

19 June Bryan, Texas to San Jose, Costa Rica 19 June 2001.

Usual uptime, final packing, + gas-up the vehicle for trip to Bush Intl. Airport in Houston. Lunch at home; on road to Houston by 1pm. arrive parking (Economy) by 2:45; in airport by 3:10; Plane (Continental) to Leave via D-10 @ 5:30 pm.

Plane 45 min late in leaving, but arrived in San Jose 8:25 local time, Joe McKinny, Laura Richards, + David Laurencio met us. (David's Mom Dalia also). We waited for Luggage, did not make the Plane in Houston (had plenty of time 2.5 hrs); so we are supposed to have it delivered to Dalia's house by 1pm tomorrow. we rode to Dalia's house in her car, + David, Joe + Laura came in chev. Tracker that he rented (1800⁰⁰, 2mo). Had late supper with Dalia, her sis, two nices, + husband. In bed by 11³⁰pm.

20 June San Jose, Costa Rica 20 June 2001.

Up at 6am; showered, ate slow breakfast; Mary, Laura, David + Joe + I went to Farmacia, bank; + UCR museum. Met Federico Balanos (herp curator) + we talked most of morning. also Jose Moron came down after class + we spoke briefly - he had many meetings. We went back to Dalia's for lunch; Left again at 1:30pm; + went to MINE for permits; changed rules, so we had photos made, paid 30⁰⁰ and got our permits to work in Parks. Finished about 4pm; went to Serpentarium, but owner was out with Bill Lamar! Left note for Bill, + we went to book store + found 2001 Book on Costa Rican herps (28⁰⁰). Back to house by 5:30pm; Laura, Joe + David took off for Soccer Game between CR + Jamaica. Probably will be back about midnight!

21 June

San Jose to Santa Rosa, + 280km 21 June 2001

Up at 5:40am, helped Dalia with breakfast, wake up Laura, David + Joe at 7:20 am; started raining around 8am; we packed vehicle in rain; + I was fairly wet when we finished about 9:30am. Dalia dried my shirt in dryer. Left at 9:45 am; took until 10:20 to get to airport + beyond. We took Hwy 1 to Punta Arenas, then north to Liberia, +

* Santa Rosa; saw 1 dor B. atror + 1 Dor B. constructor on route (B.c. at km 169 marker). Stopped in Liberia for gasoline, a few groceries + syringes. Made it to the Hdq. of Santa Rosa Minca by 4:45 pm. Spoke briefly with Dan Janzen; + Dan Brooks. Brooks student took us to their room (8 bunks) + we will spend night there.

Supper \$50@ at Lancharia; + the Brooks showed us his list of herps he has collected for parasites. I went to dorm room at 6:45 pm; + found a few herps; then our crew walked road from 7:30 to 8:30 (Mary + I) and

* I found the following. + David + Joe

<u>Phrynosoma venulosum</u> 3	<u>Bufo Luetkeni</u> 3
<u>Hypopachus variolosus</u> 2	<u>Hemidactylus frenatus</u> 2
<u>Physalaemus pustulosus</u> 1	<u>Oryzalis aeneus</u> (DOR) 1
<u>Bufo marinus</u> 2	<u>Coniophanes piceivittatus</u> 1
<u>Ctenosaura similis</u> ju 1	

Mary and I showered at 8:40 pm; now ending notes at I also photographed P. venulosus (2s) + B. Luetkeni (2s) on veranda of dorm with F60 + Flash + ASA 400 Kodachrome. Made two cycles around dorm; C-1 = 10 H. frenatus; C-2 = 7 H. frenatus + 1 P. venulosus; only observed, no captures.

22 June Santa Rosa NP Hqs. - [Albergue Rustico Rincon Viejo] 22 June 2001

Up at 5:30am; Break Fast 6:30am; Lu. 8:30am; slight delay; For D. Janzen; Lost vehicle keys (ours) for ± 30min. In pocket of David? photo of Coniophanes piceivittatus Coseo, Flast, 1964. on porch. Left 8:47am; stopped just past Rio Tempequito on slope + Janzen gave spec on area - Ancient Lake Nicaragua basin; stopped at San Gerardo Guisano station of Janzen's; small Lake in back with rain forest; Found Bothriechis schlegelii juv; plus 2 Rana ^{vallanti} ~~vallanti~~ oxylophus ~~oxylophus~~; Drove on to Das Rios, then 5.6 km further S. to Cabens where we stay until next move. We ate here and drove on to Rio Negro (Bridge incomplete) + backtracked 1.5 km, then 1 km SSE thro palm plantation, hitting the Rio Negro again. Here we found Norops ^{oxylophus} aquaticus (3), Norops capito (6), Norops cf. pschypus (1); Leptophis depressirostris (1) and small Bufo ^{valliceps} sp. returned to the albergue

For supper. The Anoles were on small tree in opening. 7' 4' above ground, aquaticus on incomplete bridge or nearby, water; N. capito in leaf litter of dark forest. The Bothriochis asper was in dense forest litter by road. River by camp is Rio Caloste, + smaller one this side is Rio Achjuola. Mary + I walked to large rain pool + saw tadpoles in it.

