

Naos Marine and Molecular Laboratories Bibliography

Updated December 15, 2020

This is a list of publications that are attributed to research done at the Naos Island Laboratory of the Smithsonian Tropical Research Institute (or earlier research). The publications are grouped by year and sorted alphabetically by first author, with known Smithsonian Tropical Research Institute researchers marked in bold. The data are generated from [Smithsonian Research Online](#), provided by the Smithsonian Libraries and Archives. Reports are generated on a quarterly basis and may not include the most recent publications.

2019

Aguilar, Celestino, Miller, Matthew J., Loaiza, Jose R., González, Rigoberto, Krahe, Rüdiger, and **De León, Luis F.** 2019. "[Tempo and mode of allopatric divergence in the weakly electric fish *Sternopygus dariensis* in the Isthmus of Panama.](#)" *Scientific Reports* 9:Article 18828. <https://doi.org/10.1038/s41598-019-55336-y>

Bashevkin, Samuel M., **Christy, John H.,** and Morgan, Steven G. 2019. "[Adaptive specialization and constraint in morphological defenses of planktonic larvae.](#)" *Functional Ecology* 1–27. <https://doi.org/10.1111/1365-2435.13464>

Kelehear, Crystal, Saltonstall, Kristin, and **Torchin, Mark E.** 2019. "[Negative effects of parasitic lung nematodes on the fitness of a Neotropical toad \(*Rhinella horribilis*\).](#)" *Parasitology* 13:1–9. <https://doi.org/10.1017/S0031182019000106>

Vásquez-Restrepo, Juan D., **Ibáñez, Roberto,** Sánchez-Pacheco, Santiago J., and Daza, Juan M. 2019. "[Phylogeny, taxonomy and distribution of the Neotropical lizard genus *Echinosaura* \(Squamata: Gymnophthalmidae\), with the recognition of two new genera in Cercosaurinae.](#)" *Zoological Journal of the Linnean Society* 1–28. <https://doi.org/10.1093/zoolinnean/zlz124>

2018

Campbell, Matthew A., **Robertson, D. Ross,** Vargas, Marta I., Allen, Gerald R., and **McMillan, W. O.** 2018. "[Multilocus molecular systematics of the circumtropical reef-fish genus *Abudefduf* \(Pomacentridae\): history, geography and ecology of speciation.](#)" *PeerJ* 6 (e5357):<https://doi.org/10.7717/peerj.5357>

Collin, Rachel, Nieto, Nerea, and **Peña, Cynthia.** 2018. "[Seasonal differences in egg size in three species of crabs from a tropical upwelling zone.](#)" *Marine Biology Research* 14 (3):258–268. <https://doi.org/10.1080/17451000.2017.1406664>

2016

Collin, Rachel and **Ochoa, Isis.** 2016. "Influence of seasonal environmental variation on the reproduction of four tropical marine gastropods." *Marine Ecology Progress Series* 555:125–139. <https://doi.org/10.3354/meps11815>

2015

Caldwell, Roy L., Ross, Richard, **Rodaniche, Arcadio**, and Huffard, Christine L. 2015. "Behavior and Body Patterns of the Larger Pacific Striped Octopus." *PloS One* 10 (8):1–17.

<https://doi.org/10.1371/journal.pone.0134152>

Hiller, Alexandra, Williams, Jason D., and Boyko, Christopher B. 2015. "Description of two new species of Indo-Pacific Thylacoplethus and a new record of *Thompsonia japonica* (Rhizocephala: Akentrogonida: Thompsoniidae) from hermit, porcelain, and mud crabs (Decapoda) based on morphological and molecular data." *Journal of Crustacean Biology* 35 (2):202–215. <https://doi.org/10.1163/1937240X-00002330>

Kerr, Kecia A., Cornejo, Anabell, Guichard, Frederic, Crespi Abril, Augusto C., and **Collin, Rachel**. 2015. "[Planktonic predation risk: effects of diel state, season and prey life history stage.](#)" *Journal of Plankton Research* 37 (2):452–461. <https://doi.org/10.1093/plankt/fbv006>

