

# Association of Marine Laboratories of the Caribbean Founder's Award Named in Honor of and First Presented to Dr. Juan A. Rivero

*Contributed by  
Lucy Bunkley-Williams and Ernest H. Williams, Jr.*

Shortly before Bert and I were honored by the Association, the Association of Marine Laboratories of the Caribbean Newsletter stated that we “founded” the Association. We quickly attempted to correct this fabrication since I was only 7-years-old at the time of the first AIMLC Meeting and was in Japan snorkeling. We now have the honor of presenting an award to the real founder of the AMLC, a remarkable scientist and distinguished scholar and academician, Dr. Juan A. Rivero.



Dr. Rivero is a Founding Father of some renown. Besides founding the AIMLC, he founded one of our institutional member labs, the Institute of Marine Biology in the Biology Department of the College of Agricultural and Mechanical Arts (CAAM) in 1954 and helped it develop into our Department of Marine Sciences in the University of Puerto Rico at Mayagüez in 1968. Dr. Rivero also founded the Puerto Rico Zoological Garden in 1954, which was renamed in his honor in 1998; the Zoological Society of Puerto Rico in 1960; a local television program “Ciencia al dia”

[Science up to date] that he ran

for 14 years; and is working on founding a new botanical garden between his Zoo and the new Biology Building.

The 50<sup>th</sup> Anniversary of the Association of Marine laboratories of the Caribbean is a highly auspicious occasion to honor Dr. Rivero especially since this year coincides with his 60<sup>th</sup> year of service at the University of Puerto Rico. During his “two” careers at UPRM, he has been able to watch his AMLC progress and develop over half a century.

Dr. Rivero held and supported the organizational meeting in 1957 and supported the travel of the participants with Office of Naval Research funds. His concept of an Inter-Island Marine Biological Conference became the “Association of Island Marine Laboratories of the Caribbean” and only much later the “Association of Marine Laboratories of the Caribbean.” He also provided a base of operations for 12 years for the AIMLC and one of his Professors, Dr. Juan G. González, as the first Secretary-Treasurer (Williams and Bunkley-Williams 2008).



UNDO, SAN JUAN, P. R. — MARTES 14 DE OCTUBRE DE 1958.



Los delegados de Puerto Rico a la conferencia de biología marina cambian impresiones con el doctor William Sutcliffe, director de la Estación

Biológica de Bermúdez. De izquierda a derecha: doctor R. E. Coker, doctor William Sutcliffe, doctor Juan A. Rivero y Gerardo González.

*Dr. Juan A. Rivero*

## Preside Asociación Laboratorios Marinos

MAYAGUEZ, (por E. Rosado Báez)—El doctor Juan A. Rivera, del Instituto de Biología Marina de la Universidad de Puerto Rico, fue electo presidente de la Asociación de Laboratorios Marinos, en reunión celebrada en Bermúdez. Otros miembros de la directiva son: doctor William Sutcliffe, de Bermúdez, primer vicepresidente, el doctor Jacques Zaneveld, de Curazao; Gerardo González, secretario-tesorero, de Puerto Rico. Otros miembros: doctor Luis Howell Rivero, R. E. Coker, David Steven.

La Asociación de Laboratorios Marinos es una organización internacional de carácter científico, cuyos propósitos primordiales son el estudio de los recursos marinos, la vida en el mar en su aspecto científico y el auspicio de proyectos de in-

vestigación sobre ciencias marinas.

De 18 trabajos ofrecidos a los delegados sobre diversas investigaciones realizadas por los miembros de la entidad, 6 correspondieron a Puerto Rico. Los trabajos mencionados fueron suscritos por Ramón Margalef, Gerardo González, Juan A. Rivero, y Paul y Lillian Burkholder. Solamente pueden pertenecer a esta Asociación Laboratorios Marinos debidamente reconocidos con sede en islas donde se lleven a cabo trabajos de investigación los siguientes científicos: doctor Luis Rivas y Felipe Martín, de Venezuela; David Menzel, Raymundo MacAllister y el coronel Ellito Stevens, de Bermúdez; John Vernberg, de Duke; Gerardo González de Puerto Rico; y Alexander Ivanoff, del Museo

de Historia Natural de París.

Los 20 delegados fueron huéspedes la Estación de Investigaciones Biológicas de Bermúdez, y su director, el doctor William Sutcliffe y de los señores J. W. Sykes, y William E. S. Zull



Juan A. Rivero was born 5 March 1923 in Santurce, Puerto Rico. He received a BS in the College of Agricultural and Mechanical Arts, Mayagüez in 1945; and MS and PhD degrees at Harvard University in 1951 and 1953, respectively. He was briefly inducted in the U.S. Army in 1945, but discharged in May 1946, after WWII ended. He was hired in the Institute of Tropical Agriculture as an Assistant Plant Physiologist in June 1946, and in the Biology Department in January 1947. Dr. Rivero was an Instructor from 1947 through 1953, an Assistant Professor (1953-1954), Associate Professor (1954-1958), received tenure in 1954, and Professor (1958-present). His research specialty is herpetology especially the zoogeography of neotropical frogs and taxonomy (naming 1 genus, 119 species, and 4 subspecies of amphibians and reptiles [Appendix 1]). He taught Animal Behavior, Biology of Sex, Evolution, Herpetology, Comparative Vertebrate Anatomy, Physiology, Systematics, and Graduate Seminar. Dr. Rivero enjoys teaching and is quite good at it. His courses are academically rigorous, but extremely popular with the students. Historically, few other professors have been such a teaching asset for such a long period of time. He was Director of the Department of Biology from 1959 through 1960, Director of the Institute of Marine Biology from 1954 through 1962, Dean of the College of Arts and Sciences in 1962 through 1966, President of the Association of Island Marine Laboratories of the Caribbean in 1957; Director of the Zoological Garden from 1954 through 1963. He received major grant funding from the Office of Naval Research to support the Institute of Marine Biology from 1954 through 1962, create and support the Association of Island Marine laboratories of the Caribbean, bring in famous visiting professors and support summer programs, and support oceanographic cruises; and National Academy of Sciences funding to support herpetological studies in South America. For the first 21 years with only three able to claim that honor (Rafael Joglar 1977-81, Fernando Bird 1980-83, and Rinaldo García 1981-86). He has published 108 scientific and popular papers and 17 books. He has been honored by receiving a Guggenheim Fellowship in 1970, First Prize from the Institute of Puerto Rican Literature in 1979, Distinguished Participant of the Congress of Latin American Zoology in 1980, Distinguished Investigator UPRM in 1985, Distinguished Professor UPRM in 1987, and the only Professor in UPRM to ever have a reserved parking place and his own private secretary. Fourteen of new animal species, including Rivero's coqui, have been named in his honor (Table 1):



**Table 1. Species of Animals Named in Honor of Juan Rivero**

Scientific name Author, Common Name

Synonyms(s)

- Atractus riveroi* Roze, 1961, Rivero's Ground Snake  
*Ballophilus riveroi* Chamberlin, 1950, Rivero's Centipede  
*Cochranella riveroi* (Ayarzagüena, 1992), Rivero's Cochran Frog  
    *Centrolenella riveroi* Ayarzagüena, 1992  
*Dendropsophus riveroi* (Cochran and Goin, 1970), Rivero's Tree Frog  
    *Hyla riveroi* Cochran and Goin, 1970  
*Eleutherodactylus juanriveroi* Rios-López and Thomas, 2007, Juan A. Rivero's Coqui  
*Geomelania riveroi* Clench, 1962, Rivero's Elongate Snail  
*Glomeridesmus riveroi* Chamberlin, 1950, Rivero's Millipede  
*Hemitrochus riveroi* Turner, 1958, Rivero's Flat Snail  
*Leptodactylus riveroi* Heyer and Pyburn, 1983, Rivero's White-lipped Frog  
*Mannophryne riveroi* (Donoso Barros, 1965), Rivero's Poison Dart Frog  
    *Colostethus riveroi* of Edwards, 1971  
    *Prostherapis riveroi* Donoso-Barros, 1965  
    *Prostherapis riveroi* of Donoso-Barros, 1965  
*Marshallela riveroi* Ramos, 1989, Rivero's Treehopper  
*Pristimantis riveroi* (Lynch and La Marca, 1993), Rivero's Coqui  
    *Eleutherodactylus riveroi* Lynch and La Marca, 1993  
*Processa riveroi* Manning and Chace, 1971, Rivero's Shrimp  
*Stefania riveroi* Señaris, Ayarzagüena and Gorzula, 1997, Rivero's Marsupial Frog.