Supper at 6:30pm; then frog time; returned 9pm; found:

- | | |
|---|--|
| 2 <u>Bufo</u> <u>marinus</u> | 1 <u>Eleutherodactylus</u> <u>Fitzingeri</u> |
| 3 <u>Scinax</u> <u>boulengeri</u> | 1 <u>Eleutherodactylus</u> <u>diastema</u> |
| 5 <u>Scinax</u> <u>elaeochroa</u> | 1 <u>Bufo</u> <u>valliceps</u> |
| 2 <u>Smilisca</u> <u>puma</u> | 1 <u>Norops</u> <u>pschypus</u> |
| 6 <u>Smilisca</u> ^{gambelii} gambelii | 1 <u>Norops</u> <u>oxylophus</u> |
| 8 <u>Rana</u> <u>unbeschewitschi</u> | 1 <u>Basiliscus</u> <u>plumifrons</u> ♀ |
| 1 <u>Rana</u> "pipiens" group | |
| 1 <u>Rana</u> <u>vallanti</u> | |

23 June

Alberque Rincon Viejo, 300m E Rio Celeste, 23 June 2001

$\frac{1}{3}$ E of above site, is the Rio Negro, where parasitologist is collecting birds. They brought in a Dendrobates pumilio, Bufo melanochlorus + B. marinus. The next house W of the alberque is a "zoo". They gave us the two color phases of Bothriechis schlegelii (green + yellow) + a very sick Crotalus durissus from Guanacaste; Filidelfia area. They will also let us collect Smilisca on their property. We walked to neighbor's house + bled two Chelydra serpentina + put them back in pond. Joe got in pond + caught Caiman, + I took his picture! He was very proud to have accomplished this. We walked to west side of river to check water hyacinth pond. Began raining, so waited under Guanacaste tree until it let up, back by 4:45 pm. Will check neighbor's house for S. bairdii tonight. Ate at 6:30 pm, out on road by 7:45 pm; Joe + I walked to neighbor's land + checked it for 2 hrs; found 4 Smilisca bairdii on ground in grass (short) calling, the concrete fish tank contained 12 + Rana vaillanti; I only took 4; the streams (ditches) in yard + farm yielded 9 Rana taylori (juvies); also 6 Bufo "valliceps" ^{releas. am}. Agalychnis sp called from trees, but could not find any. Across road, Bufo marinus, Rana wasschevitcheshi, Rana taylori, Scinax elaeochroa, Scinax boulengeri were present; the marinus elaeochroa + boulengeri calling. Brought specimens to alberque + to bed by 10 pm. Laura, David, Robert, + Jeremial collected around alberque, + found Corytophanes cristatus, Nonyx ^{liparichus} ~~capito~~, Sibon melulata, ³Hyla ebracatta, ¹Hyla microcephala, ²Agalychnis callidryas, Smilisca puma, Scinax elaeochroa; they witnessed combat between σ^7 H. ebracatta, we saw 3 σ^7 S. elaeochroa at same height 60cm; in bush with 3 grass branches, one on each branch + seen Leve, also 2 pr in amplexus in another bush + grass.

24 June Alberque Rincon Viejo, CR. 24 June 2001.

5:30am; up + working on notes; breakfast at 6:40am; egg-tomato, Rice-beans, cheese, coffee. Rained from 11pm to 8am, 29.5mm; stopped at 9:20, took walk with Laura, David, Joe, + Mary, to grassy wet spot where they found H. microcephala + H. ebracata. Checked leaves for eggs; found 3 Nests Laid 1-2 days ago? Hatching, remaining tad in nests were 31, 27, + 55. Fresh eggs on leaves numbered 71, 50, 96, 66, + two masses were separated into two batches; 86 + 9, + 68 + 12; the letter had ~~15~~ on one side of leaf + 12 on opposite side. David guessed that these are H. ebracata. made trail to the E., got lost; + finally turned south + came out on road, two houses from Alberque. Got very soaked from rain. Lunch at 12:30pm, stayed around + worked with Dan Brooks; Laura, David + Joe rode with Jeremiah to Rio Negro to pick up nets + help some. Mary + I went out at 5:30pm, on road between the Rio Azul (Celeste) + Rio Chajuele. Found an Ameiva fastiva ju under board. Ate supper 6:40 - 7:20pm; Laura + I walked to Rio Azul + I caught 3 Norops oxylophus on west bridge abutment. Then walked up road to south between rivers + found 1 Eleutherodactylus diastema on gate post at SE cut up post. The anoles were ± 4' up wall of abutment. Returned to camp at 8:30, + on way found Ad Norops biporcatus on small bush about 4' cut up. No Bufo marinus or S. bowlingi calling. Windy nite. Heard a few S. Boulengeri. at 5:30 + 8:30pm. - Now 8:50pm + rain starts again. Hope it will not interfere with trip to Rio Negro tomorrow.

