

What We Learned from Ray Huey: *Squamates, Stones, Science, and Style*

Theodore Garland, Jr.
Department of Biology

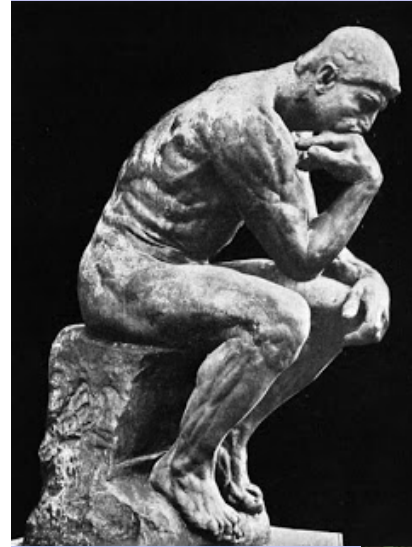


with major help from
Stephen C. Adolph
Department of Biology



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The Intellectual



The Thinker (< 1904), a bronze by Auguste Rodin



Ray Huey in Puerto Rico, 2009, photo by Dick Tracy

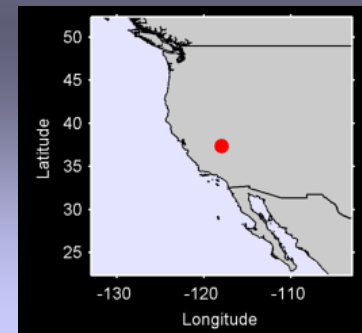
2

In the beginning...



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Deep Springs College



4

Deep Springs College

Deep Springs is a school of 26...

<http://www.deepsprings.edu/admissions/statistics>



Deep Springs College



<http://www.vanityfair.com/>

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Deep Springs College

"The desert has a deep personality; it has a voice. Great leaders in all ages have sought the desert and heard its voice.

Deep Springs Founder L.L. Nunn, 1923: <http://www.deepsprings.edu/home>

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Deep Springs College

"The desert has a deep personality; it has a voice. Great leaders in all ages have sought the desert and heard its voice.

You came to prepare for a life of service, with the understanding that superior ability and generous purpose would be expected of you."

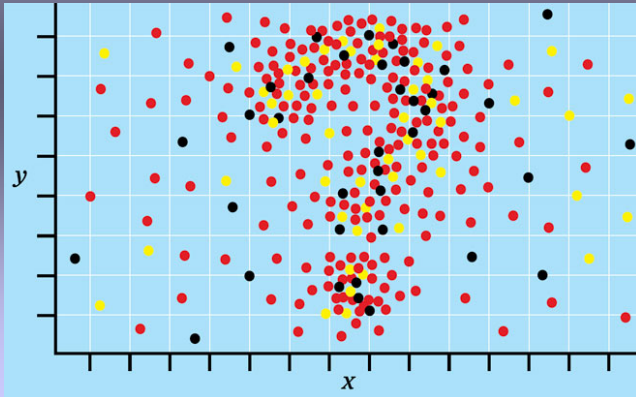
Deep Springs Founder L.L. Nunn, 1923: <http://www.deepsprings.edu/home>

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Deep Springs College

"The thing to remember about statistics is never to trust them."

<http://www.deepsprings.edu/admissions/statistics>



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Deep Springs College



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Deep Springs College



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And he transferred to Berzerkeley...



A couple of years later...



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With a lizard in Peru, 1967



Ray Huey in Peru, 1967,
photo by ???

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In the middle...



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Gratuitous M.C. Escher:



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The Intellectual:

Thermoregulation as a matter of costs and benefits (Huey & Slatkin 1976)

Organismal performance as the link between morphology/physiology/biochemistry and Darwinian fitness (Huey & Stevenson 1979)

Use of phylogeny in comparative biology (Huey & Bennett 1987)

Use of model organisms (*Drosophila*) to address classic questions in comparative and ecological physiology (Oingo Boingo)

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The Intellectual:

Oingo "Tiny insects in my hair
Boingo Tiny insects everywhere
Tiny insects in my pants
Watching insects make romance
Insects make me make me want to dance"