### Dr. Rivero's Comments on Receiving the Award



It is with great humility and pride that I accept the distinction that has been awarded me today, 50 years after the foundation of this organization. There is a time in life when you have to stop saying "I am" and should start saying "I was." The type of recognition bestowed upon me today has the laudatory effect of

revitalizing my energy and of making me believe that I still am. Thanks for strengthening that illusion.

Perhaps most of you are knowledgeable of the fact that around the forties the U.S. Navy had some difficulty in explaining the distortion of sonar waves during the afternoon hours. It was thought, with some justification, that marine organisms were somehow interfering with the transmission of the sound waves, and this led to the recruitment of three marine scientists, Ewing, Worzel, and Lamar, in the hope of identifying and solving the problem. Ewing and his colleagues promptly discovered that temperature has the effect of flexing the sound waves, creating a shadow area where the waves cannot be detected. This discovery had important implications. A submarine hidden in the shadow area could not be detected by the enemy.

At the end of World War II, the Navy was well convinced of the importance of oceanographic studies, and created the Office of Naval Research (ONR), with generous funds to sponsor research and teaching in the marine sciences. The late 1950s and 1960s were thus among the most exciting in the study of these disciplines. There were plenty of funds, provided by the Navy, and practically no restrictions on their use. Woods Hole, Scripts, and Lamont were the main beneficiaries, but the Institute of Marine Biology of the University of Puerto Rico, now Department of Marine Sciences, received adequate financial support. The Director of ONR was Sidney Galler, a man so revered and flattered at the time that there was no meeting, social or academic, where you could have access to him, so close was the circle of people trying to get a share of his financial attention. But Sidney was married at the time to a Puerto Rican lady and this event may have helped to put us in contact. Not only did ONR, together with the University of Puerto Rico, sponsor the first meeting of the Association, covering the expenses of all participants, but also supported, for several years, an international summer course in the marine sciences, and indirectly, my participation in the Vema (Lamont) Oceanographic Expedition of 1958.

The distinction conferred to me as founder of the Association should not correspond solely to me. Sid Galler, who I have not seen since then, deserves the distinction as much as I do. The idea was concocted by both of us, although for obvious reasons, I had to put it into effect.



The first meeting of the Association of Island Marine Laboratories, as it was then called, was held at La Parguera, Puerto Rico between March 31 and April 5, 1957. The Bellairs Research Institute of McGill University in Barbados was represented by its Director, John Lewis; the Bermuda Station by Bill Sutcliffe, Director, and Louis Mowbray, Vice Chairman of the Board and Director of the Aquarium; the Bimini or Lerner Station by A. E. Parr, Director of the American museum of Natural History, Norman Newell, Curator of Invertebrate Paleontology, and Francesca LaMonte, Associate Curator of Fishes; and David Steven and Tom Goreau represented the Marine Laboratory of the University College of the West Indies in Jamaica. I had the great pleasure yesterday of greeting Tom's son who I had not seen since he was a child about 48 years ago. The Curaçao Marine Station was represented by its Director, Jacques Zaneveld; there were three Cuban representatives, Jorge Rodríguez Walling from the Universidad José Martí, Manuel Díaz Piferrer from Universidad de Oriente, and José Suarez Caabro from Universidad de Villanueva; and the University of Puerto Rico had three representatives, myself as the Director of the Institute of Marine Biology, Germaine Warmke our Curator of Mollusks, and R. E. Coker our Biological r.

Although the By-Laws of the Association were not structured until the second meeting in Bermuda, the objectives were outlined from the beginning: [1] to establish personal as well as official relations among chief staff members of island laboratories that have, to a great extent, common problems of administration, support, and procedures; [2] to explore potentialities and opportunities for cooperation among island laboratories and between island and continental laboratories; [3] to consider together the most practical needs and techniques for research in tropical marine biology adapted to small laboratories in the warmer areas; and [4] to discuss plans for stimulation of interest in studies of the sea among high school and college students and for a program of public education respecting the importance of biological and oceanographic studies.

There were eight panel sessions in which each of these topics was discussed, an illustrated presentation of the laboratories by their respective Directors, a final administrative session in which, among other things, the Association thanked and expressed its strong conviction "that in making possible this highly stimulating and educational gathering the Office of Naval Research had rendered a real service to the advancement of marine biology and other studies of the sea" and finally, a presentation of papers. It should be emphasized that in no case did ONR try to pressure or influence any laboratory or its members into conducting research that could be of military use.

I wouldn't say much about the second meeting of the Association in Bermuda, except to add the names of the new participants: Ivan Goodbody from Jamaica; Juan G. González from Puerto Rico; Carlos González Nuñez from the Dominican Republic; Luis Rivas and Felipe Martin from the projected La Salle Station at Isla Margarita; and David Menzel and W. E. Steven from Bermuda.

Juan Gerardo González and I are among the few survivors of the first encounters.<sup>1</sup> We are among those who believe that the path is more interesting than the arrival, the journey is more important than the destination, and have survived the misdemeanors of a world aflame. The request of the poet, who asked for the world to be stopped because he wanted to get off, is making sense to a good number of people. The conflict between

ideologies seems to be a requirement for the progress of civilization. It is very painful indeed, to accept that progress can only be achieved by way of disputes, hate, suffering, and death, but if we take a look into history we will notice that man has only enjoyed very short periods of peace and tranquility. Even the Pax Romana, which gave a name to a period of world history, was only peaceful for the inner inhabitants; the rest of the Roman Empire was ardent with conflict and bellicosity. But today, as always, the unrest of the world coincides with the silent effort of people like you, the workers of science and civilization, who continue unabated with their efforts and endeavors. The Association of Marine Laboratories of the Caribbean, its goals intact and the camaraderie and affection of its members untouched by the outside thunder, serves well to buffer some of the pernicious effects of this world in crisis. For that, its 50 years of existence should be a matter of joy and satisfaction for all. If I had a cup of wine, I would certainly toast for its continuous and prosperous existence.



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<sup>1</sup>Many of the participants in the first meeting, or the “Founding Fathers” as Ivan Goodbody called them, have passed away. Bert was able to contact Germaine Warmke as part of our preparations for this meeting and for the Second IMB/DMS Reunion.

