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Collection Overview

Repository:	Smithsonian Institution Archives, Washington, D.C., osiaref@si.edu
Title:	W. Ronald Heyer Papers
Identifier:	Accession 12-365
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Creator::	Heyer, W. Ronald
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Administrative Information

Preferred Citation

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Descriptive Entry

This accession consists of papers documenting the career of W. Ronald Heyer, curator in the Division of Amphibians and Reptiles at the National Museum of Natural History. Heyer's research focuses on the systematics, evolution, and biogeography of Neotropical amphibians. Materials include data, correspondence, clippings, maps, notes, slides, and related materials for publication.

Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

Subjects:

Amphibians
Herpetology
Research

Types of Materials:

Clippings
Color transparencies
Manuscripts
Maps

Names:

Heyer, W. Ronald
National Museum of Natural History (U.S.). Division of Amphibians and Reptiles

Container Listing

Box 1

Research Papers

- Box 1 of 5 Frogner, Karl J. 1968. Catalogue of herpetological species collected in Thailand.
- Box 1 of 5 Heyer. 1969-1970. Thai project log.
- Box 1 of 5 Heyer. 1969-1970. Thai cruising records.
- Box 1 of 5 Heyer. 1969-1970. Thai tadpole data.
- Box 1 of 5 Heyer. Thai specimen data sheets I (1969).
- Box 1 of 5 Heyer. Thai specimen data sheets II (1969-1970).
- Box 1 of 5 Heyer. Evergreen Quadrat data sheets I (1969).
- Box 1 of 5 Heyer. Evergreen Quadrat data sheets II (1969-1970).
- Box 1 of 5 Heyer. Deciduous Dipterocarp Quadrat sheets I (1969).
- Box 1 of 5 Heyer. Deciduous Dipterocarp Quadrat sheets II (1969-1970).
- Box 1 of 5 Heyer. 1970. Thai tadpole gut contents data by Paul Backus and Jerry Rose for publication.
- Box 1 of 5 Ecological interactions of frog larvae at a seasonal tropical location in Thailand. Data.
- Box 1 of 5 Heyer. 1979. Annual variation in larval amphibian populations within a temperate pond. *Journal of the Washington Academy of Sciences*, 69 (2): 65-74. Data.
- Box 1 of 5 Heyer. Data for 1994 podicipinus-wagneri complex - tadpole data.
- Box 1 of 5 Heyer. Data for 1994 podicipinus-wagneri complex - L. diedrus data.
- Box 1 of 5 Heyer. Data for 1994 podicipinus-wagneri complex - Region 1 South data.
- Box 1 of 5 Heyer. Data for 1994 podicipinus-wagneri complex - Region 2 Atlantic forests data.
- Box 1 of 5 Heyer. Data for 1994 podicipinus-wagneri complex - Region 3 Interior Brasil data.
- Box 1 of 5 Heyer. Data for 1994 podicipinus-wagneri complex - Region 4 Amazonia data.

- Box 1 of 5 Heyer. Data for 1994 podicipinus-wagneri complex - Region 5 Guiana Shield data.
- Box 1 of 5 Heyer. Data for 1994 podicipinus-wagneri complex - Region 6 Trinidad, Tobago, Lesser Antilles data.
- Box 1 of 5 Heyer. Data for 1994 podicipinus-wagneri complex - Region 7 Andean slopes data.
- Box 1 of 5 Heyer. 1994. podicipinus-wagneri complex - Statistical analyses through regions 1-4. (2 folders)
- Box 1 of 5 Heyer. 1994. podicipinus-wagneri complex - Statistical analyses through regions 5-7.

Box 2

- Box 2 of 5 Heyer. 1994. podicipinus-wagneri complex - Statistical analyses through regions 5-7. (2 folders)
- Box 2 of 5 Heyer. 1994. L. podicipinus-wagneri statistics run after review comments.
- Exhibit Development
- Box 2 of 5 Archival information for Vanishing Amphibian Traveling Exhibit, 1996.
- Unpublished Manuscripts
- Box 2 of 5 1990. An Overview of Amazonian Frog and Lizard Distributions from a Conservation Perspective. Manuscript submitted to Workshop 90 (no manuscripts were published from the workshop).
- Box 2 of 5 1993. Amazonian Anuran Biodiversity: Status of Current Knowledge. Participants were told that the presentations would be published after the conference "Uma Estrategia Latino-Americana para a Amazonia." The promised publication was never completed (nor begun).
- Box 2 of 5 1994. Are Data Sufficient to Determine If There are Major Zoogeographic Barriers for Atlantic Forest Frogs?
- Research and Other Papers
- Box 2 of 5 Heyer. 2002. *Leptodactylus fragilis*, the valid name for the Middle American and northern South American white-lipped frog. *Proceedings of the Biological Society of Washington*, 115: 321-322.
- Box 2 of 5 Heyer. 2004. Historical Perspective: Paulo Emilio Vanzolini. *Copeia*, 2004 (2): 184-189.
- Box 2 of 5 Heyer. 2005. Declining Amphibian Populations Task Force. Pages 17-21 in Michael Lannoo (editor), *Amphibian Declines: The Conservation Status*

of United States Species. University of California Press: Berkeley and Los Angeles. xxi and 1094 pages. With James B. Murphy.

