

Memoir Notes

- *The Fence*

The incident reported here took place at 608 38th Street, Long Beach, California where my parents had rented a house about 1959. The vine growing on the fence is Purple Passionfruit (*Passiflora edulis*). The butterfly is the Gulf Fritillary (*Agraulis vanillae*).

- *The Rock*

The incident reported here took place in Santa Ana Canyon, Orange County, California in about 1953. The snake under the rock is a Ring Necked Snake (*Diadophis amabilis*).

- *The Snail's Burden*

The snails in the souk are Edible Snails (*Otala tingitana*). The snails in our backyard at 3402 Snowden Ave., Lakewood, California are Garden Snails (*Cornu aspersum*). Hans Lind (1976, Causal and functional organization of the mating behaviour sequence in *Helix pomatia* (Pulmonata, Gastropoda), Behaviour 59:162-202) gives a detailed account of pulmonate snail mating behavior. Wikipedia gives a good summary of research on the love dart of pulmonated snails (https://en.wikipedia.org/wiki/Love_dart).

- *The Ditch*

“The Ditch” runs parallel to Los Coyotes Diagonal in Lakewood, California. The ditch now has vertical sides and a bottom of poured concrete. The animals I encountered there about 1954-1956 were Alligator Lizards (*Elgaria multicolorata*), Fence Lizards (*Sceloporus occidentalis*), Western Toads (*Bufo boreas*), and Pacific Chorus Frogs (*Pseudacris regilla*).

- *The Boy Professor*

The search for bugs takes place in the vicinity of our house (3402 Snowden Ave., Lakewood, California) about 1954. My grandparent's property (The Ranch) was in Santa Ana Canyon, Orange County, California near the town of Olive. The current address of the ranch house is 351 S Henning Way, Anaheim, CA 92807. The reptiles and amphibians I saw there as a child (1945-55) are Western Skinks (*Eumeces skiltonianus*), Fence Lizards (*Sceloporus occidentalis*), Alligator Lizards (*Elgaria multicolorata*), Gopher Snakes (*Pituophis annectans*), Ring Necked Snake (*Diadophis amabilis*), Pacific Chorus Frogs (*Pseudacris regilla*), Toads (*Bufo boreas* or *californicus*), Slender Salamanders (*Batrachoseps major*). When I visited the property about 1970, I saw Whiptail Lizards (*Cnemidophorus hypsiglyphus*) in a sandy ravine on the west side of the property. In the 1940s my grandparents killed Red

Rattlesnakes (*Crotalus ruber*) as well as Gray Foxes on their property. Deer and coyotes were sometimes seen.

- *Mr. Peepers*

The incident occurred at our house on Snowden Avenue about 1954. The predator at the Ranch was thought to be a coyote at the time, but it might have been a Gray Fox, which were also known to be there.

- *A Fork in the Road*

The tryout happened in Lakewood, California while we lived at Snowden Ave. The grove of trees (eucalyptus) where I hunted lizards and grasshoppers during Little League games was located in an old agricultural field. Our uncle Buck (Charles Henry Arnold) coached Pony League teams in Long Beach, taking one team to a World Championship.

- *A Mother's Pride*

My mother's friend is Barbara Stiles, who lived on Greenwood Avenue. The picture of me with Liz and my brother Tim was taken when I was about 18, not 14, as in the story.

- *A Grandfather's Love*

The Civil War pistol probably belonged to Jesse's grandfather, Hopson Arnold, who served in the Union Army.

- *An Aunt's Concern*

My Aunt Margaret is Margaret Louise Monty (1917-2001).

- *First Friend*

Tim Clarke lived at Tyler Ave., El Monte. I lived at 2219 El Capitan Ave., Arcadia. The tortoises in Tim's backyard are Desert Tortoises (*Gopherus agassizii*).

- *A Helping Hand*

The various reptiles and amphibians are Prairie Rattlesnakes (*Crotalus viridis helleri*), *Pseudacris cadaverina*, *Rana boylei*, *Lampropeltis getulus*, *Pituophis melanoleucus*, *Masticophis lateralis*, *Sceloporus occidentalis*, *Uta stansburiana*, *Cnemidophorus tigris*, *Salvadora hexalepis*, *Lampropeltis zonata*, *Lichanura roseofusca*, *Ensatina eschscholtzii*, *Aneides lugubris*, *Batrachoseps gabrieli*, and *Phrynosoma coronatum*. The owls were Great Horned Owls (*Bubo virginianus*)

- *Catch Any?*

Our German teacher at Arcadia High School, and sponsor of the German Club, was Isolde Syben, PhD. The Mountain Kingsnake is *Lampropeltis zonata*. The rattlesnake is *Crotalus viridis helleri*.