## Dr. Rivero’s Publications

### Books

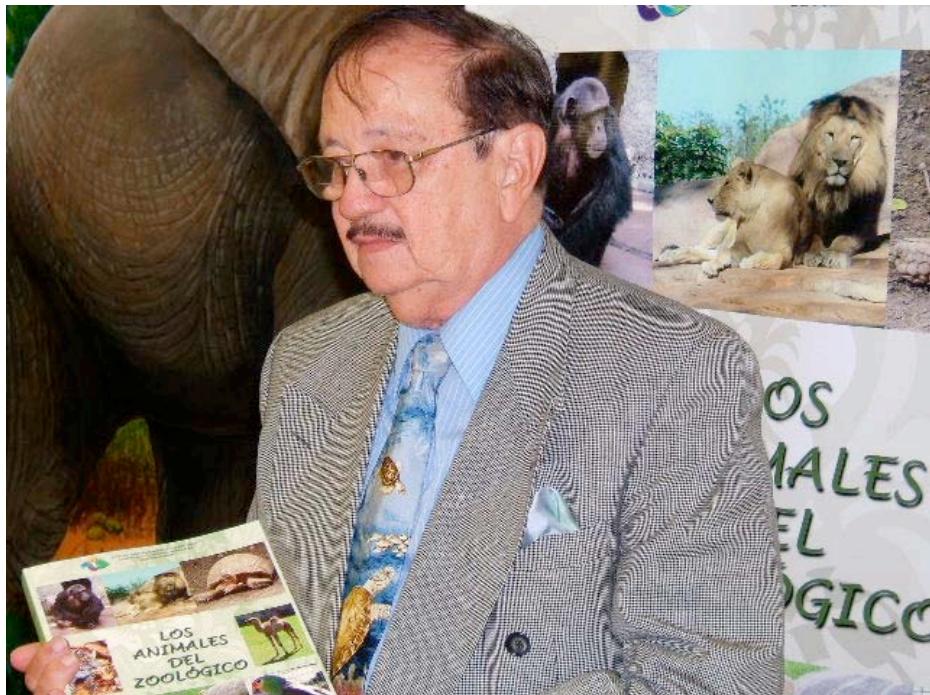
- Rivero, J. A. 1976. *Principios de conducta animal*. Universidad de Puerto Rico, Mayagüez, Puerto Rico, ii + 179 pp. [bound Xerox textbook]
- Rivero, J. A. 1978. *Los anfibios y reptiles de Puerto Rico/The amphibians and reptiles of Puerto Rico*. Editorial Universitaria. Universidad de Puerto Rico, Mayagüez, Puerto Rico. 152 pp. & 49 plates. [1998. Second Edition Revised, 510 pp. & CD]

- Rivero, J. A. 1994. El Coqui Dorado de Puerto Rico y otras ranas de hábitos reproductivos peculiares. First Book Publishing of P. R., Mayagüez, Puerto Rico, iii + 48 pp.
- Rivero, J. A. 1997. Principios de evolución orgánica. Part II. J. A. Rivero, Mayagüez, Puerto Rico, ii + 181-298 [2000. Second Edition, University of Puerto Rico Press, Mayagüez, Puerto Rico, x + 472 pp.]
- Rivero, J. A. 1998. Los machos, las hembras y los intersexos. University of Puerto Rico Press, Mayagüez, Puerto Rico, vii + 226 pp.
- Rivero, J. A. 1998. Los helechos platicerios cuernos de alce. Sociedad de Horticultura de Oeste, Mayagüez, Puerto Rico, iii + 83 pp.
- Rivero, J. A. 1999. Expedición de la Universidad de Puerto Rico a las Selvas del Alto Orinoco, Venezuela, 1950. University of Puerto Rico Press, Mayagüez, Puerto Rico, 203 pp.
- Rivero, J. A. 1999. Las llamadas del sexo. J. A. Rivero, Mayagüez, Puerto Rico, iv + 52 pp.
- Rivero, J. A. 1999. Biología del sexo. J. A. Rivero, Mayagüez, Puerto Rico, viii + 358 pp.
- Rivero, J. A. 2000. El dolor de la espalda baja: de paciente a paciente. La Editorial, Universidad de Puerto Rico, San Juan, Puerto Rico, x + 131 pp.
- Rivero, J. A. 2004. Los animales del Zoológico Dr. Juan Rivero. Compañía de Parques Nacionales, Mayagüez, Puerto Rico, 359 pp.
- Rivero, J. A. 2006. Guía para la identificación de lagartos y culebras de Puerto Rico. La Editorial, Universidad de Puerto Rico, San Juan, Puerto Rico, 139 pp. +1 table.
- Rivero, J. A. 2006. Ladrillos: escritos de Juan A. Rivero. J. A. Rivero, Talleres Gráficos, Imprenta San Rafael, Quebradillas, Puerto Rico, xvi + 254 pp.
- Rivero, J. A. and B. R. Brunner. 2005. Arboles frutales exóticos y poco conocidos en Puerto Rico. La Editorial, Universidad de Puerto Rico, San Juan, Puerto Rico, xii + 357 pp.
- Rivero, J. A. and D. Seguí Crespo. 1992. Anfibios y reptiles en nuestro folklore: Todo sobre coquí, el sapo concho, el lagarto verde y el culebrón. J. A. Rivero, Imprenta San Rafael, Quebradillas, Puerto Rico, iv + 98 pp.
- Rivero, J. A. and D. Seguí Crespo. 1997. Los coquies de Puerto Rico. J. A. Rivero, Talleres Gráficos, Imprenta San Rafael, Quebradillas, Puerto Rico, v + 27 pp.
- Rivero, J. A. with D. A. Kolterman. 2008. El libro de las hojas: Hojas distinguidas/The book of leaves: Distinguished leaves. La Editorial, Universidad de Puerto Rico, San Juan, Puerto Rico, ix + 206 pp.

**Scientific Papers** [Those with issue numbers begin page numbers from 1 in each issue instead of in each volume. Years in quotes represent the year of publication noted in the journal, but the year following in parenthesis is the actual year of publication.]

- Burkholder, P. R., L. M. Burkholder and J. A. Rivero. 1959. Some chemical constituents of Turtle Grass, *Thalassia testudinum*. Bulletin of the Torrey Botanical Club 86: 88-93.
- Burkholder, P. R., L. M. Burkholder and J. A. Rivero. 1959. Chlorophyll A in some corals and marine plants. Nature 183: 1338-1339.

- Duellman, W. E. and J. A. Rivero. 1971. *Rana boans* Linnaeus, 1758 (Amphibia): Request for placement on the official list of specific names in Zoology. Z.N.(S.) 1957. Bulletin of Zoological Nomenclature 28: 117-118.
- Joglar, R. L. and J. A. Rivero. 1986. Sinonimia de *Eleutherodactylus ramosi* Rivero. Caribbean Journal of Science 22: 123.
- Odum, H. T., P. R. Burkholder and J. A. Rivero. 1959. Measurements of productivity of Turtle Grass flats, reefs, and the Bahía Fosforecente of southern Puerto Rico. Publications of the Institute of Marine Science, University of Texas, Port Aransas 6: 159-170.
- Péfaur, J. E. and J. A. Rivero. 1989. Biogeografía de la herpetofauna venezolana. Resúmenes I Congreso Latinoamericano de Ecología, 7 pp.
- Péfaur, J. E. and J. A. Rivero. 2000. Distribution, species-richness, endemism, and conservation of Venezuelan amphibians and reptiles. Amphibian and Reptile Conservation 2: 42-70.
- Rivero, J. A. 1959. Two new species of *Eleutherodactylus* from Puerto Rico. Breviora (103): 1-6.
- Rivero, J. A. 1961. Salientia of Venezuela. Bulletin of the Museum of Comparative Zoology 126(1): 208 pp., 13 figs., 1 pl. [Reprinted 1972].



- Rivero, J. A. 1963. *Eleutherodactylus hedricki*, a new species of frog from Puerto Rico (Salientia, Leptodactylidae). Breviora (185): 1-7.
- Rivero, J. A. 1963. The distribution of Venezuelan frogs. I. The Maracaibo Basin. Caribbean Journal of Science 3: 7-15.
- Rivero, J. A. 1963. The distribution of Venezuelan frogs. II. The Venezuelan Andes. Caribbean Journal of Science 3: 87-102.
- Rivero, J. A. 1963. The distribution of Venezuelan frogs. III. The Sierra de Perija and the Falcon Region. Caribbean Journal of Science 3: 197-200.