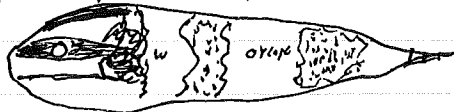
25 June Alberque Rincon Viejo, ca 25 June 2001

Up at 6:30 am; breakfast, Dan Brooks left for day. We left 8:30 am for Rio Negro; mileage from Alberque - 2.7 to Buenos Aires, 3.1 to pond, + 4.6 to Rio Negro. I saw a gophertail in the leaf litter; 4 Novops oxylophus, 5 Novops humilis, 1 Corytophanes cristatus; 1 Sibon nebulata; 1 Bufo haemidius 2 Bufo valliceps - taken by entire crew of Mary, Laura, David, Joe & I - Back to Alberque by 11:50 am; Lunch by 12:30 pm. Sun came out briefly at noon. Prepared herps (wts, lengths, tss) after lunch so the paraxonomists (ER) could earn their keep. We are supposed to go to thermal springs this afternoon, but haven't done it yet. I took Mary to Rio Chajuela to show her small Falls; poked around the stream but saw nothing. Things are slowing down a bit, + Wednesday, the paraxonomists leave for Santa Rosa + some for home. The five of us will then be on our own to survey the west side. I photod the dewlaps of Novops limitans, Novops oxylophus, and Novops humilis. I made one photo of trees with flowers + red stuff at Rio Negro. Also flicks of Mary at table drinking coffee. Joe came from Rio Azul area + had B. valliceps + D. pumilio; Dan Brooks + crew came in with D. pumilio + Thracidactylus repachalis. We are now up to 33 species for NE side of Cordillera Tilavani; + if we include local stuff at Neighbors house (B. resubus, B. constrictus + B. aphyomegas, brings it to 36 species. Went out at 7:30; heavy rain, came back, Joe + David stayed; brought in 3 Nyctellogadus (photos at 30/60/125 with flash) 1 Urotheca euryzona photos (30/60/125) 2 Kinisterna ^{leucostomum} ~~cruentum~~; egg masses + tadpoles eating eggs; 1 E. diastoma. Brooks crew brought in 2 R. waschewitschii, + 1 S. elaeochroa (this one relocated). * [2nd roll film took 6 shots of N. loguei without flash]

26 June

Albergue Rincon Viejo, Alajuela, CR; 26 June 2001.

Up at 6:30am; eggs, rice + bean Breakfast; worked on herps most of morning. I.D. the frogs + snake + putting up turtles, + stuff still alive from yesterday. We will leave in morning to meet Janzen at turn off to Cerro Cacao station. Current plan is to visit it for one day + then stay at San Gerardo station. The Rana eggs + assoc. tadpoles in egg mass are two different forms. tadpoles have banded tails; Two black bands separated by orange red band, tail tip pointed, body mostly black, but top of head white on each side with black stripe on top + above eyes and thru them. Body white below:



Crew at River Chasing spilotes, missed it, fell in river, lost hook. on way back, found hatchling Micrurus alleni? 21 + 7 black bands, 15-15-15, A=D; Paracels mostly white 228 \pm V+C. Neighbors brought in Micrurus nigrocinctus from yard. We travel to Palm plantation 2.3 km S. of Buenos Aires; \pm 600m; found 2 Ameiva festiva (Blue throat) + Ameiva undulata (orange throat) in Palms. Walked through forest to water Falls; + found zilch; nothing in forest but ants + spiders. This is the north slope of Volcan Rincon. When crew returned from Albergue Rincon Viejo (the other) they had found a Norops capite ♀ on forest floor + a Basiliscus plumifrons in a field eating insects. Joe had found a Norops sp with very white dorsum with black flecks scattered within it. Does not key to any Norops in Savage key. My gut feels strange, along with my cold. I am coming down with something. Supper at 7pm, David, Joe, + Laura drove to San Gerardo, called Janzen + cancelled Cacao visit until later. Tried to get rooms at San Gerardo, zilch for now. will check tomorrow.

26 June

Alberque Rincon Viejo (cont.)

Mary & I walked to 2nd pond near river, only thing calling were Leptodactylus spp., H. ebraccata, S. boulengeri, & S. elaeochroa. Saw large Hyd in tree, size of Phrynosoma, tried to knock it off & it jumped to leaf & I could not see it again. Aglyptus callidryas eggs on leaves. Mary caught tiny Eleutherodactylus sp. in grass. Now 9:45 pm & time to quit.

27 June

TBD LOC: June 2001.

6:00am; break; Dan + crew away by 8:30pm; Rain again this AM. Walked forest on east side of Rio Achuelo, along trail for 1± km; found 2 Dendrobates pumilio, 2 Norops capito ♂♂, 1 ♀ Corytophanes cristatus; several Rana waschevitschii; 1 Eleuthero. sp. back by noon; LEFT all in forest except 1 ♂ N. capito + Eleu. sp. trying to do inventory without keeping so much. We have house near San Gerardo for use starting today. Lunch, then house-keeping, lost my pillow somewhere in the shuffle; LEFT for Liberia at 3:20pm to purchase goods, TAM, gasoline; LEFT Liberia at 5:30pm; arrived back at 7:45pm. Rained torrents on way back, stops made & things seen or collected to LEFT or below.