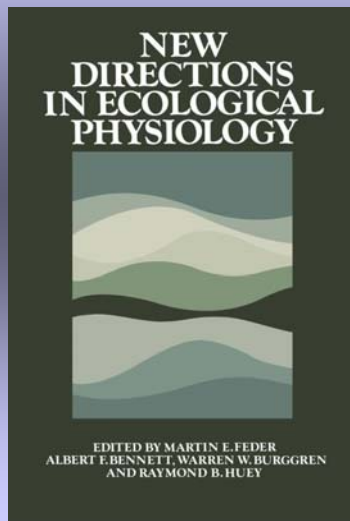


from the
1982 album
*Nothing
to Fear*

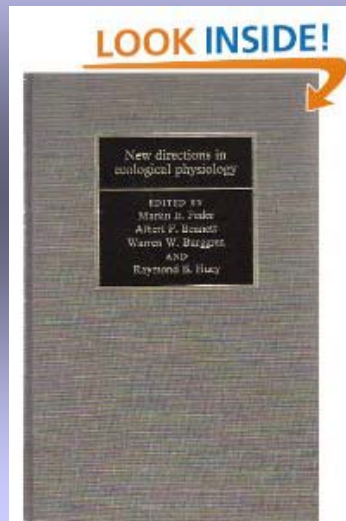


The Intellectual:

Development of Evolutionary Physiology



1988



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Creating Catchy Titles:

"Homage to Santa Anita"

"Is Hotter Better?"

"Are Lizards Toast?"

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Ecology, 82(1), 2001, pp. 1–7
© 2001 by the Ecological Society of America

HOW OFTEN DO LIZARDS “RUN ON EMPTY”?

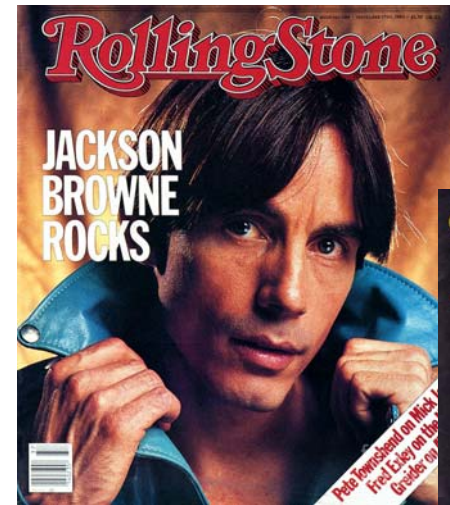
RAYMOND B. HUEY,^{1,4} ERIC R. PIANKA,² AND LAURIE J. VITT³

¹Department of Zoology, Box 351800, University of Washington, Seattle, Washington 98195-1800 USA

²Section of Integrative Biology (C0930), School of Life Sciences, University of Texas,
Patterson Laboratories, 24th at Speedway, Austin, Texas 78712-1064 USA

³Sam Noble Oklahoma Museum of Natural History and Department of Zoology, University of Oklahoma,
Norman, Oklahoma 73072-7029 USA

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1988



Ecology, 70(4), 1989, pp. 931–944

HOT ROCKS AND NOT-SO-HOT ROCKS: RETREAT-SITE SELECTION BY GARTER SNAKES AND ITS THERMAL CONSEQUENCES¹

RAYMOND B. HUEY

Department of Zoology NJ-15, University of Washington, Seattle, Washington 98195 USA

CHARLES R. PETERSON² AND STEVAN J. ARNOLD

Department of Ecology and Evolution, University of Chicago, Chicago, Illinois 60637 USA

AND

WARREN P. PORTER

Department of Zoology, University of Wisconsin, Madison, Wisconsin 53706 USA

23

1971



Keep "safe search" on!



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1984. Evolution 38:441-444.

IS A JACK-OF-ALL-TEMPERATURES A MASTER OF NONE?

RAYMOND B. HUEY¹ AND PAUL E. HERTZ²

¹Department of Zoology, University of Washington, Seattle, Washington 98195 and

²Department of Biological Sciences, Barnard College, Columbia University, New York, New York 10027

Received April 4, 1983. Revised July 26, 1983

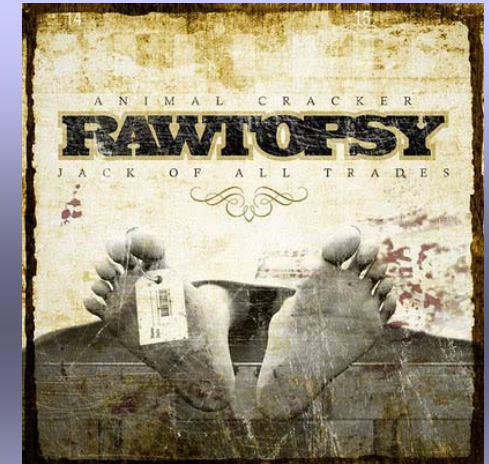
It goes both ways ...

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It goes both ways ...



Genre: Underground Hip-Hop
Released: 2007



Genres: Hip-Hop, Rap
Released: 2011

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It goes both ways ...