- Rivero, J. A. 1963. *Hyla ginesi*, a new name for *Hyla loveridgei* Rivero. Caribbean Journal of Science 3: 28.
- Rivero, J. A. 1963. Five new species of *Atelopus* from Colombia, with notes on other species from Colombia and Ecuador. Caribbean Journal of Science 3: 103-124.
- Rivero, J. A. 1963. La productividad del mar. Revista de Agricultura de Puerto Rico 50: 4-18 [reprinted 1965].
- Rivero, J. A. 1964. Salientios (Amphibia) en la Colección de la Sociedad de Ciencias Naturales La Salle de Venezuela. Caribbean Journal of Science 4: 297-306.
- Rivero, J. A. 1964. The distribution of Venezuelan frogs. IV. The coastal range. Caribbean Journal of Science 4: 307-320.
- Rivero, J. A. 1964. The distribution of Venezuelan frogs. V. The Venezuelan Guayana. Caribbean Journal of Science 4: 411-420.
- Rivero, J. A. 1964. The distribution of Venezuelan frogs. VI. The Llanos and Delta Region. Caribbean Journal of Science 4: 491-496.
- Rivero, J. A. 1965. Notes on the Andean salientian (Amphibia) *Atelopus ignescens* (Cornalia). Caribbean Journal of Science 5: 137-140.
- Rivero, J. A. 1966. Notes on the genus *Cryptobatrachus* (amphibia: Salientia) with the description of a new race and four new species of a new genus of hylid frogs. Caribbean Journal of Science 6: 137-149.
- Rivero, J. A. 1966. Más ciencias para el humanista. Boletín Academia Artes y Ciencias de Puerto Rico 2: 285-294.
- Rivero, J. A. 1967. Adiciones recientes a la fauna anfibio de Venezuela. Memoria de la Sociedad de Ciencias Naturales La Salle 27: 5-10.
- Rivero, J. A. 1967. Anfibios coleccionados por la expedición Franco-Venezolana al Alto Orinoco 1951-1952. Caribbean Journal of Science 7: 145-154.
- Rivero, J. A. 1967. A new race of *Otophryne robusta* Boulenger (Amphibia: Salientia) from the Chimanta-Tepui of Venezuela. Caribbean Journal of Science 7: 155-158.
- Rivero, J. A. 1968. More on the *Atelopus* (Amphibia, Salientia) from western South America. Caribbean Journal of Science 8: 19-29.
- Rivero, J. A. 1968. A new species of *Eleutherodactylus* (Amphibia, Salientia) from the Guayana region, Edo. Bolívar, Venezuela. Breviora (306): 1-11.
- Rivero, J. A. 1968. A new species of *Hyla* (Amphibia, Salientia) from the Venezuelan Guayana. Breviora (307): 1-5.
- Rivero, J. A. 1968. Los centrolénidos de Venezuela (Amphibia, Salientia). Memoria de la Sociedad de Ciencias Naturales La Salle 28: 301-334.
- Rivero, J. A. 1968. El problema de *Leptodactylus rhodomystax* Boulenger (Amphibia: Salientia). Memoria de la Sociedad de Ciencias Naturales La Salle 28: 145-150.
- Rivero, J. A. 1968. Sobre la identidad de *Hyla rostrata* Peters (Amphibia, Salientia). Acta Biologica Venezolica (Instituto de Zoología Tropical de la Facultad de Ciencias de la Universidad Central de Venezuela) 6(3-4): 133-138.
- Rivero, J. A. 1968. A new species of *Elosia* (Amphibia, Salientia) from Mt. Duida, Venezuela. American Museum Novitates (2334): 1-9.
- Rivero, J. A. 1968. Ensayo sobre las artes y las ciencias. Boletín Academia Artes y Ciencias de Puerto Rico 4(2): 59-78.
- Rivero, J. A. 1969. A new name for *Sphaenorhynchus aurantiacus* (Daudin) (Amphibia, Salientia). Copeia 1969: 700-703.

- Rivero, J. A. 1969. Sobre la *Hyla rubra* Laurenti y la *Hyla x-signata* Spix (Amphibia, Salientia). Memoria de la Sociedad de Ciencias Naturales La Salle 29: 109-118.
- Rivero, J. A. 1969. On the identity and relationships of *Hyla luteocellata* Roux (Amphibia, Salientia). Herpetologica 25: 126-134.
- Rivero, J. A. 1969. Nota sobre *Atelopus carinatus* Andersson y *Atelopus palmatus* Andersson (Amphibia, Salientia). Memoria de la Sociedad de Ciencias Naturales La Salle 29: 142-145.
- Rivero, J. A. 1969. A new species of *Hyla* (Amphibia, Salientia) from the region of Páramo de Tamá, Venezuela. Caribbean Journal of Science 9: 145-150.
- Rivero, J. A. 1970. On the origin, endemism and distribution of the genus *Stefania* Rivero (Amphibia: Salientia) with a description of a new species from southeastern Venezuela. Boletín de la Sociedad Venezolana de Ciencias Naturales 28(117-118):456-481.
- Rivero, J. A. 1971. Tres nuevos récords y una nueva especie de anfibios de Venezuela. Caribbean Journal of Science 11: 1-9.
- Rivero, J. A. 1971. Notas sobre los anfibios de Venezuela. I. Sobre los hílidos de la Guayana Venezolana. Caribbean Journal of Science 11: 181-193.
- Rivero, J. A. 1971. Un nuevo e interesante *Dendrobates* (Amphibia, Salientia) del Cerro Yapacana de Venezuela. Kasmera (Publicación del Universidad del Zulia) 3: 389-396.
- Rivero, J. A. 1972. On *Atelopus oxyrhynchus* Boulenger (Amphibia, Salientia), with the description of a new race and a related new species from the Venezuelan páramos. Boletín de la Sociedad Venezolana de Ciencias Naturales 29: 600-612.
- Rivero, J. A. 1972. La ranita "más elevada" de Venezuela. Natura (Revista Trimestral de Divulgación Científica, Technical y Cultural. Sociedad de Ciencias Naturales La Salle) (48-49): 35-36.
- Rivero, J. A. 1973. Problemas científicos y tecnológicos y responsabilidad social. Pages 81-89 In: E. B. Rivero y B. Cores Trasmonte (Eds.) Introducción as las ciencias sociales: Antología de lecturas. Volume II. Política y economía. Serie de Estudios Sicológicos. Número 3. Universidad de Puerto Rico, Mayagüez, Puerto Rico.
- Rivero, J. A. 1974. Sobre la responsabilidad social del científico. Boletín de la Academia de Artes y Ciencias de Puerto Rico 10: 209-221.
- Rivero, J. A. "1976" (1978). Notas sobre los anfibios de Venezuela. II. Sobre los *Colostethus* de los Andes Venezolanos. Memoria de la Sociedad de Ciencias Naturales La Salle 35: 327-344.
- Rivero, J. A. "1978" (1980). Notas sobre los anfibios de Venezuela. III. Nuevos *Colostethus* de los Andes Venezolanos. Memoria de la Sociedad de Ciencias Naturales La Salle 38: 95-111.
- Rivero, J. A. 1979. Sobre el origen de la fauna paramera de anfibios Venezolanos. Pages 165-175 In: M. L. Salgado-Labouriau (Ed.) El Medio Ambiente Páramo. Actas Seminario Mérida, Mérida, Venezuela.
- Rivero, J. A. "1980" (1984). Notas sobre los anfibios de Venezuela. IV. Una nueva especie de *Aletopus* (Amphibia, Bufonidae) de los Andes, con anotaciones sobre el posible origen del género en Venezuela. Memoria de la Sociedad de Ciencias Naturales La Salle 40: 129-139.