Liberia to turnoff for Dos Rios, via Pan American Hwy, 25 km from turn off to Alberque Rincon Viejo

07.0 km Bufo marinus

09.0 km Quebrada Grande

10.9 km end of pavement

19.8 km two Bufo marinus

20.0 km * Urotheca euryzonus, call of Nyct. ebraccata,

21.3 km Rana waschevitschii DOR; call of Aglyptus callidryas

27 June Alberque Rincon Viejo a Liberia + return (cont.) 27 June 2001

22.8 km * Eleutherodactylus cf. fitzingeri AOR

22.9 km San Gerardo Biological Station

24.0 km Rana vaillanti AOR (Large ad.)

24.8 km Dos Rios

25.3 km Bufo marinus AOR

27.6 km Rana taylori, Bufo marinus AOR; calls of E. fitzingeri, E. diastema

28.8 km * U. Oxyphephus petola AOR

29.4 km Bufo marinus AOR

29.8 km Gavilan

30.6 km Alberque Rincon Viejo

The calls of Eleutherodactylus diastema (Tink Frog) were heard from about km 20 to km 30. At one point, we heard calls of Hyla loquax, Hyla microcephala, Hyla ebraccata, Scinax elaeochroa, Aglyptichus callidryas, + possibly a glass frog.

During supper Mary spotted a visitor to our table; an Aglyptichus callidryas (Red-eyed treefrog) crawled upon the table to have a meal too. In sack by 9:30 pm

28 June Alberque Rincon Viejo 28 June 2001

up at 5:30 am; breakfast; put down the 2 snakes + 2 frogs.
fissures on U. euryzona DL 587, + O. petola DL 588, + Eleu. sp. 590.
David, Laura, Joe + worker took off for Rio Negro to go to prim.
Forest beyond. Mud wade river. Good Luck! 9 am. - I stayed behind
with Mary; preserved 2 snakes, 2 frogs, owner yelled at me to
come; I saw the tail of a coral snake disappearing into cement
hole below shower. Could not catch it. Owner broke some of the
cement block; but still could not find snake. Too Bad!!

28 June

Albergo Rinco Vieja Alajuela-CR (cont.) 28 June 2001

Rain continues; I did not try to go out this am. Now 11:50am + still rain; thunder; etc. Mary + I will take a walk soon (Maybe)
Neighbor girl brought in Narops humilis ♀ from 500m south of her house, along the Rio Azul. Data for the U. euryzonus:
♂ SVL 462mm, tail 278mm; 78g, Ancl D; V 133, C 87, SR 17-17-17; 18 Red orange BB; 17 Black BB; tongue black with white at tip to fork; 9 ventral pale bands anteriorly, grading to red-orange posteriorly; dorsally orange red bands with black spots on scales, data for Oxyrhynchus petola: juv. ♀, SVL 390mm, tail 99mm, wt. 19g; Black BB 20/22; Black tail Bands 9. Venter pale cream + immaculate, large anterior black band ± 3 times length of those that follow; head black to ant. parietals, thin wide white band, Each red band with $\frac{1}{2}$ to 1 pale yellow border, that separates them (Red) from black bands. Mary + I made a walk down east side of Rio Azul. Saw absolutely nothing. returned to albergo by 1:15pm, Dan Janzen there with 3 young folks; did not bother to introduce them. They left at 2pm; our crew not back yet at 2:15pm. Mary + I took ± 2km walk, then to bridge + finally back to albergo by 4pm. Crew there, very tired, walked thru 80 ha. primary forest. They found B. haemathicus? B. vaticops; Eleutherodactylus sp. B + 4, D. pumilio (common) N. humilis (common) + N. oxylophus (common along streams) Missed a snake. Mary + I ate lunch at 2:30-3pm; crew ate at 4:15, paid bill \$189.⁶⁰ + tax; tried to load but it poured rain for 1 hour! Got David to back vehicle under partial roof, + loaded all gear inside. Left at 5:50pm, arrived San Gerardo Field station 6:20, unloaded + David drove back for team. I setup kitchen + our room. Hopped road, zilch, + then station yard + found 1 R. villalba + 1 L. melanotus etc.

28 June San Gerardo Station (cont.). 28 June 2001; crew arrived 7:50pm. Made Mabeccayú for drink, then made coffee. Went out + got very wet again; quitting for night at 9:50pm, + only 2 meals today!

29 June San Gerardo Station + 2km W. Dos Ríos, Alajuela, CR. 29 June 2001
6:30am; made AVONA-Mosh for breakfast. at 9:00am, David, Joe + I took forest trail up hill behind station. We found in order: Nyrops humilis, Corytophanes cristatus, Bathryechis schlegelii, Atrypoides nummifer, Rana uakselwinkleri + Bathryechis schlegelii. Left the last B. schlegelii plastered to side of tree, came back for photos; too dark in forest to focus well, so I took lots of shots of diff. spots + exposure. in by 11:30am; made lunch of beans, tomatoes, onion, mayo; + bread; dessert, Mani + guayaba merengada. Yesterday, the crew found a recently transformed Duellmanohyla unachroa (Red-eyed treefrog) = DL 593; Carolina + Freddie (Couple that live at station) came by + said they found a viper on one of the trails. David + Joe left with them at 1:30pm to see if they could find it again. They found it and returned by 3:15pm. It was a moderate-sized Atrypoides nummifer ♀. I started supper of stew (with tuna); my usual mix of veggies, + made coffee. After supper, put up Atrypoides nummifer: DL 602 ♂ SVL 716mm, tail 99mm, wt 520g; V122, SC36; DL 603 ♀, SVL 514mm, tail 63mm; 175g; V125, SC37; Large grasshopper in stomach; one Boleo juv was on a vine 2.2m above ground. David found Rana ferreri ♂ clasping a ♂ Leptodeutobus pentadactylus ♂ who was calling. Many Rana vaillanti in pond near station, + Bufo marinus on shore.