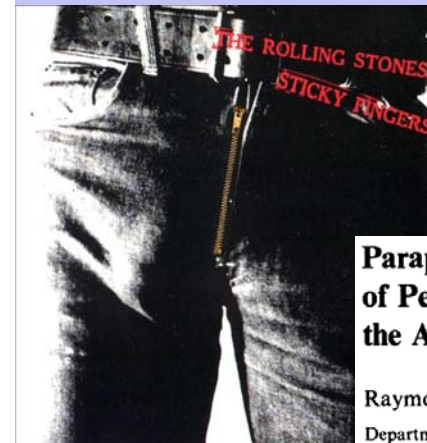


Genre: Undergr...p-Hop
Released: 2007

Genres: Hip-Hop, Rap
Released: 2011

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Missed Opportunities:



Oecologia (Berl.)
38, 249 – 259
(1979)

Parapatry and Niche Complementarity
of Peruvian Desert Geckos (*Phyllodactylus*):
the Ambiguous Role of Competition

Raymond B. Huey
Department of Zoology NJ-15, University of Washington Seattle, Washin

Released 23 April 1971

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From: IN% "hueyrb@zoology.washington.edu" 1-DEC-1997 13:49:53.32
To: TGARLAND@macc.wisc.edu
Subject: Mick and Keith are alive and well

Ted,

Well, I finally got to see the Stones live! They were in town on Friday night, and I managed to get two tickets. The acoustics in the Kingdome were awful (though less awful than when the Who were in town for their final tour), but the Stones were still fantastic. **Mick may be geriatric, but he can still cover a lot of ground.**

The Bridge to Babylon was **quite stunning**. Have you heard about it?

Excelsior,
Ray

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From: IN% "hueyrb@zoology.washington.edu" 1-DEC-1997 14:26:33.62
To: THEODORE GARLAND JR <TGARLAND@macc.wisc.edu>
Subject: Re: Mick and Keith are alive and well

Ted,

Picture a dark stage and auditorium. Arising out of the center are two red headlights, attached to a horizontal scaffolding. The scaffolding is really a telescoping bridge, that "grows out" from the stage, moving out over the audience. It grows and grows, these two red lights moving further and further. Then, right out in the middle of the main floor, a square stage starts to rise out of the ground, complete with drums, etc. Eventually, the bridge reaches the new stage. Amazing engineering. Then Mick and the boys run out from the stage, across the bridge (in an arch shape), to the new stage, and play up close and personal for a while. Meanwhile, the bridge retreated back to the main stage and disappeared.

From our view, it looked as if the bridge literally went over the audience, which had me wondering about legal matters. However, in retrospect, I think there was a raised platform splitting the audience, and so the bridge probably went over the platform.

Anyway, was quite amazing, and the boys were much much closer to us on the mini-stage than on the main one.

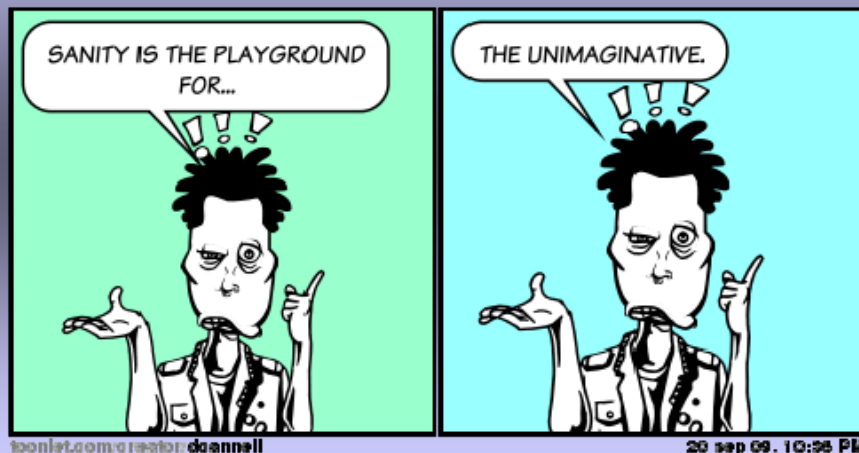
Ain't technology grand?

Ray

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Ray's Rules:

➤ **Focus on big ideas & be creative!**



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Ray's Rules:

➤ **Focus on big ideas & be creative!**

➤ **Tell the history of the ideas involved.**



Ray Huey already
thought of it

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Ray's Rules:

- Focus on big ideas & be creative!
- Tell the history of the ideas involved.
- Cite strategically (and in a "politically correct" fashion).
- Always analyze your data in at least two ways for two different papers.
- If you get a paper rejected, immediately revise and resubmit to a better journal!
- Never start sentences with "There are..." or "In order..."

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Ray's Rules:

- Publish as often as you have something worth publishing.
- Turn every disadvantage into an advantage.
- Pick good collaborators.
- Keep your old data: you never know when they might be useful!
- Keep your eyes open to the possibilities...

