

MEXICO: VERACRUZ: SAN ANDRES TUXTLAS MTS TRIP:  
2 Jan 1977 -  
18 students, 4 T.A.s, John Bickham, MARY & Toby

2 Jan 1977 College Station - 10mi N. Rio Carrizal, Tamaulipas;  
LEFT at 3:10am; arr Brownsville 11:20am; LEFT Matamoros  
1:10pm; arrived camp site 5:20pm.

3 Jan 1977 ca. Rio Carrizal, Tam. - beach at Tecolutla, Veracruz  
LEFT camp 8am; arr. beach 8pm; some car problems.

4 Jan. 1977. Tecolutla, Ver. - Estacion Biologica de los Tuxtles  
LEFT camp Tam; arr. station 5:30pm; more trouble with cars,  
radiador hose; muffler pipe; universal joint in my truck is  
going out. Do not know if I can make it home.  
Interesting + very tiring trip!! Lost John + Carryll  
in Tampico for two hours; Found them at Ferry ramp  
on 180; Lost whole convoy in Veracruz for 2 1/2 hrs, as  
we went to bank + then couldn't find their route to  
edge of town. Finally found them in gas station at  
2-3 miles out of town; on 180. Never do that again,  
always make them stay where they are when you are  
going somewhere for food, money or repair.

Checked in with Station Personnel; only two guards  
there on arrival; Alberto + Angel; Later Prof. Gonzalo  
Perez Higuera, resident herpetologist gave me the  
price (408<sup>00</sup> am.) for 26 of us for 8 days. also said  
hopping was bad this time of year; his principal interest  
is snakes, after setting up camp; some (Panton + Nellman)  
saw a caecilian in a stream bed; but missed it as it  
dove into water + hid under rocks. Saw + captured  
Anolis barkeri, Anolis humilis + Anolis sericeus; also  
Plethrodactylus rufulosus (common) w/ many color phases;  
Sceloporus teapensis; Basiliscus vittatus; Ameiva undulata;  
I helped run bat net + generally looked at site  
this pm.

Persons to contact for permission to use Biological  
station in San Andres Tuxtla Mts., are

Dr Carlos Márquez (Dir., Inst. Biol.)

M. EN. C. Antonio Martínez (Secretaro Académica)

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Refugio Cedillo (Administrator of Est. Biol.)

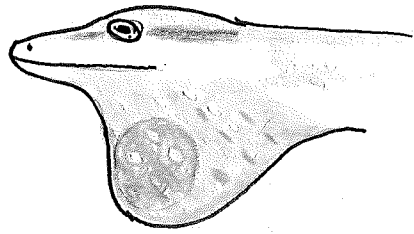
Gonzalo Perez Higuera (Herp., biol. station)

5 Jan. 1977 Estación Biológica de Las Tuxtlas, Veracruz, Mexico

Up at 5:30am; breakfast; divided up students into teams; John led mammal + Chromosome team in search for trapping + netting sites; I led team to trail to right of road past station towards Monte Pio; found + marked Anolis barkeri on rocks in small stream; Anolis humilis on ground or brush near stream; + found Anolis sericeus very common along road in open sunlight situations where vegetation is moderately dense along ditches + road cuts. Between 10:45 + 11:30am; we were able to take approx. 20 temps. of various lizards, i.e.; Basiliscus, Anolis, Sceloporus + Ameiva. At 12:30; + crews worked on chromosomes of rice rats; my crew attempted to mark lizards (1) below morning site; + I worked with Gonzalo on his station collection, + his identification of frogs, lizards + snakes. Supper at 6:15pm; coffee w/ Gonzalo + wife; + then walked stream for mark/release/temp. studies; caught 16 E. rufosus for temps; 4 Anolis barkeri, on or near running H<sub>2</sub>O; 3 inside stone/cement bridge under road: 2♂, 2♀; saw A. sericeus near Lab, but in Bigonia plants on hillside + couldn't reach it; also found large ♂ Anolis punctatus petersi on elephant ear leaf; 2.4 ft. above ground; near entrance of station (in clearing) seems to be some habitat segregation in Anolis, but some so rare so far as to confuse the issue; All four species seen can be separated on dewlap color [SEE REVERSE SIDE] Vegetation typically selva where it has not been cut; Balsa, Cycropia in secondary growths; Thorn palm; trailing palm; Fig; Ceciba, in primary forests; tired tonight! in bed by 11pm.