30 June

San Gerardo Field Station, 2 km W. Dos Rios, Alajuela, CR, 30 June 2001.

Up at 6:30 am, Avena Mosh breakfast; LEFT about 9 am for forest trail beyond Water Source for station. Laura, David + I walked about 1 hr + 15 min; mostly uphill to crest; & then E. along crest. Saw absolutely nothing. I returned about 11:30 am to fix lunch. Laura & David arr. at 12:10. Usual bean-tomato-sandwich, Mary + I took walk to top of hill where we found C. cristatus/A. nummifer-B. schegelii yesterday. We found 1 N. humilis ♂ about 80 cm above ground on tree about 9-10" DBH. We then walked west towards road to see if ad. B. schegelii was still on tree. It was so I took another series of shots. After returning to station (Flick of station) it came to me that on this last field day in CR, I was probably shooting all of my film wrong. It should have been F22 at 60, rather than F8 at 60. I will not know until I run the film & only N. orylophus seen last night. David + Joe found small clump of trees with epiphytes in middle of stream. One small tree contained ~~87~~ eggs of Norops? in scattered areas from the base to about 2.5 m up. We measured 11 eggs, opened one; looks like Norops about 3-4 wks old embryo; perhaps another 40 days until hatching. Some of the eggs looked as if they were just laid, & others empty; & others in various stages. I took several photos late in the evening; at F80, 16, 22, & at 60, 125. I hope some will come out. I fixed spaghetti, supper with fresh veggies. After supper, I made walk to water source, nothing calling, I walked stream; no Norops. a really dead night. Moon is 60% full; & casting a lot of light even tho' its cloudy. I hope things work out for everyone tomorrow; & when Becky + Wade show up. Crow found Tamias s. cenchoa this pm.
80554, 37571, 4058, 4088; 25711

1 July

1 July 2001

San Gerardo Field Station, Alajuela CR ~ San Jose, S.J., CR.

Up at 6:30am; made Avoca-mush for breakfast; at table Laura spied lizard on wall, caught it, it was Sphaerodactylus homolepis? ♀. David worked on preserving L. pentadactylus, R. ferreri, S. boudini, I. canchoa. I cleaned kitchen, swept, our room; & we were all ready to go by 9:30am. Turned loose hatchling B. sublegallii, at fruit hood; & took off for San Jose. Lunched at Esperanza; & arrived San Jose 3:45pm at David's house (San Pedro). Showered; Dalia had Supper for us at 6:30pm; & called Continental for us to confirm flight home. I took notes from David's field book to be able to make sense of what we found on this trip (± 174 indiv. Nos). Very tired from trip, ready for sack by 8pm. Actually 10pm now and I'm gone!

2 July

San Jose, S.J., CR., 2 July 2001

Up at 5:30am, made coffee, & waiting for others to arise.

Species taken or observed (*) on trip 19-30 June, 1 July 2001

Hyporhamphus variolosus

Eleutherodactylus diastema

Eleutherodactylus fitzingeri

Eleutherodactylus sp. 1 ↑

Eleutherodactylus sp. 2 ↑

Eleutherodactylus sp. 3 bransfordi

~~Eleutherodactylus sp. 4~~

Leptodactylus labialis

Leptodactylus melanonotus

Leptodactylus pentadactylus

Physalaemus pustulosus

Bufo haematiticus

Bufo luetkenii

Bufo marinus

Bufo melanochloris

Bufo valliceps

Agalychnis callidryas

Hyla ebraccata

Hyla loguax

Hyla microcephala

Scinax boulengeri

Scinax elaeochroa

Duellmanohyla uranochroa

Phrynosyllax venulosa

Smilisca baudinii

Smilisca puma

Dendrobates pumilio

Rana forreri

Rana taylori

Rana vallanti

Rana warschewitschii

Chelydra serpentina

Kinosternon leucostomum

Hemidactylus frenatus

Sphaerodactylus homolepis

Thecadactylus rapicaudus

Basiliscus plumifrons

* Basiliscus vittatus

Corytophanes cristatus

Ctenosaura similis

Iguana iguana

Norops humilis

Norops oxylophus

Norops pachyops = limifrons

Norops biporcatus

Norops capito

Norops limifrons

Norops sp.