- *The Little Pond*

The birds that visited the pond were the Common Egret and Mallard Ducks. The toads were *Bufo boreas*.

- *Crazy But We Love Him*

The field trip with Katie Briggs was sometime in the 1980s.

- *Tokens of Love*

Dick threw a tantrum at his retirement party at the Pasadena Star News because his retirement package was less than he expected. He told his boss to stuff it up his ... In response, management gave him the absolute minimum retirement package. To keep the household afloat, Liz took a job as a secretary.

- *Stepping Up*

Tim's sister is Patricia Anna Clarke (1928-1999) married to Frank Price Myers (1928-2012). His brother is James Wallace Clarke married to Elizabeth Ann Britton. Tim's Uncle Ralph is Ralph Wallace Bowen Jr (1901-1994) married to Marjorie Ruth Walker (1905-2001). The "peculiar MVZ style of note taking" was invented by Joseph P. Grinnell (1877-1939) and is followed to this day MVZ field workers.

- *Dave Pike on Line 2*

David Kenneth Pike (1942-1978) married Donna G. Sandusky in 1966.

- *Putting Away My Childish Things*

The rattlesnake is *Crotalus viridis helleri*. Robert Wirth, MD was my doctor at Corvallis Clinic in Corvallis, OR for over 20 years.

- *Little Bugs in Winter*

The Jungle Runner is *Ameiva ameiva*.

- *The Dream*

William Hurd is Paul David Hurd, Jr. (1921 -1982). A short biography and his research papers are available in the Smithsonian Archives

(https://siarchives.si.edu/collections/siris_arc_217468). Dick Sage is Richard David Sage (1943). He later worked at the MVZ and was a professor at the University of Missouri, Columbia. Larry Wolf was later a professor at the University of Syracuse, New York. Daniel Janzen was a graduate student at UC Berkeley when I first met him. He later held professorial positions at the University of Chicago and the University of Pennsylvania. Alden Miller is AldenHolmes Miller (1906-1965), director of the MVZ at UC Berkeley for 25 years. The amphibians and snakes on the road in Guatemala near Coatepeque are: *Hyla staufferi*, *Immantodes gemnistratus*, *Leptodeira septentrionalis*, *Rana vailanti*, *Smilisca baudini*, and *Dermophis mexicanus*.

The blue-green lizards are *Sceloporus malachiticus*.

- *The Dustbin of History*

For biographies of Ralph Smith, see:

James T. Carlton 2007 , “S. F. Light and R. I. Smith” in *The Light and Smith Manual, Intertidal Invertebrates from Central California to Oregon*. University of California Press.

Collin O. Hermans. 1997. Obituary. Ralph Ingram Smith, July 3, 1916 – May 12, 1993. *Bulletin of Marine Science*. 60: 224-234.

A wikipage for Frank Pitelka is available at https://en.wikipedia.org/wiki/Frank_Pitelka. Also see

Walter D. Koenig and Paul W. Sherman "IN MEMORIAM: FRANK ALOIS PITELKA, 1916–2003," *The Auk* 121(3), 963-965, (1 July 2004). [https://doi.org/10.1642/0004-8038\(2004\)121\[0963:IMFAP\]2.0.CO](https://doi.org/10.1642/0004-8038(2004)121[0963:IMFAP]2.0.CO)

- *Salamander Courtship*

The paper by Keith Nelson is K.Nelson, 1964. *The Temporal Patterning of Courtship Behaviour in the Glandulocaudine Fishes (Ostariophysi, characidae)*. *Behaviour* , 1964, Vol. 24, No. 1/2, pp. 90-146.

A fuller account of the argument given in the last paragraph appears in my 2023 book *Evolutionary Quantitative Genetics* on pages 439-444.

- *An Evening on Whitetop*

Our main collecting targets for the trip were *Plethodon montanus*, *P. yonahlossee*, and *P. glutinosus* but we also took samples of *P. richmondi*, *P. cinereus*, and *P. welleri*.

- *Revelation on the Amazon*

The images of Amazon wildlife show a plecostomus catfish, a Capped Heron (*Pilherodius pileatus*), a Hoatzin (*Opisthocomus hoazin*), and a Isabel's Saki (*Pithecia isabela*).

- *Our First Fight*

The salamanders in the photographs are: *Bolitoglossa occidentalis*, *B. resplendens*, not sure of the id on the ones next to a penny, and *Dendrotriton bromeliacea*. The spider is the Tiger Bromeliad Spider (*Cupiennius salei*)

- *The Snake Lady*

The group of people holding Betty the Boa are, from left to right, Dorothy Balisok, Lynne Houck, Cynthia Heringer, Jonah Pappas, Steve Arnold and, in the background, Ben Pappas. The people around the campfire are Edmund Brodie III, Jean Gladstone, and Steve Arnold.