- Rivero, J. A. "1980" (1982). Anfibios neotropicales: Orígen y distribución. Pages 91-122 In: P. J. Salinas (Ed.) *Zoologica Neotropical*. Actas del VIII Congreso Latinoamericano de Zoología. Volomen 1. Mérida, Venezuela.
- Rivero, J. A. 1982. Sobre el *Colostethus mandelorum* (Schommidt) y el *Colostethus inflexus* Rivero (Amphibia, Dendrobatidae). Memoria de la Sociedad de Ciencias Naturales La Salle 42: 9-16.
- Rivero, J. A. 1982. Los *Eleutherodactylus* (Amphibia, Leptodactylidae) de los Andes Venezolanos. I, Especies del Páramo. Memoria de la Sociedad de Ciencias Naturales La Salle 42: 17-56.
- Rivero, J. A. 1982. Los *Eleutherodactylus* (Amphibia, Leptodactylidae) de los Andes Venezolanos. II, Especies sub-parameras. Memoria de la Sociedad de Ciencias Naturales La Salle 42: 57-132.
- Rivero, J. A. "1983" (1985). Sobre las relaciones y el origen de los *Eleutherodactylus* (Amphibia, Leptodactylidae) andinos de Venezuela. Pages 199-204 In: Informe Final IX CLAZ Perú, VIII Congreso Latinoamericano de Zoología, Arequipa, Perú [same as 1984. Carib. J. Sci. 20: 139-144].
- Rivero, J. A. 1984. Una nueva especie de *Colostethus* (Amphibia, Dendrobatidae) de la Cordillera de la Costa, con anotaciones sobre otros *Colostethus* de Venezuela. *Brenesia* (Museo Nacional de Costa Rica) 22: 51-56.
- Rivero, J. A. 1984. Una nueva especie de *Eleutherodactylus* (Amphibia, Leptodactylidae) cabezón de Antioquia, Colombia. *Caribbean Journal of Science* 20: 101-103.
- Rivero, J. A. 1984. Sobre las relaciones y el origen de los *Eleutherodactylus* (Amphibia, Leptodactylidae) andinos de Venezuela. *Caribbean Journal of Science* 20: 139-144.
- Rivero, J. A. 1984. Notas sobre los anfibios de Venezuela IV. Una nueva especie de *Atelopus* (Amphibia: Bufonidae) de los Andes, con anotaciones sobre el posible origen del género en Venezuela. Memoria de la Sociedad de Ciencias Naturales La Salle 40: 129-139.
- Rivero, J. A. 1985. Nuevos centrolénidos de Colombia y Venezuela. *Brenesia* (Museo Nacional de Costa Rica) 23: 335-373.
- Rivero, J. A. 1986. Descripción de una nueva especie *Eleutherodactylus* (Amphibia, Leptodactylidae) del subgrupo Myersi, con anotaciones sobre las relaciones y el origen de ese grupo de especies. *Caribbean Journal of Science* 22: 107-114.
- Rivero, J. A. 1986. Selección sexual e inversión parental en los animales y en el hombre. *Boletín de Lima* (Revista Científica Cultural del Perú Geografía Arqueología) (48): 91-95.
- Rivero, J. A. 1987. Los anfibios anuros de Perú. *Boletín de Lima* (Revista Científica Cultural del Perú Geografía Arqueología) 49: 10-25.
- Rivero, J. A. "1988" (1990). Sobre las relaciones de las especies del género *Colostethus* (Amphibia, Dendrobatidae). Memoria de la Sociedad de Ciencias Naturales La Salle 48: 3-32.
- Rivero, J. A. 1991. New *Colostethus* (Amphibia, Dendrobatidae) from South America. *Breviora* (493): 1-28.
- Rivero, J. A. 1991. New Ecuadorean *Colostethus* (Amphibia, Dendrobatidae) in the collection of the National Museum of Natural History, Smithsonian Institution. *Caribbean Journal of Science* 27: 1-22.

- Rivero, J. A. 1991. Divagaciones sobre las especies de coquíes en peligro de extinción y las causas posibles de esa situación. Pages 54-55 In: J. A. Moreno (Ed.) Status y distribución de los reptiles y anfibios de la región de Puerto Rico. Publicación Científica Miscelánea Número 1. Departamento de Recursos Naturales y Ambientales de Puerto Rico.
- Rivero, J. A. and A. Almendáriz. "1991" (1992). La identificación de los *Colostethus* (Amphibia, Dendrobatidae) de Ecuador. Politécnica (Revista de Información Técnico-Científica, Quito, Ecuador) 16: 99-151.
- Rivero, J. A. and C. J. Castaño. 1990. A new and peculiar species of *Ramphophryne* (Amphibia, Bufonidae) from Antioquia, Colombia. Journal of Herpetology 24: 1-5.
- Rivero, J. A. and A. E. Esteves. 1969. Observations on the agonistic and breeding behavior of *Leptodactylus pentadactylus* and other amphibian species in Venezuela. Breviora (321): 1-14.
- Rivero, J. A. and H. Granados Díaz. 1989. Nuevos *Colostethus* (Amphibia, Dendrobatidae) del Departamento de Cauca, Colombia. Caribbean Journal of Science 25: 148-152.
- Rivero, J. A. and H. Granados Díaz. 1993. Nueva especie de *Atelopus* (Amphibia: Bufonidae) del Departamento del Cauca, Colombia. Caribbean Journal of Science 29: 12-17.
- Rivero, J. A. and H. Heatwole. 1979. Herpetogeography of Puerto Rico. VI. A bibliography of the herpetology of Puerto Rico and the Virgin Islands. Smithsonian Herpetological Information Service (43): 1-17.
- Rivero, J. A. and R. L. Joglar. 1979. *Eleutherodactylus cochranae* (Whistling *Eleutherodactylus*; Coqui Pitito) Puerto Rico, USA. Culebra Island. Geographic Distribution. Anura. Herpetological Review 10: 101.
- Rivero, J. A., R. L. Joglar and I. Vazquez. 1982. Cinco nuevos ejemplares del Culebrón de la Mona, *Epicrates m. monensis* (Ophidia: Boidae). Caribbean Journal of Science 17: 7-13.
- Rivero, J. A., J. A. Langone and C. M. Prigioni. 1986. Anfibios anuros colectados por la expedición del Museo Nacional de Historia Natural de Montevideo del Río Caura, Estado Bolívar, Venezuela; con la descripción de una nueva especie de *Colostethus* (Dendrobatidae). Comunicaciones Zoológicas del Museo de Historia Natural de Montevideo 157(11): 1-15.
- Rivero, J. A. and E. Lugo. 1984. Ética en la sistemática. Memoria de la Sociedad de Ciencias Naturales La Salle 44: 217-229.
- Rivero, J. A. and E. Lugo. 1994. Ética en la sistemática. Pages 523-536, Chapter 28 In: J. Llorente Bousquets and I. Luna Vega (Eds.) Taxonomía Biológica. Universidad Nacional Autónoma de Méjico, Fondo de Cultura Económica, Méjico.
- Rivero, J. A., J. Maldonado and H. Mayorga. 1963. On the habits and food of *Eleutherodactylus karlschmidti* Grant. Caribbean Journal of Science 3: 25-27.
- Rivero, J. A. and H. Mayorga. 1963. Notes on the distribution of some Puerto Rican frogs with a discussion on the possible origin of *Eleutherodactylus locustus*. Caribbean Journal of Science 3: 81-85.