- Box 2 of 5 Heyer. 2005. *Leptodactylus fragilis* Brocchi, 1877. White-lipped frog. Pages 500-501 in Michael Lannoo (editor), *Amphibian Declines: The Conservation Status of United States Species*. University of California Press: Berkeley and Los Angeles. xxi and 1094 pages.
- Box 2 of 5 Heyer. 2005. On the enigmatic distribution of the Honduran endemic *Leptodactylus silvanimbus* (Amphibia: Anura: Leptodactylidae). Pages 81-101 in Maureen O. Donnelly, Brian I. Crother, Craig Guyer, Marvalee H. Wake, and Mary E. White (editors), *Ecology and Evolution in the Tropics: A Herpetological Perspective*. The University of Chicago Press: Chicago and London. xv and 675 pages. With Rafael O. de Sa and Sarah Muller. Data analyses.
- Box 2 of 5 Heyer. 2005. Sibling species, advertisement calls, and reproductive isolation in frogs of the *Leptodactylus pentadactylus* species cluster (Amphibia, Leptodactylidae). In Natalia Ananjeva and Olga Tsinenko (editors), *Herpetologica Petropolitana. Proceedings of the 12th Ordinary General Meeting of the Societas Europaea Herpetologica, August 12-26, 2003, Saint Petersburg, Russia. Russian Journal of Herpetology, 12 (Supplement): 35-39*. With Rafael O. de Sa and A. Rettig. Data, analyses.
- Box 2 of 5 Heyer. 2005. Sibling species, advertisement calls, and reproductive isolation in frogs of the *Leptodactylus pentadactylus* species cluster (Amphibia, Leptodactylidae). In Natalia Ananjeva and Olga Tsinenko (editors), *Herpetologica Petropolitana. Proceedings of the 12th Ordinary General Meeting of the Societas Europaea Herpetologica, August 12-26, 2003, Saint Petersburg, Russia. Russian Journal of Herpetology, 12 (Supplement): 35-39*. With Rafael O. de Sa and A. Rettig. Analyses.
- Box 2 of 5 Heyer. 2005. Are *Leptodactylus didymus* and *L. mystaceus* phylogenetically sibling species (Amphibia, Anura, Leptodactylidae)? In Natalia Ananjeva and Olga Tsinenko (editors), *Herpetologica Petropolitana. Proceedings of the 12th Ordinary General Meeting of the Societas Europaea Herpetologica, August 12-26, 2003, Saint Petersburg, Russia. Russian Journal of Herpetology, 12 (Supplement): 90-92*. With Rafael O. de Sa and A. Camargo. Draft manuscript, correspondence, and data.
- Box 2 of 5 Heyer. 2005. Variation and taxonomic clarification of the large species of the *Leptodactylus pentadactylus* species group (Amphibia: Leptodactylidae) from Middle America, northern South America, and Amazonia. *Arquivos de Zoologia, 37 (3): 269-348*. Data and peer review.
- Box 2 of 5 Heyer. 2005. Common names for the frog genus *Leptodactylus* (Amphibia, Anura, Leptodactylidae). *Herpetological Review, 36 (2): 119-120*. With Ulisses Caramaschi and Rafael O. de Sa.
- Box 2 of 5 Heyer. 2005. The complex calls of *Leptodactylus pustulatus* (Amphibia, Anura, Leptodactylidae). *Amphibia-Reptilia, 26 (4): 566-570*. With Reuber Albuquerque Brandao. I. Manuscript versions.