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Natural Selection for Juvenile Lizards Mimicking Noxious Beetles

Abstract. Adult *Eremias lugubris* in southern Africa are concealingly colored and move with a typical lizard gait, but the jet-black and white juveniles are conspicuous and forage actively with arched backs. In color, gait, and size, juveniles mimic "oog-pister" beetles (Carabidae: Anthia) that spray an acidic, pungent fluid when molested. This unique mimicry, which is believed to be the first reported case of a terrestrial vertebrate mimicking an invertebrate, seems to reduce predation on juvenile lizards.



RAYMOND B. HUEY
Museum of Vertebrate Zoology and
Department of Zoology, University of
California, Berkeley 94720
ERIC R. PIANKA
Department of Zoology, University of
Texas, Austin 78712



1977. Science 195:201-203.

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Life & Style:

- When you go to a new rib joint, always ask to taste their sauce before committing.



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Life & Style:

- How to grow a beard (but Ted already had one)



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Life & Style:

- How to fully enjoy field work

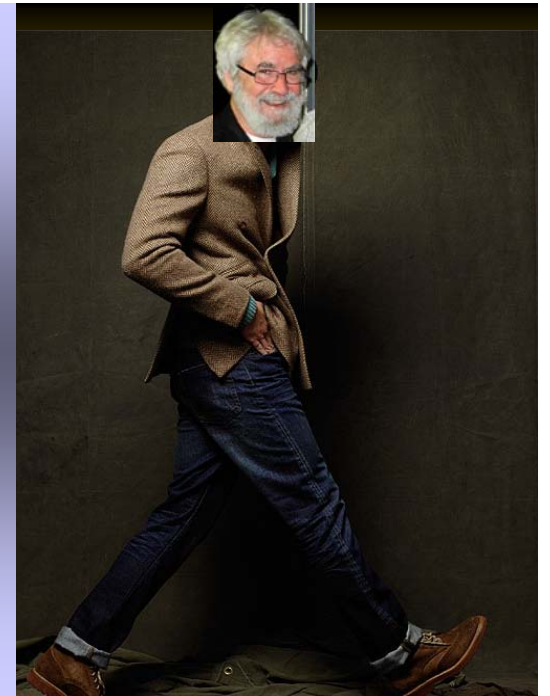


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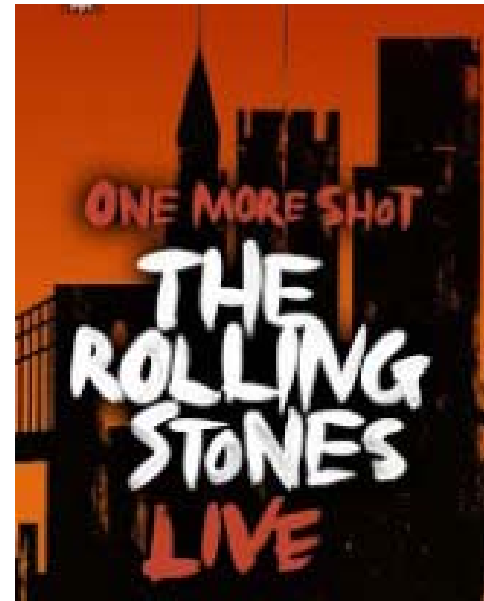
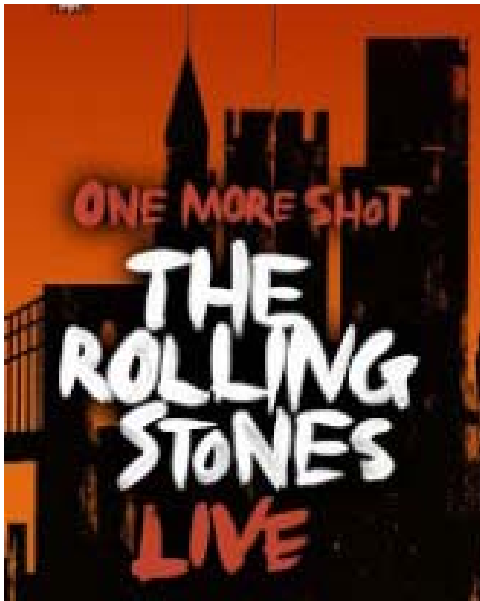
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Life & Style:

- How to rock a tweed jacket (with jeans)



Fast-forward to nowish...



*and
Keith
Richards!*





A productive lifespan that rivals the vinyl record!



In the end...



A new beginning...

**"After all is said and done
Gotta move while it's still fun..."**

**Keith Richards: "Before They Make Me Run"
featured on the 1978 Rolling Stones album "Some Girls"**

Sunrise in
Riverside, CA