- Rivero, J. A. and H. Mayorga. 1973. Un nuevo *Eleutherodactylus* (Amphibia, Salientia) del Páramo de Guaramacal, Estado Trujillo, Venezuela. Caribbean Journal of Science 13: 75-79.
- Rivero, J. A., H. Mayorga, E. Estremera, and I. Izquierdo. 1980. Sobre el *Bufo lemur* (Cope) (Amphibia, Bufonidae). Caribbean Journal of Science 15: 33-40.
- Rivero, J. A. and V. R. Morales. "1992" (1995). Descripción de una especie nuevo *Atelopus* (Anura: Bufonidae) del Departamento del Cauca, Colombia. Brenesia (Museo Nacional de Costa Rica) 38: 29-36.
- Rivero, J. A., L. Oliver and M. A. Irizarry. 1987. Los discos digitales de tres de *Eleutherodactylus* (Anura, Leptodactylidae) de Puerto Rico, con anotaciones sobre los mecanismos de adhesión en las ranas. Caribbean Journal of Science 23: 226-237.
- Rivero, J. A. and D. Seguí. 1996. Sobre la evolución de los discos digitales de las ranas. Pages 77-95 In: J. E. Péfaut (Ed.) Herpetología Neotropical. Actas del II Congreso de Herpetología. Volume 2. Universidad de los Andes, Venezuela.
- Rivero, J. A. and M. A. Serna. 1984. Una nueva *Pseudopaludicola* (Amphibia, Leptodactylidae) cornuda del sureste de Colombia. Caribbean Journal of Science 20: 169-171.
- Rivero, J. A. and M. A. Serna. 1985. Nota sobre el *Atelopus nicefori* Rivero, con la descripción de una nueva especie de *Atelopus* (Amphibia: Bufonidae) de Colombia. Caribbean Journal of Science 21: 79-82.
- Rivero, J. A. and M. A. Serna. 1985. Sobre la identificación de los *Colostethus* (Amphibia, Dendrobatidae) de Colombia. Caribbean Journal of Science 21: 143-153.
- Rivero, J. A. and M. A. Serna. 1986. Dos nuevas especies de *Colostethus* de Colombia. Caldasia (Instituto de Ciencias Naturales, Facultad de Ciencias-Universidad Nacional de Colombia) 15(71-75): 525-531.
- Rivero, J. A. and M. A. Serna. "1987" (1988). Tres nuevas especies de *Eleutherodactylus* (Amphibia, Leptodactylidae) de Antioquia, Colombia. Caribbean Journal of Science 23: 386-399.
- Rivero, J. A. and M. A. Serna. "1988" (1989). La identificación de los *Colostethus* (Amphibia, Dendrobatidae) de Colombia. Caribbean Journal of Science 24: 137-154.
- Rivero, J. A. and M. A. Serna. 1989. Una nueva especie de *Atelopus* (Amphibia: Bufonidae) de Colombia. Caribbean Journal of Science 25: 36-40.
- Rivero, J. A. and M. A. Serna. 1991. Tres nuevas especies de *Colostethus* (Amphibia, Dendrobatidae) de Colombia. Trianea (Acta Científica y Tecnológica INDERENA [Instituto Nacional de los Recursos Naturales Renovables y del Ambiente]) 4: 481-495.
- Rivero, J. A. and M. A. Serna. "1991" (1993). A new species of *Atelopus* (Amphibia, Bufonidae) from Antioquia, Colombia. Brenesia (Museo Nacional de Costa Rica) 36: 15-20.
- Rivero, J. A. and M. A. Serna. "1995" (2000). Nuevos *Colostethus* (Amphibia, Dendrobatidae) del Departamento de Antioquia, Colombia, con la descripción del renacuajo de *Colostethus fraterdanieli*/New species of *Colostethus* (Amphibia,

- Dendrobatidae) of the Department of Antioquia, Colombia, with the description of the tadpole of *fraterdanieli*. Revista de Ecología Latino Americana 2: 45-58.
- Rivero, J. A. and H. Solano. 1977. Origen y evolución *Eleutherodactylus* (Amphibia, Leptodactylidae) de los Andes Venezolanos. Memoria de la Sociedad de Ciencias Naturales La Salle 37: 249-263.
- Williams, E. E., J. A. Rivero, and R. Thomas. 1965. A new anole (Sauria, Iguanidae) from Puerto Rico. Breviora (231): 1-18 [Williams, E. E. and J. A. Rivero. Part I. Description. Pages 1-9, 17-18, within].

## Popular Articles

- Rivero, J. A. 1983. A new clone of *Neoregelia carolinae* 'Medallion'. Journal of the Bromeliad Society 33: 100-101.
- Rivero, J. A. 1984. Bromeliad frogs of Puerto Rico. Journal of the Bromeliad Society 34: 64-67.
- Rivero, J. A. 1984. They write with them: Tillandsias are used to write political slogans in the desert sands of Peru. Journal of the Bromeliad Society 34: 219-220.
- Rivero, J. A. 1989. Two beautiful bromeliad frogs from the Andes of Venezuela. Journal of the Bromeliad Society 39: 26-27.
- Rivero, J. A. 1990. Historia del Jardín Zoológico. Zootemas (Sociedad Zoológico de Puerto Rico) 1: 1-7.
- Rivero, J. A. 1996. Discurso de aceptación de Presidente Honorario del Congresso. Pages 23-26 In: J. E. Péfaur (Ed.) Herpetología Neotropical. Actas del II Congreso de Herpetología. Volume 2. Universidad de los Andes, Venezuela.
- Rivero, J. A. 2002. *Inga spectabilis* and *Inga jinicuil*. Fruit Gardener 34(1): 12-13.
- Rivero, J. A. 2003. Tropical almond: *Terminalia catappa*. Fruit Gardener 35(2): 6.
- Rivero, J. A. 2003. *Chrysophyllum cainito*: the star apple. Fruit Gardener 35(3): 36-37.
- Rivero, J. A. 2003. *Annona reticulata*: Bullock's heart/custard apple. Fruit Gardener 35(5): 18-19.
- Rivero, J. A. 2003. Geographic misnomers. Fruit Gardener 35(6): 19.
- Rivero, J. A. 2004. The Mayagüez mango. Fruit Gardener 36(3): 17.
- Rivero, J. A. 2004. The quenepa or honey berry. Fruit Gardener 36(6): 20-21.
- Rivero, J. A. 2005. The borojó, *Borojoa patinoi*. Fruit Gardener 37(4): 18-19.
- Rivero, J. A. and M. A. Barard. 1983. An interesting association between an ant and a bromeliad. Journal of the Bromeliad Society 33: 7-8, 29.
- Rivero, J. A. and E. B. Rivero. 1987. From Tarapoto to Moyobamba; plant collecting at the edge of the Amazonia. Journal of the Bromeliad Society 37: 147-150.

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Poison Frog, *Minyobates steyermarki*, was used with the permission of the photographer, H. Walter Seil.

## APPENDIX 1: TAXA NAMED BY DR. JUAN A. RIVERO

One new genus, 119 new species, and 4\* new subspecies (\*He actually named more subspecies, but some of these have become species and are listed as such) are listed in alphabetical order. Most of the taxa are frogs and toads, but one anole is included.