- Box 2 of 5 Heyer. 2005. The complex calls of *Leptodactylus pustulatus* (Amphibia, Anura, Leptodactylidae). *Amphibia-Reptilia*, 26 (4): 566-570. With Reuber Albuquerque Brandao. II. Correspondence.
- Box 2 of 5 Heyer. 2005. The complex calls of *Leptodactylus pustulatus* (Amphibia, Anura, Leptodactylidae). *Amphibia-Reptilia*, 26 (4): 566-570. With Reuber Albuquerque Brandao. III. Data.
- Box 2 of 5 Heyer. 2006. Phylogenetic analyses of mtDNA sequences reveal three cryptic lineages in the widespread neotropical frog *Leptodactylus fuscus* (Schneider, 1799) (Anura, Leptodactylidae). *Biological Journal of the Linnean Society*, 87: 325-341. With Arley Camargo and Rafael O. de Sa. Manuscript, data, and analyses.
- Box 2 of 5 Heyer. 2008. Can long-established scientific societies survive the digital age? *Journal of the Washington Academy of Sciences*, 94 (2): 17-33.
- Box 2 of 5 Heyer. 2009. Phylogeography of the frog *Leptodactylus validus* (Amphibia: Anura): Patterns and timing of colonization events in the Lesser Antilles. *Molecular Phylogenetics and Evolution*, 53: 571-579. With Arley Camargo and Rafael de Sa. Correspondence and draft.
- Box 3
- Box 3 of 5 Heyer. 2009. Advertisement calls, notes on natural history, and distribution of *Leptodactylus chaquensis* (Amphibia: Anura: Leptodactylidae) in Brasil. *Proceedings of the Biological Society of Washington*, 122 (3): 292-305. With Ariovaldo A. Giaretta. I. Manuscript drafts and correspondence.
- Box 3 of 5 Heyer. 2009. Advertisement calls, notes on natural history, and distribution of *Leptodactylus chaquensis* (Amphibia: Anura: Leptodactylidae) in Brasil. *Proceedings of the Biological Society of Washington*, 122 (3): 292-305. With Ariovaldo A. Giaretta. II. Data and analyses.
- Box 3 of 5 Heyer. 2010. Oviduct modifications in foam-nesting frogs, with emphasis on the genus *Leptodactylus* (Amphibia, Leptodactylidae). *South American Journal of Herpetology*, 5 (1): 13-29. With A. I. Furness, R. W. McDiarmid, and G. R. Zug. I. Manuscript.
- Box 3 of 5 Heyer. 2010. Oviduct modifications in foam-nesting frogs, with emphasis on the genus *Leptodactylus* (Amphibia, Leptodactylidae). *South American Journal of Herpetology*, 5 (1): 13-29. With A. I. Furness, R. W. McDiarmid, and G. R. Zug. II. Correspondence and miscellaneous.
- Box 3 of 5 Heyer and de Sa. 2011. *Leptodactylus bolivianus* complex - Correspondence.
- Box 3 of 5 Heyer and de Sa. 2011. *Leptodactylus bolivianus* complex - Original *L. bolivianus* pattern and measurement data.
- Box 3 of 5 Heyer and de Sa. 2011. *Leptodactylus bolivianus* complex - Original *L. guianensis* pattern and measurement data.

- Box 3 of 5 Heyer and de Sa. 2011. *Leptodactylus bolivianus* complex - Original *L. insularum* pattern and measurement data.
- Box 3 of 5 Heyer and de Sa. 2011. *Leptodactylus bolivianus* complex - Original *L. insularum* pattern and measurement data, including remeasured specimens.
- Box 3 of 5 Heyer and de Sa. 2011. *Leptodactylus bolivianus* complex - Type information.
- Box 3 of 5 Heyer and de Sa. 2011. *Leptodactylus bolivianus* complex - Miscellanea.
- Box 3 of 5 Heyer and de Sa. 2011. *Leptodactylus bolivianus* complex - Geographic samples.
- Box 3 of 5 Heyer and de Sa. 2011. *Leptodactylus bolivianus* complex - Analyses - morphology data I.
- Box 3 of 5 Heyer and de Sa. 2011. *Leptodactylus bolivianus* complex - Analyses - morphology data II.
- Box 3 of 5 Heyer and de Sa. 2011. *Leptodactylus bolivianus* complex - Geographic region recoding of pattern characters.
- Box 3 of 5 Heyer and de Sa. 2011. *Leptodactylus bolivianus* complex - Tadpole data.
- Box 3 of 5 Heyer and de Sa. 2011. *Leptodactylus bolivianus* complex - Advertisement calls.
- Box 3 of 5 Heyer and de Sa. 2011. *Leptodactylus bolivianus* complex - Molecular analyses.
- Box 3 of 5 Heyer and de Sa. 2011. *Leptodactylus bolivianus* complex - Pattern standards.
- Box 3 of 5 Heyer and de Sa. 2011. *Leptodactylus bolivianus* complex - Pattern standards, revised.
- Box 3 of 5 Heyer and de Sa. 2011. *Leptodactylus bolivianus* complex - Interspecific analyses/species accounts.
- Box 3 of 5 Barrio and Heyer. 2009. Advertisement calls of *Leptodactylus lithonaetes* and *Pristimantis vilarsi*. Data and analyses.
- Box 3 of 5 Barrio and Heyer. 2009. Advertisement calls of *Leptodactylus lithonaetes* and *Pristimantis vilarsi*. Manuscript.
- Box 3 of 5 Heyer. 1993. Areas prioritarias para a conservacao da biodiversidade da Mata Atlantica do Nordeste, Workshop em Recife, 6 a 10 de dezembro de 1993.
- Box 3 of 5 Heyer. 1990. Workshop 90, Manaus.