Ameiva festiva

Ameiva undulata

* Boa constrictor

* Corallus annulatus

Coriophanes piceivittis

Imantodes cenchoa

Leptaphis depressirostris

* Mastigodryas melanolomus

Oxyrhopus petola

Sibon nebulata

* Spilotes pullatus

Micrurus alleni

Micrurus nigrocinctus

Bothrops asper

* Bothriechis nasutus

Bothriechis schlegelii

* Bothriechis ophryomegas

Atractodes hummeri

Crotalus durissus*

Eurytheca euryzona

Costa Rica; Guanacaste; Santa Rosa National Park; ACG
Hdg., + trail 21 June 2001.

34481	<i>Hypopachus variolosus</i>					released
34482	<i>Physalaemus pustulosus</i>					"
34483	<i>Bufo marinus</i>					" (83-84)
34485	<i>Bufo leutkenii</i> ?					DL 443
34486	<i>Coniophanes piceivittis</i>	♀	380	124	23g	DL 442
34487	<i>Oxybates aneus</i>					DL 444
34488	<i>Hemidactylus frenatus</i>					(88-89) DL 445-46
34490	<i>Ctenosaura similis</i>	♀	76	182	12.5	DL 441
34491	<i>Phrynosoma venulosa</i>					(released) (91-93)

Costa Rica: Alajuela; San Gerardo Field Station ± 2 km W. Dos Rios,
610m; 22 June 2001.

34494	<i>Norops oxylophus</i>	♂	SVL 80	tail 114	MA. 8.7	DL 447
34495	"	♂	78	36+97	8.8	DL 448
34496	"	♂	83	64+	9.0	DL 449
34497	"	♀	60	82	4.0	DL 450
34498	"	♂	77	107	8.8	DL 451
34499	"	♀	65	73	5.7	DL 452
34500	"	♂	63	103	5.0	DL 453
34501	<i>Rana vaillanti</i>					DL 436
34502	"	"				DL 437
34503	<i>Bothriechis schlegelii</i>	188	55	3.8		DL 439

Costa Rica: Alajuela: Rio Negro "arriba", 22 June 2001., ± 500 m

34504	<i>Norops oxylophus</i>	JV	35	56	1.0	DL 487
34505	<i>Bufo marinus</i>		54	-	11.5	DL 495
34506	<i>Dendrobates pumilio</i>		20	-	0.7	DL 496

Costa Rica: Alajuela: Rio Negro "bajo"; ± 500m; 22 June 2001

34507	<u>Norops oxylophus</u>				
34508	<u>Norops capito</u>			(Released)	
34509	<u>Norops</u> pechypus <u>limifrons</u>	41	68	0.8	DL 454
34510	<u>Leptophis depressirostris</u>	64	SVL Tail	340, Ma 68	DL 470?
34511	BuFo <u>BuFo</u> <u>vaticans</u> <u>marinus</u> <u>melanochloris</u>	78	62	1.2 (34511) 17 (34512)	DL 455-56
34513	<u>Bothrops asper</u>				DL 428?
34514	<u>Rana warschewitschii</u>				DL 557

Costa Rica: Alajuela: Alberque Rustico Rincon Viejo (=ARRV), ± 550m

E. Gavilan; on E. bank Rio Azul; 22 June 2001, ± 500m.

34515	<u>BuFo marinus</u>	♂	145	2508	DL 464
34516	<u>BuFo marinus</u>	♂	137	1858	" 465
34517	<u>Scinax boulengeri</u>	♂	45	3.8	" 488
34518	"	♂	45	3.8	" 489
34519	"	♀	51	5.2	" 490
34520	<u>Scinax elaeochroa</u>	♂	37	1.6	DL 458
34521	"	♂	33	1.5	" 459
34522	"	♂	36	1.6	" 460
34523	"	♂	35	1.7	" 461
34524	"	♂	37	1.45	" 462
34525	<u>Smilisca puma</u>	♂	46	2.4	DL 476
34526	"	♂	39	2.4	" 477
34527	<u>Smilisca baudinii</u>	♂	62	12	" 479
34528	"	♂	60	10	" 480
34529	"	♀	75	25	" 481
34530	"	♀	73	21.5	" 482
34531	"	♀	72	20	" 483
34532	"	♀	65	15.5	" 484
34533	<u>Rana vaillanti</u>				DL 466
34534	<u>Rana taylori</u>				DL 467
34535	<u>Flectherodactylus fitzingeri</u>	52	5.2		DL 484

Costa Rica: Alajuela: "ARRV"; 550m; 22 June 2001 nr Rio AZUL

34536	<u>Eleutherodactylus dicstema</u>	20	0.4	DL 485
34537	<u>Bufo valliceps</u>	65	18.5	492
34538	<u>Rana warschewitschii</u>	56	11.5	468
34539	" "	54	9.2	469
34540	" "	53	11.0	470
34541	" "	57	7.5	471
34542	" "	52	8.5	472
34543	" "	43	4.8	473
34544	" "	43	4.2	474
34545	" "	43	4.4	475
34546	<u>Novops pachyopus limitrons</u> ♂	^{sul} 43 ^{tail} 95	1.5	DL 486
34547	<u>Novops oxylophus</u> ju. ♀	35 56	1.0	487
34548	<u>Basiliscus plumifrons</u> ♀	^{w 5 eggs}		DL 491

Costa Rica: Alajuela: Ajo Negro; 21 June 2001.