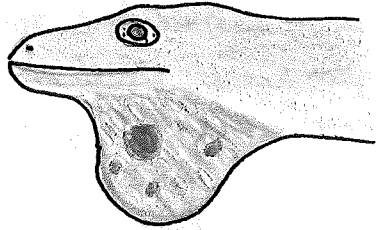
1/5/11 - 33.5 km NW Catemaco, Veracruz, Mex

*A. sericeus*



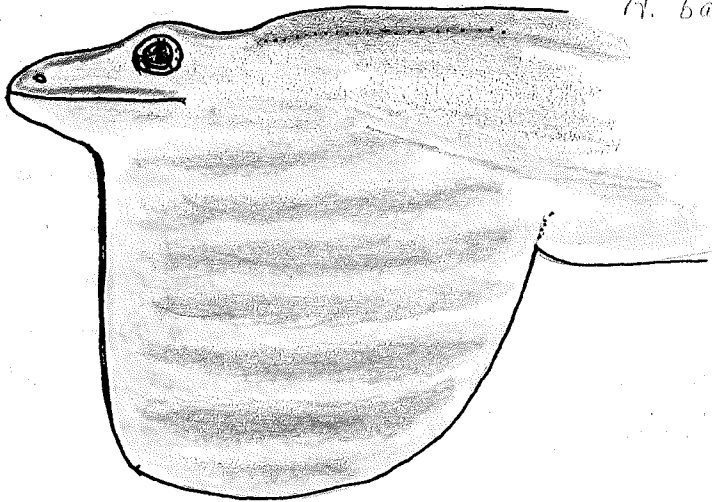
*A. sericeus* ♂

*A. humilis*



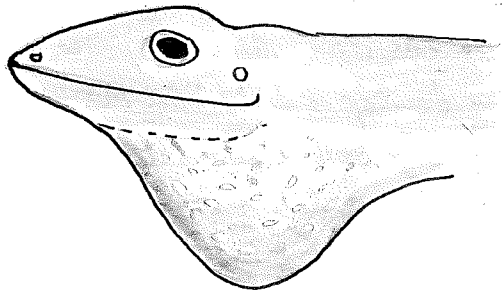
*A. humilis* ♂

*A. barkeri*



*A. barkeri* ♂

*A. petersi*



*A. biporcatus* ♂

6 Jan 1977 Estacion Biologica de las Tuxtlas, Veracruz, Mexico.

Mammal crew ran bat nets all night; picked up 23 specimens of 11 species; [Pteronotus dauxyi; Artebius toltecus, A. phaeotis, Mormoops megalophylla, Saccopteryx bilineatus, Phyllostomus discolor, Carollia spp., Sturnira lilium, S. ludovici; Centurio senex; Desmodus rotundus; Diphylla ecaudata?]. Also caught 66 mice in 200 traps; Sigmodon = 40 $\pm$ ; Onychomys, Peromyscus, Uromys; Spent morning retracing steps thru paths taken yesterday for Anoles + Sceloporus; material taken included Bothrops asper, Adelphicos quadrivittatus, Lepidophyma 2 spp.?; E. rugulosus, A. humilis, A. sericeus, A. garckeri; S. teapensis, Ameiva undulata. Crew in night marked total of 24 E. rugulosus with assoc. temperatures. The three Anolis garckeri marked under bridge were found very close to same place seen night before; frog temp. slightly higher this night as compared to night before when sky was clear + temp. brisk; overcast + humid this night. A total of herps collected this date w/ many marked + released for Lincoln Index estimates, marks too wet to mark capture spot; so no movement data possible. Weather clear until 4pm; fog + clouds moved in; heavy overcast til midnight, clear until 4am; rain showers til 7:30am; who knows what comes next. Gave snake (Adelphicos) to Gonzalo Perez for his collection. Species of bats coll. this early morning included Pteronotis parnellii?; Artebius litchurdi, Glossophaga, Chiroderma isthmicum.