- *The Tyrant's Posthumous Reward*

The animal images are of a Green Toad (*Bufo boulengeri*), an Sharp-tailed Worm Lizard (*Trogonophis wiegmanni*), and the Ribbed Newt (*Pleurodeles waltl*).

- *Bill's Out of Crickets*

The toad is a Green Toad (*Bufo boulengeri*).

- *Snake Camp*

Identities in images are as follows (left to right): #6 ?, Amanda Sparkman, Jessica Billings, Ellen Slatkin, ?; # 7 Lynne Houck (Tina under her chair), Henry Pappas, ?; # 11 Rudi Berkelhamer, Al Bennett, ?, Mari Bennett, ?, ?, Suzzane Estes; #12 Annalee Rehjon, Joe ?, Lynne Houck (Tina), Cynthia Heringer, Ross Kiester; #12-2 Lucy Kiester, Juliet Kiester, Caroline Arnold; #13 ? Brodie and ? Janzen; #14 Jonah Pappas; ? ,? ,?, Anne Bronikowski, ?, ?,?; #16 Anne Bronikowski;

- *Officer Jarvis*

Identities in photos (left to right): #5 Lynne Houck, ?, Tim Clarke, Steve Arnold; #9 Jean Gladstone, Edmund Brodie III holding a Long-nosed Snake (*Rhinocheilus lecontei*); # 10 Tanya Bittner with Collared Lizard; #11 Lynne Houck and Maggie Clarke; #12 Maggie Clarke, Lucy Kiester, Juliet Kiester; #13 Lucy Kiester, Lynne Houck, Juliet Kiester, Maggie Clarke; #15 Maggie Clarke and Erika Adams; #15-2 Russell Clarke and Lynne Houck; #17-2 Lynne Houck, Lucy Kiester, Robin Lillehei, Mollie Manier, Maggie Clarke; #18 at far right, Russell Clarke; #21 (back row) Hilary Godwin, ?, ?, Elyse Vaccaro, (front row) Jessica Billings (Tina), Russell Clarke, Robin Lillihei (Coey), Lucy Kiester.

- *Sewall Wright*

The paper by Ronald Fisher is Fisher, R. A., 1918 The correlation between relatives on the supposition of mendelian inheritance. Trans. R. Soc. Edinb. 53: 399–433.

At the coffee break in Tucson in 1980, I also saw George G. Simpson and his wife Anne Roe walk by, but didn't get a chance to talk to them.

- *Starry, Starry Night*

The look at the sky happened on highway A1, which goes around Eagle Lake, Lassen Co., CA at the point where the road climbs as it crosses the base of Rocky Point.

- *The Elixir of Love*

Summaries of the research project are provided by:

Kari A. Doty, Damien B. Wilburn, Kathleen E. Bowen, Pamela W. Feldhoff, and Richard C. Feldhoff. J Proteomics 135:101-111.

Stevan J. Arnold; Karen M. Kiemnec-Tyburczy; Lynne D. Houck. 2017.

The Evolution of Courtship Behavior in Plethodontid Salamanders, Contrasting Patterns of Stasis and Diversification Herpetologica (2017) 73 (3): 190–205.

Identities in photos are (left to right): #2 Rick Feldhoff; #3 unknown, Lynne Houck; #6 Pam and Rick Feldhoff; #8 Richard Watts, Steve Arnold, Lynne Houck; #12-2 Lynne Houck and Sarah Edy; #13 Stephanie Rollmann, Alison Bell, Lynne Houck; #14 unknown, Lynne Houck; #17 Rick Feldhoff, unknown, Steve Arnold, Lynne Houck, Karen M. Kiemnec-Tyburczy, Elyse Vaccaro, Richard Watts, Celeste R. Wirsig-Wiechmann; #18 Rick Feldhoff, Celeste R. Wirsig-Wiechmann, Richard Watts, Karen M. Kiemnec-Tyburczy, unknown, Lynne Houck, Pam Feldhoff.

The balloon flies are *Hilara* and the Dutchman's Pipe is *Aristolochia macrophylla*.