*Allobates humulis* (Rivero, 1980), Bacono Rocket Frog [syn. *Colostethus humulis* Rivero, 1980]

*Anolis occultus* Williams and Rivero, 1965, Puerto Rican Twig Anole



*Anomaloglossus shrevei* (Rivero, 1961), Shreve's Rocket Frog [syn. *Colostethus shrevei* (Rivero, 1961); *Prostherapis shrevei* Rivero, 1961]

*Aromobates dumni* (Rivero, 1961), Dunn's Rocket Frog [syn. *Prostherapis dumni* Rivero, 1961]

*Aromobates haydeiae* (Rivero, 1978), El Vivero Rocket Frog [syn. *Colostethus haydeiae* Rivero, 1978; *Nephelobates haydeiae* (Rivero, 1978)]

*Aromobates leopardalis* (Rivero, 1978), Leopard Rocket Frog [syn. *Colostethus leopardalis* Rivero, 1978; *Nephelobates leopardalis* (Rivero, 1978)]

*Aromobates mayorgai* (Rivero, 1980), Mayorga Rocket Frog [syn. *Colostethus mayorgai* Rivero, 1980; *Nephelobates mayorgai* (Rivero, 1980)]

*Aromobates orostoma* (Rivero, 1978), Tachira Rocket Frog [syn. *Colostethus orostoma* Rivero, 1978; *Nephelobates orostoma* (Rivero, 1978)]

*Aromobates saltuensis* (Rivero, 1980), Salty Rocket Frog [syn. *Colostethus saltuensis* Rivero, 1980]

*Atelopus andinus* Rivero, 1986 [syn. *A. pulcher andinus* Rivero, 1986; *A. spumarius andinus* Rivero, 1986]

- Atelopus carbonerensis* Rivero, 1974, La Carbonera Stubfoot Toad [syn. *Atelopus oxyrhynchus carbonerensis* Rivero, 1974]
- Atelopus ebenoides* Rivero, 1963, Huila Stubfoot Toad [possibly extinct, due to chytridiomycosis]
- Atelopus eusebianus* Rivero and Granados Díaz, 1993, Malvaza Stubfoot Toad
- Atelopus galactogaster* Rivero and Serna, 1993, Antado Stubfoot Toad
- Atelopus longibrachius* Rivero, 1963, El Tambo Stubfoot Toad
- Atelopus mucubajensis* Rivero, 1974, Mucubaji Stubfoot Toad
- Atelopus nicefori* Rivero, 1963, Nicefor's Stubfoot Toad
- Atelopus pedimarmoratus* Rivero, 1963, San Isidro Stubfoot Toad
- Atelopus pinangoi* Rivero, 1982, Pinango Stubfoot Toad
- Atelopus sanjosei* Rivero and Serna, 1989, Anori Stubfoot Toad
- Atelopus walkeri* Rivero, 1963, Walker's Stubfoot Toad
- Centrolene altitudinale* (Rivero, 1968), Mountain Giant Glass Frog [syn. *Centrolenella altitudinalis* Rivero, 1968]
- Centrolene andinum* (Rivero, 1968), Andes Giant Glass Frog [syn. *Centrolenella andinum* Rivero, 1968; *Centrolenella lentiginosa* Rivero, 1985]
- Centrolene venezuelense* (Rivero, 1968), Andes Giant Glass Frog [syn. *Centrolenella buckleyi venezuelensis* Rivero, 1968]
- Centrolenella lentiginosa* Rivero, 1985 [= *Centrolene andinum* (Rivero, 1968)]
- Centrolenella loreocarinata* Rivero, 1985 [= *Hyalinobatrachium duranti* (Rivero, 1985)]
- Centrolenella orocostalis* Rivero, 1968 [= *Hyalinobatrachium orientale* (Rivero, 1968)]
- Centrolenella ostracodermoides* Rivero, 1985 [= *Hyalinobatrachium duranti* (Rivero, 1985)]
- Centrolenella pleurolineata* Rivero, 1985 [= *Hyalinobatrachium duranti* (Rivero, 1985)]
- Cochranella megistra* (Rivero, 1985), Urrao Cochran Frog [syn. *Centrolenella megistra* Rivero, 1985]
- Colostethus alacris* Rivero and Granados Díaz, 1990, Finca Primavera Rocket Frog
- Colostethus brachistriatus* Rivero and Serna, 1986, Striped-throated Rocket Frog [syn. *C. brachystriatus* Rivero and Serna, 1989]
- Colostethus cacerensis* Rivero and Serna, 2000 [= *C. inquinalis* (Cope, 1868)]
- Colostethus citreicola* Rivero, 1991 [= *Hyloxalus nexipus* (Frost, 1986)]
- Colostethus dysprosium* Rivero and Serna, 2000
- Colostethus furviventris* Rivero and Serna, 1991
- Colostethus jacobuspetersi* Rivero, 1991, Quito Rocket Frog [syn. *C. torrenticola* Rivero, 1991]
- Colostethus paradoxus* Rivero, 1991 [= *Epipedobates tricolor* (Boulenger, 1899)]
- “*Colostethus*” *poecilonotus* Rivero, 1991, Amazonas Rocket Frog [syn. *Colostethus poecilonotus* Rivero, 1991, genus uncertain]
- “*Colostethus*” *ramirezi* Rivero and Serna, 2000 [syn. *Colostethus ramirezi* Rivero and Serna, 2000, genus uncertain]
- Colostethus sanmartini* Rivero, Langone and Prigioni, 1986, San Martin Rocket Frog
- Colostethus tergoranularis* Rivero, 1991 [= *Hyloxalus pulchellus* (Jiménez de la Espada, 1875)]
- Colostethus torrenticola* Rivero, 1991 [= *C. jacobuspetersi* Rivero, 1991]
- Colostethus yaguara* Rivero and Serna, 1991

- Cryptobatrachus fuhrmanni orientalis* Rivero, 1968 [= *Cryptobatrachus fuhrmanni* (Peracca, 1914)]
- Dendropsophus battersbyi* (Rivero, 1961), Battersby's Treefrog [syn. *Hyla battersbyi* Rivero, 1961]
- Dendropsophus meridensis* (Rivero, 1961), Merida Treefrog [syn. *Hyla vilsoniana meridensis* Rivero, 1961]
- Dendropsophus minusculus* (Rivero, 1971), Rivero's Tiny Treefrog [syn. *Hyla minuscula* Rivero, 1961]
- Dischidodactylus duidensis* (Rivero, 1968), Mount Duida Frog [syn. *Elosia duidensis* Rivero, 1968]
- Eleutherodactylus anae* Rivero, 1986 [= *E. curtipes* (Boulenger, 1882)]
- Eleutherodactylus boconoensis* Rivero and Mayorga, 1973, Bocono Robber Frog
- Eleutherodactylus brachypodus* Rivero, 1961 [= *E. vilarsi* (Melin, 1941)]
- Eleutherodactylus cerasoventris* Rivero, 1984 [= *E. vanadise* La Marca, 1984]
- Eleutherodactylus chlorosoma* Rivero, 1984 [= *E. prolixodiscus* Lynch, 1978]
- Eleutherodactylus conspicillatus guayanensis* Rivero, 1968 [= *E. vilarsi* (Melin, 1941)]
- Eleutherodactylus conspicillatus ileamazonicus* Rivero, 1961 [= *E. vilarsi* (Melin, 1941)]
- Eleutherodactylus dorsopictus* Rivero and Serna, 1988, Sernas Robber Frog
- Eleutherodactylus eneidae* Rivero, 1959, Villalba Robber Frog
- Eleutherodactylus ginesi* (Rivero, 1964), Rangel Robber Frog [syn. *Eupsophus ginesi* Rivero, 1964]
- Eleutherodactylus hedricki* Rivero, 1963, Hendrick's Robber Frog
- Eleutherodactylus johannesdei* Rivero and Serna, 1988, Urrao Robber Frog
- Eleutherodactylus lentiginosus* Rivero, 1984, Guacharaquita Robber Frog
- Eleutherodactylus melanoproctus* Rivero, 1984, Black-marked Robber Frog
- Eleutherodactylus mondolfii* Rivero, 1984, Mondolfi's Robber Frog
- Eleutherodactylus orocostalis* Rivero, 1961 [= *E. bicumulus* (Peters, 1863)]
- Eleutherodactylus paramerus* Rivero, 1984, Paramo Robber Frog
- Eleutherodactylus phragmipleuron* Rivero and Serna, 1988, Sugar Robber Frog
- Eleutherodactylus pleurostriatus* Rivero, 1984, Side-striped Robber Frog
- Eleutherodactylus pulidoi* Rivero, 1984 [= *E. tubernasus* Rivero, 1984]
- Eleutherodactylus pulvinatus* Rivero, 1968, Danto Robber Frog
- Eleutherodactylus racenisi* Rivero, 1961 [= *E. bicumulus* (Peters, 1863)]
- Eleutherodactylus ramosi* Rivero, 1959 [= *E. cochranae* Grant, 1932]
- Eleutherodactylus rozei* Rivero, 1961, Roze's Robber Frog
- Eleutherodactylus sernai* Rivero, 1985 [= *E. cerastes* Lynch, 1975]
- Eleutherodactylus terraebolivaris* Rivero, 1984
- Eleutherodactylus tubernasus* Rivero, 1984, Pregonaro Robber Frog [syn. *E. pulidoi* Rivero, 1984]
- Eleutherodactylus turumiquensis* Rivero, 1961, Turumquire Robber Frog
- Eleutherodactylus williamsi* Rivero, 1961 [= *E. bicumulus* (Peters, 1863)]
- Hyalinobatrachium duranti* (Rivero, 1985), Durant's Glass Frog [syn. *Centrolenella duranti* Rivero, 1985; *C. pleurolineata* Rivero, 1985]
- Hyalinobatrachium estevesi* (Rivero, 1968), Esteves's Glass Frog [syn. *Centrolenella estevesi* Rivero, 1968; possibly *Hyloscirtus estevesi* (Rivero, 1968) see listing]