7 Jan. 1977 Estacion de las Tortugas Veracruz, Mexico, 150m:

Rained in early morning, things cooled off considerably, very cloudy + wind blew most of morning; group of students led to selva above creek above station (W) and found one frog; retraced path to clearing on trail, + then walked 1.5 mi to Balzapote (N on road) collecting along roadside; found 1 S. teapensis; retraced walk to station, turning loops in pastures next to road; found 1 Oxybelis sebae, 5 Ninia sebae, 1 Ninia diademata; 1 Saccopteryx bilineatus under bridge. Returned to station by 12:45 pm; Lunch; took group south towards Sontecamapan; approx. 1.2 mi, saw nothing; Ornithologist from NC Univ. of Michigan on roadside w/wife (NICK + MABEL CYTHBERT) didn't catch the name; later, a crew from USL showed up; Cris Ko Fran driving, Darryl Felder, Prof.; invertebrate person; wants us to pick up some crabs for him; they showed us their herps from Yucatan + Campeche; not too bad for winter coll.; returned to camp; had supper + ran Jack's Frog Line; 6 Frogs, none marked; also temps on Frogs + 3 A. barleri under bridge; measured distances from previous night's marks on bridge wall. John Bickham, sites, Grossman, + 3 others drove to Monte Pio to river to set turtle traps + 60 shermans + 60 traps, will return after midnight. When I returned to camp; Mary on road saying Military (5 persons w/ rifles, pistols) invaded dorm + she needed help; I told Gonzalez + he went + conferred.. Ruales; looking for Laguna Escondida where Gaudits have been robbing stores + persons along trail; They spent night near Lab + will go to Laguna in morning; we gave them coffee. Showered + in bed by 11 pm.

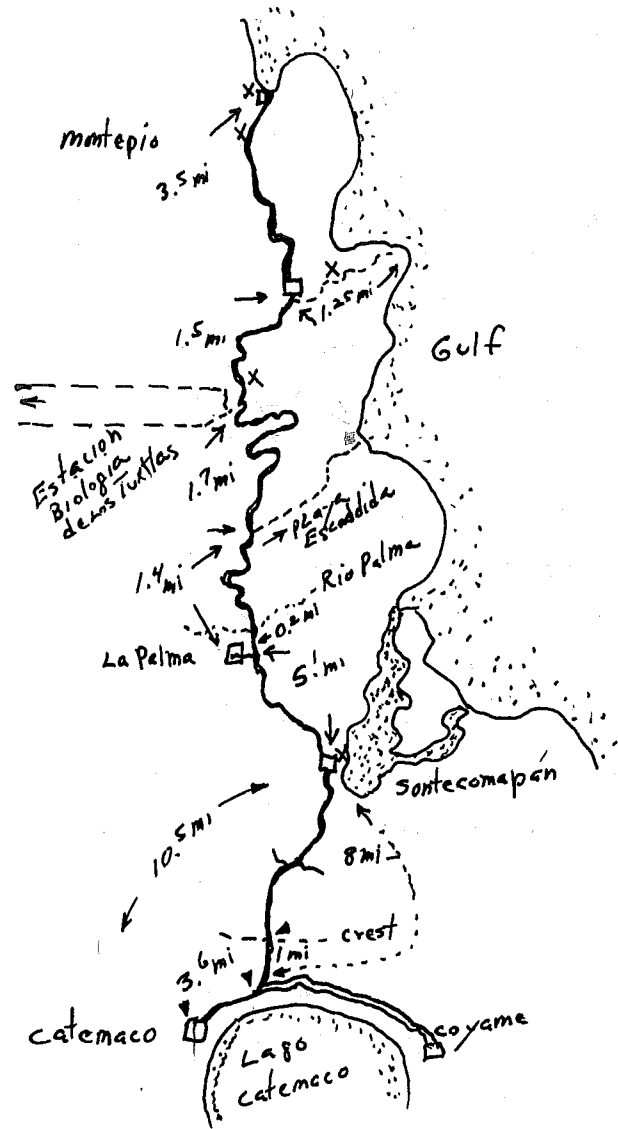
*Anolis barkeri* in bridge tunnel

19



→ Flow

*Anolis barkeri* in bridge tunnel are all on right wall on upstream side.



8 Jan. 1977 Estacion Biologica de las Tuxtlas 150m; Veracruz, Mexico  
 Up early, sent herp crew over south road to Playa Escondida turnoff to search for logs in fields, others skinned + chromosomed; Duke, Glenn, Mary + Toby went with me to Catemaco to buy bread, fruit, film, + rope for bat nets; takes 45 min to drive 18.7 mi to Catemaco; returned at 11:30am; Duke + Glenn set gopher traps on roadside but collected none. I took crew to beach (Monte Pio; 23.7 mi NNE Catemaco; 5.2 mi N. Station); + saw Ameiva, Sceloporus + Ctenosaura. Returned to Station by 3:15pm; Bickham took crew to log bridge site just east of Balzapote, to set turtle traps, nets + rat traps. I understand he did well on bats, about 50 ±. At 6:45pm, I took crew to Okla's stream + ran Frog transect; 7 were seen but not captured, 31 were captured, of which 1 was a re-capture<sup>#</sup> (12). Collected one Anolis barbari (juv); + temperatures on all Frogs. returned to camp at 8:45pm, Crew collected a few Sceloporus + Ninia on Playa Escondida.