- *To Russia with Love*

Identities in photo are (left to right): #1 Wyatt Anderson; #2 Steve Arnold, Stephen Jay Gould, Dennis Powers; #4 Dennis Powers, Marina A. Dolgolenko, Steve Arnold, Larissa Kuprianova, Wyatt Anderson, unknown; #5 Yuri Altukov, Dennis Powers, Stephen Jay Gould; #3 Dennis Powers, Stephen Jay Gould, Wyatt Anderson; #7 Gould with calicothere; #9 Powers (holding his tea cup), Gould, Victor Orlov, and Leonid P. Tatarinov (1926-2011); #10 (in front) Larissa Kuprianova, Marina A. Dolgolenko, (in back) Dennis Powers, unknown, unknown, Stephen Jay Gould, Wyatt Anderson; #12 Steve Arnold, Dennis Powers, Stephen Jay Gould; #19 Marina A. Dolgolenko and Stephen Jay Gould.

- *Such An Educated Man!*

Identities in photos (left to right): #3 *Nerodia rhombifer*; #4 Michael Plummer with soft-shelled turtle; #5 *N. rhombifer* eating a catfish; #6 *N. rhombifer*; #7 *N. rhombifer*.

- *Take the Bite!*

Identities in photos (left to right): #1 Whitfield Gibbons, Steve Arnold, and William Branch on Capers Island after Hurricane Hugo; #2 *Agkistrodon piscivorus*; #3 *Nerodia taxispilota*; #5 *Nerodia taxispilota*; #6 *Alligator mississippiensis*.

- *Robert C. Stebbins*

Identities in photos (left to right): #2 Robert C. Stebbins as a young man; #3 Gopher Snakes (*Pituophis melanoleucus*); #5 *Taricha granulosa*; #6 *Charina bottae*; #7 *Thamnophis sirtalis concinnus*; #8 *Coluber constrictor*; #9 *Elgaria multicarinata*; #10 *Pseudacris regilla* tadpole.

- *Living with Cougars*

Identities in photos and videos: #2 *Taricha granulosa*; #3 North American River Otter (*Lontra canadensis*); #4 Osprey (*Pandion haliaetus*); #5 Great Blue Heron (*Ardea herodias*); #6 male Hooded Merganser (*Lophodytes cucullatus*); #7 Bald Eagle (*Haliaeetus leucocephalus*); #8 Coyote (*Canis latrans*); #10 Bobcat (*Lynx rufus*); #11 Coyotes (*Canis latrans*); #s 12-19 Cougar (*Felis concolor*).

- *Paradise in Honduras*

Identities in photos and videos: #7 Central American Agouti (*Dasyprocta punctata*); #8 male Brown Basilisk (*Basiliscus vittatus*); #11 Jaguar (*Panthera onca*); #15 Ocelot (*Leopardus pardalis*); #16 Jaguarundi (*Herpailurus yagouaroundi*); #17 Tayra (*Eira barbara*); #18 Jaguar (*Panthera onca*); #s 20, 22-23 Red-eyed Treefrog (*Agalychnis callidryas*); #21 Smoky Jungle Frog (*Leptodactylus pentadactylus*); #24 Collared Aracari (*Pteroglossus torquatus*); #27 Lynne Houck and guides.

- *Jaguar! Jaguar!*

Identities in photos and videos: #1 and 2 Warrior Wasp (*Synoeca septentrionalis*); #4 Fernando Frosini and Lynne Houck; #6 Green Iguana (*Iguana iguana*); Capped Heron (*Ptilerodius pileatus*); #9-10 Steve Arnold; #12-2 Rhea (*Rhea americana*); #13 Tamandua (*Tamandua tetradactyla*); #14 Red-faced Guan (*Penelope dabbeni*); #15 Hyacinth Macaw (*Anodorhynchus hyacinthinus*); #16 Black-tailed Marmoset (*Mico melanurus*); #17 Capuchin Monkey (*Sapajus apella*); #19 Green Iguana (*Iguana iguana*); #20 Water Snake (*Helicops leopardinus*); #21 Rufous-tailed Jacamar (*Galbula ruficauda*); #22 Blue-crowned Trogon (*Trogon curucui*); #23 Red Brocket Deer (*Mazama americana*); #25 *Donacobius*

(*Donacobius atripicalla*); #26 Wood Stork (*Mycteria americana*), Roseate Spoonbill (*Platalea ajaja*), Cattle Egret (*Bubalus bubalis*), Muschovy Duck (*Cairina moschata*); #28 Crane Hawk (*Geranospiza caerulescens*); #29 Yellow Anaconda (*Eunectes notaeus*); #31 Steve Arnold; #32 Jaguar (*Panthera onca*); #33 Capybara (*Hydrochoerus hydrochaeris*); #34 Spectacled Caiman (*Caiman crocodilus*); #34-2 Jaguar (*Panthera onca*); #35 Giant Otter (*Pteronura brasiliensis*); #36 Neotropical Cormorant (*Phalacrocorax brasilianus*); #37 Spectacled Caiman (*Caiman crocodilus*); #38 Black Skimmer (*Rynchops niger*) and Large-billed Tern (*Phaetusa simplex*); #39-40 Jaguar (*Panthera onca*).