- Hyalinobatrachium fragile* (Rivero, 1985), Fragile Glass Frog [syn. *Centrolenella fragilis* Rivero, 1985]
- Hyalinobatrachium orientale* (Rivero, 1968) Eastern Glass Frog [syn. *Centrolenella orientalis* Rivero, 1968; *Centrolenella orocostalis* Rivero, 1968]
- Hyalinobatrachium pallidum* (Rivero, 1985), Guacharaquita Glass Frog [syn. *Centrolenella pallida* Rivero, 1985]
- Hyla ginesi* Rivero, 1963 [= *Myersiohyla loveridgei* (Rivero, 1961)]
- Hyla lanciformis guerreroi* Rivero, 1971 [= *Hypsiboas lanciformis* Cope, 1871]
- Hyla paramica* Rivero, 1961 [= *Hyloscirtus platydactylus* (Boulenger, 1905)]
- Hyloscirtus estevesi* (Rivero, 1968), Esteves's Treefrog [syn. *Centrolenella estevesi* Rivero, 1968; possibly *Hyalinobatrachium estevesi* (Rivero, 1968) see listing]
- Hyloscirtus jahni* (Rivero, 1961), Jahn's Treefrog [syn. *Centrolenella jahni* Rivero, 1961]
- Hyloscirtus lascinius* (Rivero, 1970), Tabor Treefrog [syn. *Centrolenella lascinius* Rivero, 1970]
- Hyloxalus betancuri* (Rivero and Serna, 1991) [syn. *Colostethus betancuri* Rivero and Serna, 1991]
- Hyloxalus borjai* (Rivero and Serna, 2000) [syn. *Colostethus borjai* Rivero and Serna, 2000]
- Hyloxalus breviquartus* (Rivero and Serna, 1986), Urrao Rocket Frog [syn. *Colostethus breviquartus* Rivero and Serna, 1986]
- Hyloxalus cevallosi* (Rivero, 1991), Palanda Rocket Frog [syn. *Colostethus cevallosi* Rivero, 1991]
- Hyloxalus excisus* (Rivero and Serna, 2000) [syn. *Colostethus excisus* Rivero and Serna, 2000]
- Hyloxalus faciopunctulatus* (Rivero, 1991), Puerto Narino Rocket Frog [syn. *Colostethus faciopunctulatus* Rivero, 1991]
- Hyloxalus fallax* (Rivero, 1991), Cotopaxi Rocket Frog [syn. *Colostethus fallax* Rivero, 1991]
- Hyloxalus idiomelus* (Rivero, 1991), Rivero's Rocket Frog [syn. *Colostethus idiomelus* Rivero, 1991]
- Hyloxalus maculosus* (Rivero, 1991), Spotted Rocket Frog [syn. *Colostethus maculosus* Rivero, 1991]
- Hyloxalus marmoreoventris* (Rivero, 1991), Rio Negro Rocket Frog [syn. *Colostethus marmoreoventris* Rivero, 1991]
- Hyloxalus mittermeieri* (Rivero, 1991), Mittermeier's Rocket Frog [syn. *Colostethus mittermeieri* Rivero, 1991]
- Hyloxalus parcus* (Rivero, 1991), Gualaceo Rocket Frog [syn. *Colostethus parcus* Rivero, 1991]
- Hyloxalus peculiaris* (Rivero, 1991), Funny Rocket Frog [syn. *Colostethus peculiaris* Rivero, 1991]
- Hyloxalus pinguis* (Rivero and Granados Díaz, 1990), Malvasa Rocket Frog [syn. *Colostethus pinguis* Rivero and Granados Díaz, 1990]
- Hyloxalus pumilus* (Rivero, 1991), San Vicente Rocket Frog [syn. *Colostethus pumilus* Rivero, 1991]
- Hypsiboas alemani* (Rivero, 1964), Cagua Treefrog [syn. *Hyla alemani* Rivero, 1964]
- Hypsiboas benitezzi* (Rivero, 1961), Benitez's Treefrog [syn. *Hyla benitezzi* Rivero, 1961]

*Hypsiboas lemai* (Rivero, 1972), Lema Treefrog [syn. *Hyla lemai* Rivero, 1972]

*Hypsiboas pulidoi* (Rivero, 1968), [syn. *Centrolenella pulidoi* Rivero, 1968]

*Hypsiboas sibleszi* (Rivero, 1972), La Escalera Treefrog [syn. *Hyla sibleszi* Rivero, 1972]

*Mannophryne oblitterata* (Rivero, 1984), St. Teresa Poison Frog [syn. *Colostethus oblitterata* Rivero, 1984]



*Minyobates steyermarki* (Rivero, 1971), Demonic Poison Frog [syn. *Dendrobates steyermarki* Rivero, 1971]

*Myersiohyla loveridgei* (Rivero, 1961), Loveridge's Treefrog [syn. *Hyla ginesi* Rivero, 1963 (replacement name); *H. loveridgei* Rivero, 1961]

*Otophryne steyermarki* Rivero, 1968, Steyermark's Pancake Frog [syn. *Otophryne robusta steyermarki* Rivero, 1968]

*Paludicola exigua* Rivero, 1961 [= *Pseudopaludicola pusilla* (Ruthven, 1916)]

*Pseudopaludicola ceratophryes* Rivero and Serna, 1985, Leticia Swamp Frog

*Rheobates pseudopalmatus* (Rivero and Serna, 1995) [syn. *Colostethus pseudopalmatus* Rivero and Serna, 2000]

*Scinax baumgardneri* (Rivero, 1961), Baumgardner's Snouted Treefrog [syn. *Hyla baumgardneri* Rivero, 1961]

*Silverstoneia erasmios* (Rivero and Serna, 2000) [syn. *Colostethus erasmios* Rivero and Serna, 2000]

*Sphaenorhynchus eurhostus* Rivero, 1969 [= *Sphaenorhynchus lacteus* (Daudin, 1800)]

*Sphaenorhynchus habrus* Rivero, 1969 [= *Sphaenorhynchus carneus* (Cope, 1868)]

Genus *Stefania* Rivero, 1968, Stefania Treefrogs

*Stefania ginesi* Rivero, 1968, Tepuis Treefrog

*Stefania goini* Rivero, 1968, Vegas Falls Treefrog

*Stefania marahuicensis* (Rivero, 1961), Marahuaca Treefrog [syn. *Hyla marahuicensis* Rivero, 1961]

*Stefania scalae* Rivero, 1970,

*Stefania woodleyi* Rivero, 1968, Woodley's Treefrog

*Tepuihyla rodriguezi* (Rivero, 1968) Rodriguez's Amazon Treefrog [syn. *Hyla rodriguezi* Rivero, 1968]