Scarpa, Fabio, Cossu, Piero, Sanna, Daria, Lai, Tiziana, Norenburg, Jon L., **Curini-Galletti, Marco**, and Casu, Marco. 2015. "[An 18S and 28S-based clock calibration for marine Proseriata \(Platyhelminthes\).](#)" *Journal of experimental marine biology and ecology* 463:22–31. <https://doi.org/10.1016/j.jembe.2014.10.020>

2014

Boyle, Michael J., Yamaguchi, Emi, and Seaver, Elaine C. 2014. "[Molecular conservation of metazoan gut formation: evidence from expression of endomesoderm genes in *Capitella teleta* \(Annelida\).](#)" *EvoDevo* 5:39.

Kerr, Kecia A., Cornejo, Anabell, Guichard, Frederick, and **Collin, Rachel**. 2014. "Planktonic predation risk varies with prey life history stage and diurnal phase." *Marine Ecology Progress Series* 503:99–109. <https://doi.org/10.3354/meps10735>

Mendoza Blanco, M. and **Patek, S. N.** 2014. "Muscle trade-offs in a power-amplified prey capture system." *Evolution* 68 (5):1399–1414. <https://doi.org/10.1111/evo.12365>

2013

Key Jr., Marcus M., Hollenbeck, Paige M., **O'Dea, Aaron**, and Patterson, William P. 2013. "[Stable isotope profiling in modern marine bryozoan colonies across the Isthmus of Panama.](#)" *Bulletin of Marine Science* 89 (4):837–856.

Swanson, Brook O., George, Matthew N., Anderson, Stuart P., and **Christy, John H.** 2013. "[Evolutionary variation in the mechanics of fiddler crab claws.](#)" *BMC Evolutionary Biology* 13:137. <https://doi.org/10.1186/1471-2148-13-137>

Tao, Kai, Robbins, John A., Grossman, Ethan L., and **O'Dea, Aaron**. 2013. "[Quantifying Upwelling and Freshening in Nearshore Tropical American Environments using Stable Isotopes in Modern Gastropods.](#)" *Bulletin of Marine Science* 89 (4):815–835. <https://doi.org/10.5343/bms.2012.1065>

2012

Kerr, Kecia A., Christy, John H., Collin, Rachel, and Guichard, F. 2012. "[Reducing error in reproductive timing caused by temperature variation: interspecific differences in behavioural adjustment by fiddler crabs.](https://doi.org/10.3354/meps09832)" *Marine Ecology Progress Series* 459:1–16.
<https://doi.org/10.3354/meps09832>

2010

Pinchuck, Shirley C. and Hodgson, Alan C. 2010. "[The ultrastructure and histology of the perinotal epidermis and defensive glands of two species of Onchidella \(Gastropoda: Pulmonata\).](https://doi.org/10.1016/j.tice.2010.02.001)" *Tissue and Cell* 42 (2):105–115. <https://doi.org/10.1016/j.tice.2010.02.001>

Suutari, Milla, Majaneva, Markus, Fewers, David P., **Voirin, Bryson, Aiello, Annette,** Friedl, Thomas, Chiarello, Adriano G., and Blomster, Jaanika. 2010. "[Molecular evidence for a diverse green algal community growing in the hair of sloths and a specific association with Trichophilus welckeri \(Chlorophyta, Ulvophyceae\).](https://doi.org/10.1016/j.cub.2010.02.001)" *BMC Evolutionary Biology* 10:86–98.