- *Living with Tigers*

Identities in photos and videos: #1 Bengal Tiger (*Panthera tigris tigris*); #3 Lynne Houck (on left); #9 Saltwater Crocodile (*Crocodylus porosus*); Water Monitor (*Varanus salvator*); Forest Cat (*Felis chaus*); #14 Chital (*Axis axis*), Sambar (*Rusa unicolor*); #15 Barasingha (*Rucervus duvaucelii*), #16 Barking Deer (*Muntiacus muntjak*); #17 Gaur (*Bos gaurus*); Wild Boar (*Sus scrofa*); #19 Bengal Tiger (*Panthera tigris tigris*); #20 Indian Peafowl (*Pavo cristatus*).

- *Life as an Orangutan*

Identities in photos and videos: #5 Bornean Orangutan (*Pongo pygmaeus*), Agile Gibbon (*Hylobates agilis*); #6 Cream-colored Giant Squirrel (*Ratufa affinis*); #7-8, 14, 15 Bornean Bearded Pig (*Sus barbatus*); #11 male Bornean Orangutan (*Pongo pygmaeus*); #12 Oil Palm (*Elaeis guineensis*); #13, 13-2 Bornean Orangutan (*Pongo pygmaeus*); #16 Sumatran Tiger (*Panthera tigris sumatrae*).

- *Living with Elephants*

Identities in photos and videos: #1 Hilary Godwin and Steve Arnold; #3 Kevin Njabo and Tom Smith; #4 Luc and Jean-Jacques; #5 (seated) Nate Dappen (with camera), David, unknown (with instrument), Amali Cole, Brian Cole; #6 Tom Smith hugging Luc; #7 Jean-Jacques embracing unknown, David (with instrument); #9 Tom Smith showing photos, David with instrument; #10 Jean-Jacques shown photos to his wife; #11-13, 13-2 Savanna Carson-de Mattos and Hilary Godwin approach Jean-Jacques family; #14 Tom Smith play harmonica with Bifalome men; #15 Goliath Beetle (*Goliathus goliatus*); #18-21 Ground Chameleon (*Rhampholeon spectrum*), #23 mantis (*Prohierodula picta*); #24 grasshopper (*Odontomelus* sp.); #25 Multi-scaled Forest Lizard (*Adolfus africanus*); #26 White-bellied Pangolin (*Phataginus tricuspis*); Brush-tailed Porcupine (*Atherurus africanus*); #27-2 Tom Smith and colleagues; #29 Blue Duiker (*Philantomba monticola*); #30 African Forest Elephant (*Loxodonta cyclotis*).

- *Trekking with the Baka*

Snares set for White-bellied Pangolin (*Phataginus tricuspis*) and Brush-tailed Porcupine (*Atherurus africanus*)

- *Living with Fire and Crocodiles*

Identities in photos: #5 Rick Shine; #6 Steve Arnold (in foreground) sitting next to Hasegawa Masami; #7 Neil Ford; Elephant Trunk Snake (*Acrochordus javanicus*); #9 Charles R. Peterson holding *Acrochordus*; #10 Steve Arnold holding *Acrochordus*; #11-15 Saltwater Crocodiles (*Crocodilus porosus*); #16 Agile Wallabies (*Macropus agilis*); #17 Pheasant Coucal (*Centropus phasianinus*); #18 Sulphur-crested Cockatoos (*Cacatua galerita*); #19 Forest Kingfisher (*Todiramphus macleayii*); #20 Rainbow Bee-eater (*Merops ornatus*); #21 Blue-winged Kookaburra (*Dacelo leachii*); #23 Paper-bark Tree (*Melaleuca quinquenervia*); #24 Screw Pines (*Pandanus spiralis*); #25 male Frilled-neck Lizard (*Chlamydosaurus kingii*); Steve Arnold showing female Frilled Lizard to Rick Shine; #27 Rick Shine holding male Frilled Lizard; #30 Steve Arnold with cycad (*Cycas armstrongii*); #31 Termite mounds (*Nasutitermes tridodiae*), Steve Arnold, Whitfield Gibbons.

- *The Edible Giants of Aldabra*

Aldabra Tortoise (*Aldabrachelys gigantea*); Giant Grouper (*Epinephelus lanceolatus*); Atlantic Giant Grouper (*Epinephelus itajara*); Pacific Giant Grouper (*Epinephelus quinquefasciatus*)