34549	<u>Bufo marinus</u>	^{sul} 37, wt. 4g.		493 494
34550	<u>Bufo ^{valliceps} melanochlorus</u>	^{sul} 27, wt. 1.5g		493

Costa Rica, Alajuela: "ARRV"; 550m; 23 June 2001; nr Rio AZUL,

34551	<u>Novops ^{limitrons} pachyopus</u> ♀	^{sul} 40, wt. 1.3 tail to buckle 30;		497
34552	<u>Rana taylori</u>	no data		509
34553	" "	^{sul} 99 mm mass 89 g		510
34554	" "	85 - 54 "		511
34555	" "	89 - 47 -		512
34556	" "	81 - 49 -		513
34557	" "	84 - 41 -		514
34558	" "	83 - 49 -		515
34559	" "	87 - 84 -		516
34560	" "	96 - 90 -		517

Costa Rica: Alajuela: "ARRU": SSOM; 23 June 2001, ca. Rio Azul;

34561	<u>Rana taylori</u>	SVL 98			504	
34562	<u>Rana</u> ^{Vaillanti} Loatschewitschii	SVL 95	ma. 35.2		505	
34563	" "	" 101	" 99.0		506	
34564	" "	" 103	" 99.9		507	
34565	<u>Norops limifrons</u>	SVL 401	tail 82		503	
34566	<u>Leptodactylus labialis</u>	SVL 33,	0.4 km E Buenos Aires Ma. 2.7		518	
34567	<u>Smilisca baudinii</u>	SVL 64	Ma 12.5	♂	519	
34568	" "	" 59	" 12.0	♂	520	
34569	" "	" 65	" 14.5	♂	521	
34570	" "	" 58	" 11.5	♂	522	
34571	<u>Eleutherodactylus</u> <u>Eitzingeri</u>		no data		508	
34572	<u>Rana vaillanti</u>	SVL 30 mm			523	
34573	<u>Smilisca puma</u>	♂	" 46	4.5 ma	524	
34574	" "	♂	" 35	2.5 "	525	
34575	<u>Hyla microcephala</u>	♂	26	0.7	526	
34576	<u>Hyla ebraccata</u>	♂	27	0.8	527	
34577	" "	♂	27	1.0	528	
34578	" "	♀	33.5	1.7	529	
34579	<u>Norops limifrons</u>	♀	SVL 43	tail 63	ma. 1.1	530
34580	<u>Norops</u> ^{limifrons} pachypus	♀	40	77	1.15	531
34581	<u>Iguana iguana</u>	♂	83	211	19.5	Rio Negro abajo 532
34582	<u>Ameiva festiva</u>	JU	48	108	3.0	533
34583	<u>Norops biporcatus</u>	♀	92	215	18.5	534
34584	" "	♀	92	115+14	15	535
34585	<u>Corytophanes cristatus</u>	♀	91	197	27	536
34586	<u>Sibon nebulosa</u>	♀	392	124	18	537
34587	<u>Leptodactylus pentadactylus</u>	♂	134	-	99	538
34588	<u>Norops biporcatus</u>	♀	90	201	17	539

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Costa Rica: Alajuela: ARRV, ssom; 24 June 2001, ca. Rio Azul

34589	<i>Norops oxylophus</i>	♀	SVL 59	tail 100	Ma. 3.8	540
34590	"	♂	67	113	6.1	541
34591	"	♂	48	85	2.6	542
34592	<i>Eleutherodactylus diastema</i>	♀	SVL 27		0.7 g	543
34593	<i>Agalychnis callidryas</i>	♂		55	4.8 g	544
34594	"	♂		56	4.2 g	545
34595	<i>Norops limifrons</i>	♂	SVL 40	tail 22	Biten tail 60, Ma. 1.05	546
34596	<i>Bothriechis schlegelii</i>		SVL 183	tail 33	normal Ma. 2.3 4g.	499
34597	"	"	SVL 210	" 45	yellow Ma. 9.8 JV	500
34598	<i>Chelydra serpentina</i>				(blood only)	501
34599	"	"			(" ")	502

Costa Rica: Guanacaste: Filadelfia ^{Sugar Cane} date unknown; factory Rio Tempisque

34600	<i>Crotalus durissus</i>	♂	SVL 920	tail 110	wt. 390	498
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Costa Rica: Alajuela: Rio Negro Abajo 25 June 2001

34601	<i>Norops humilis</i>	♂	SVL 37	tail 59	1.4 g	548
34602	"	♀	41	56	1.6	549
34603	"	♂	37	56	1.4	550
34604	"	♂	36	53	1.1	551
34605	"	♂	36	53	1.2	552
34606	<i>Norops oxylophus</i>	♀	SVL 68	tail 100	ma. 6.4	553
34607	"	♀	59	89	5.1	554
34608	"	♂	74	135	8.5	555
34609	"	♂	75	126	8.0	556
34610	<i>Corytophanes cristatus</i>	♂	94	219	24.0	557
34611	<i>Bufo haematiticus</i>		25	-	1.1	558
34612	<i>Bufo valliceps</i>		21	-	0.55	559
34613	<i>Sibon nebulata</i>	♂	548	218	38	560
34614	<i>Norops oxylophus</i>		Eggs From 588	1 shell 14x6 1 not shelled 14x6		561
34615	"	"	549	489 yellowish 489 whitish		562