- Box 3 of 5 Heyer. 1990. Workshop 90, Manaus. Manuscripts submitted for publication, but organization cancelled publication of the manuscripts.
- Box 3 of 5 Heyer and Maxson. 1985. Leptodactylid albumin material, analyses.
- Box 4
- Box 4 of 5 Heyer memorandum. 1982. Handley, Mountain Lake, and pitfall traps.
- Box 4 of 5 Acting Scientific Director, Neotropical Biodiversity Program, 1989-1990. Meeting notes.
- Box 4 of 5 Ross Simons memoranda.
- Box 4 of 5 Robert Fri/Heyer memoranda.
- Box 4 of 5 Senate of Scientists/Larry Small memoranda.
- Box 4 of 5 Dennis O'Connor memoranda.
- Box 4 of 5 Werner C. A. Bokermann frog collection at Museu de Zoologia da Universidade de Sao Paulo (MZUSP). The reports sent by Dr. P. E. Vanzolini were intended to serve as a rough draft of a publication on the amphibian collection assembled by Bokermann and sold to the MZUSP by Bokermann's sons after Bokermann died. Vanzolini did not prepare a manuscript for publication and the materials in this folder pertain to some exchange specimens and the materials may be the only source of information.
- Box 4 of 5 James Lynch materials (Smithsonian Environmental Research Center).
- Box 4 of 5 World Congress of Herpetology Executive Committee. 1998 through Tyler term, 31 March 2002.
- Box 4 of 5 Heyer. 2005. *Arquivos de Zoologia*, 37: 269-348. Variation and taxonomic clarification of the large species of the *Leptodactylus pentadactylus* species group (Amphibia: Leptodactylidae) from Middle America, northern South America, and Amazonia. Miscellaneous data and correspondence.
- Box 4 of 5 Heyer. 2005. *Arquivos de Zoologia*, 37: 269-348. Variation and taxonomic clarification of the large species of the *Leptodactylus pentadactylus* species group (Amphibia: Leptodactylidae) from Middle America, northern South America, and Amazonia. Data.
- Box 4 of 5 Heyer. 2005. *Arquivos de Zoologia*, 37: 269-348. Variation and taxonomic clarification of the large species of the *Leptodactylus pentadactylus* species group (Amphibia: Leptodactylidae) from Middle America, northern South America, and Amazonia. Data and intra-unit analyses.
- Box 4 of 5 Heyer. 2005. *Arquivos de Zoologia*, 37: 269-348. Variation and taxonomic clarification of the large species of the *Leptodactylus pentadactylus* species group (Amphibia: Leptodactylidae) from Middle America, northern South America, and Amazonia. Data for figures.

- Box 4 of 5 Heyer. 2005. *Arquivos de Zoologia*, 37: 269-348. Variation and taxonomic clarification of the large species of the *Leptodactylus pentadactylus* species group (Amphibia: Leptodactylidae) from Middle America, northern South America, and Amazonia. Call analyses and tadpole data.
- Box 4 of 5 Heyer. 2005. *Arquivos de Zoologia*, 37: 269-348. Variation and taxonomic clarification of the large species of the *Leptodactylus pentadactylus* species group (Amphibia: Leptodactylidae) from Middle America, northern South America, and Amazonia. L. knudseni data and analyses.
- Box 4 of 5 Heyer. 2005. *Arquivos de Zoologia*, 37: 269-348. Variation and taxonomic clarification of the large species of the *Leptodactylus pentadactylus* species group (Amphibia: Leptodactylidae) from Middle America, northern South America, and Amazonia. L. labyrinthicus unit analyses
- Box 4 of 5 Heyer. 2005. *Arquivos de Zoologia*, 37: 269-348. Variation and taxonomic clarification of the large species of the *Leptodactylus pentadactylus* species group (Amphibia: Leptodactylidae) from Middle America, northern South America, and Amazonia. Para unit analyses.
- Box 4 of 5 Heyer. 2005. *Arquivos de Zoologia*, 37: 269-348. Variation and taxonomic clarification of the large species of the *Leptodactylus pentadactylus* species group (Amphibia: Leptodactylidae) from Middle America, northern South America, and Amazonia. Inter-unit analyses.

Correspondence

- Box 4 of 5 Rafael O. de Sa. 1995-2000.
- Box 4 of 5 Rafael O. de Sa. 2001.
- Box 4 of 5 Rafael O. de Sa. 2002.
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- Box 4 of 5 Rafael O. de Sa. 2008.
- Box 4 of 5 Paulo E. Vanzolini. Pre-1996.
- Box 4 of 5 Paulo E. Vanzolini. 1996.
- Box 4 of 5 Paulo E. Vanzolini. 1997.

Box 5

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