9 Jan. 1977 Estacion Biologica de las Tuxtlas 150m; Veracruz, Mex.  
 Up early, crew caught 50+ bats in nets near Balzapote; others caught 29 bats in study stream + pasture site = Artibeus, Carollia, Chiroderma, Saccopteryx Mormoops; nothing after midnight; drove to Montecampan for collecting, walked to shore of Estero thru pasture, marsh last 50m; surrounded by Mangrove; large sp; retraced steps + worked hillsides back to station (under logs); Mastigodryas, Ninia sebace, S. teapensis, 6 Synophis leprus; nothing in pm; nothing at night on transect; 1 new frog; on Teles, + found a new



9 Jan 1977 (Cont.) Anolis barkeri ♀ under bridge; marked & released, measured distances from last night's perch; Found two marked ♀♀ + 1 marked juvenile; Okla's crew marked an additional 24 E. rupulosus + 2 recaptures. Found a Hyla cf. staufferi on plant; one on or near bat net. I found a beautiful, large ♀ Anolis petersi on plant leaf about 6 ft from ground; specimen was bright lime green; no temp; now alive & hope to maintain it to Texas. Bat crew found 17 bats tonight in local set; Bickham's crew caught 1 Gopher, 3 Sigmodon, + Bats.

10 Jan. 1977 Estacion Biologia de los Tuxtlas, Veracruz, 1500m; Mexico.  
 Up at 7; rained most of night, & raining all day; crew put up skins in morning, I was challenged to put up bat in 10 min; took me 10.37; Rest of crew went to beach at Mantepio, while we stayed in station still raining at 3pm. - squirted oil on central U joint for return trip, may do again tomorrow; rained all day and all night, bat netting very slow; tried to run stream transect, but rain ruined it all, only 2 Frogs seen; A. barkeri under bridge was only 1 juvenile, rest were not seen. Most of crew put up mammals or ran bat nets; Karzotyping crew ran out of slides, rest of material must be maintained alive for return trip to us. I talked with Gonzalo, & there does not appear to be a problem in our leaving specimens here to go to Mexico City, to University (Jaime Villa); Only one person sick so far (Ron Childers), everyone seems in good spirits. Make our run on Veracruz on the morning of the 12th. Paid Bill \$436<sup>00</sup>

11 Jan 1977 Estación Biológica de las Tuxtles, Veracruz, 1500m, Mex.

160<sup>00</sup> gas/Tolls to Catemaco

El,

$$\frac{5}{9} \times \frac{64}{1} = \frac{320}{9}$$

$$\begin{array}{r} 3 \\ 320 \\ \underline{27} \\ 50 \end{array}$$

Bryan, B.P	29.65	7:25am	6/17/76	
Caldwell	29.55	4:40	6/18/76	402
Bastrop	29.42	9:34	6/18/76	374
San Marcos	29.16	6:19	6/18/76	581
New Bradefels	29.1	6:34	6/18/76	675 (720 con. net)
San Antonio	29.2	7:06	6/18/76	600
Pearnsall	<del>29.18</del>	7:26	6/18/76	650
Catulla	29.31	8:57	6/18/76	500 (446)

MEXICO TRIP - 2-15 Jan 1977

MEAT	-	40.00	
Lumber	-	14.00	
CAMP FUEL	-	11.00	13.54
BREADS	-	10.73	
ICE	-	2.60	(No receipt)
Mantles	-	8.13	86.46

13.00 Bride at Barber

	520P	\$26.00	MEX - GAS
	554P	\$27.70	" "
TO	803P	\$40.15	" "
STATION	20P	\$1.00	Toll Tampico
	35P	\$1.65	Toll Tuxpan
	300P	15.00	Camp (Terolotla)
	65P	5.25	Tolls
	600P	30.00	GAS
	547P	27.35	\$154.00 GAS