted gnu

- springhare

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