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Costa Rica: Alajuela: ARRIV, ssom; 25 June 2001, ca Rio Azul

34616	<i>Dendrobates pumilio</i> ♂	SVL 20	tail	MA. 0.75	564
34617	" " ♂	" 20	"	0.80	565
34618	<i>Thecadactylus rapicauda</i> ♂	" 110	" 35+	24.0	566
34619	<i>Rana warschewitschii</i>	" 57	"	10.0	567
34620	" "	" 55	"	10.0	568
34621	<i>Hyla loquax</i> ♂	" 40	"	5.6	569
34622	" "	" 41	"	4.2	570
34623	" "	" 41	"	5.0	571
34624	<i>Urotheca euryzona</i> ♂	" 445	" 186	68.5	572
34625	<i>Kinosternon leucosternum</i> ♀	CL 130; CW 83; PL 120, PW 58			573
34626	" "	CL 110; CW 72; PL 112; PW 57			574

Costa Rica; Alajuela; ± 2km S. Buenos Aires, Palm Farm & Forest, 26 June 2001,
 North slope of Volcan Rincon Viejo; ± 600m ±

34627	<i>Ameiva festiva</i> ♂	81	196	15.25	575
34628	" " ♂	54	114	3.95	576
34629	" " ♂	118	240	26.6	577
34630	<i>Ameiva undulata</i> ♂	110	179	42.5	578

Costa Rica: Alajuela: ARRIV, ssom; 26 June 2001, ca Rio Azul

34631	<i>Micrurus alleni</i> ♀	231	35	2.8	579
34632	<i>Micrurus nigrocinctus</i> ♀	390	47	12.5	580
34633	<i>Norops capito</i> ♀	78	117	8.8	581
34634	<i>Norops lemurinus</i> ♀	58	120	4.4	582
34635	<i>Basiliscus plumifrons</i>	190	548	204g (tailless)	583a
34636	<i>E/cuphro dactylus fitzingeri</i>	15	sp. 0.2		583
	<i>E/leuthero dactylus fitzingeri</i>	28	sp. 1.7	(34636-37)	584
34638	<i>Smilisca baudinii</i> ♀	60	188		585

Costa Rica: Alajuela/Guanacaste: 4.9 km W. Dos Rios; ± 700m;
 27 June 2001, NOR
 V 133, SC 89, 782 tail B.
 8 Red " "

34639	<i>Urotheca euryzona</i> ♂	SVL 462	tail 278	MA 78	182 BB	587
34640	<i>Norops capito</i> ♂	82	145	11.8	586	

Costa Rica: Alajuela: 1 km W Cavilan; AOR, 600m; 27 June 2001				
34641	<u>Oxyrhopus petola</u> ♀			588
Costa Rica: Alajuela: 2 km W. Dos Rios, 620m, AOR, 27 June 2001				
34642	<u>Eleutherodactylus fitzingeri</u>			590
Costa Rica: Alajuela; 0.8 km W. Dos Rios, 620m; AOR; 27 June 2001,				
34643	<u>Rana vaillanti</u>			589
Costa Rica: Alajuela; San Gerardo Sta; 2 km W Dos Rios, 620m; 28 June 2001.				
34644	<u>Leptodactylus melanonotus</u> ♂	40	5.7	591
Costa Rica: Alajuela: Rio Negro "ajajo", 80 ha tract primary forest, 28 June 2001				
34645	<u>Eleutherodactylus grandisfordi</u>	sp	12	0.01 ² 592
34646	<u>Duellmanohyla cranchii rufiocularis</u>		13	0.0115 593
34647	<u>Eleutherodactylus grandisfordi</u>	sp	14	.001 594
34648	<u>Bufo haematiticus</u>		17	.02 595
34649	" "		17	.02 596
34650	" "		15	.01 597
34651	" "		12	.005 598
34652	" "		11	" 599
34653	" "		12	" 600
34654	" "		12	" 601
Costa Rica: Alajuela: 2 km W Dos Rios, 620m, San Gerardo Sta; 29 June 2001				
34655	<u>Atrypoides nummifer</u> ♂	V122, SL35; SVL 716; Tail 99mm; 520g,		602
34656	" <u>nummifer</u> ♀	V125, SL37 SVL 514; tail 63; 175g.,	Grasshopper (604) 1 in stomach	603
IBID, 30 June 2001				
34657	<u>Imantodes cenchoa</u> ♀	SVL 805, tail 350, wt. 40.5g,		606
34658	<u>Leptodactylus pentadactylus</u> ♂	SVL 123,	84.5g.	607
34659	<u>Rana ferrerii</u> ♂	SVL 85,	84.5g	608
34660	<u>Smilisca baudinii</u> ♀		14g.	609
34661	<u>Sphaerodactylus homolepis</u> ♀	SVL 31 1.11 32	0.8g. (# July 2001)	610