2009

Robertson, D. Ross, Christy, John H., Collin, Rachel, Cooke, Richard G., D'Croze, Luis, Kaufmann, Karl W., **Moreno, Stanley Heckadon, Maté, Juan L., O'Dea, Aaron,** and **Torchin, Mark E.** 2009. "[The Smithsonian Tropical Research Institute: Marine Research, Education, and Conservation in Panama.](https://doi.org/10.5479/si.01960768.38.73)" *Smithsonian Contributions to the Marine Sciences* (38): 73–93.
<https://doi.org/10.5479/si.01960768.38.73>

2008

McAlister, Justin S. 2008. "[Evolutionary responses to environmental heterogeneity in Central American echinoid larvae: plastic versus constant phenotypes.](https://doi.org/10.1111/j.1558-5646.2008.00368.x)" *Evolution* 62 (6):1358–1372.
<https://doi.org/10.1111/j.1558-5646.2008.00368.x>

Miglietta, Maria Pia, Rossi, Marco, and **Collin, Rachel.** 2008. "[Hydromedusa blooms and upwelling event in the Bay of Panama, tropical east Pacific.](https://doi.org/10.1093/plankt/fbn038)" *Journal of Plankton Research* 30 (7):783–793. <https://doi.org/10.1093/plankt/fbn038>

Rocha, Luiz A., Lindeman, Kenyon C., Rocha, Claudia R., and **Lessios, Harilaos A.** 2008. "[Historical biogeography and speciation in the reef fish genus Haemulon \(Teleostei: Haemulidae\).](https://doi.org/10.1016/j.ympev.2008.05.024)" *Molecular Phylogenetics and Evolution* 48 (3):918–928.
<https://doi.org/10.1016/j.ympev.2008.05.024>

2006

Heckadon-Moreno, Stanley. 2006. "Notas De Caroline Salvin Sobre La Flora De Las Islas De Naos y Taboga, 1873." *Epocas* (1): 4–5.

Mora, Camilo and Maya, Maria F. 2006. "[Effect of the Rate of Temperature Increase of the Dynamic Method on the Heat Tolerance of Fishes.](https://doi.org/10.1016/j.jtherbio.2006.01.005)" *Journal of thermal biology* 31 (4):337–341.
<https://doi.org/10.1016/j.jtherbio.2006.01.005>

2005

Lee, Taehwan and O'Foighil, Diarmaid. 2005. "[Placing the Floridian Marine Genetic Disjunction into a Regional Evolutionary Context Using the Scorched Mussel, *Brachidontes Exustus*, Species Complex.](#)" *Evolution* (10): 2139-2158.

2004

D'Croz, Luis and Mate-T., Juan L. 2004. "[Experimental responses to elevated water temperature in genotypes of the reef coral *Pocillopora damicornis* from upwelling and non-upwelling environments in Panamá.](#)" *Coral Reefs* 23 (4):473–483.

Voigt, Oliver, Collins, Allen Gilbert, Pearse, Vicki Buchsbaum, Pearse, John S., Ender, Andrea, Hadrys, Heike, and Schierwater, Bernd. 2004. "[Supplemental Data: Placozoa -No Longer a Phylum of One.](#)" *Current Biology* (22): 944–945.

Wysor, Brian. 2004. "[An Annotated List of Marine Chlorophyta From the Pacific Coast of the Republic of Panamá With a Comparison to Caribbean Panamá Species.](#)" *Nova Hedwigia* (1-2): 209—241.

2003

Collin, Rachel. 2003. "[Worldwide Patterns in Mode of Development in Calyptraeid Gastropods.](#)" *Marine Ecology Progress Series* (2): 103–122.

D'Croz, Luis, Kwiecinski, Bogdan, Mate-T., Juan L., Gomez, Juan A., and Del Rosario, Juan B. 2003. "El Afloramiento Costero y El Fenómeno De El Niño: Implicaciones Sobre Los Recursos Biológicos Del Pacífico De Panamá." *Revista De Tecnociencias* (2): 35–49.

O'Dea, Aaron. 2003. "[Seasonality and Zooid Size Variation in Panamanian Encrusting Bryozoans.](#)" *Journal of the Marine Biological Association of the United Kingdom* 83 (5):1107–1108.

2002

Fama, Patrizia, Wysor, Brian, Kooistra, Wiebe H. C. F., and Zucarello, Giuseppe C. 2002. "Molecular Phylogeny of the Genus *Caulerpa* (Caulerpales, Chlorophyta) Inferred From Chloroplast *tufA* Gene¹." *Journal of Phycology* 38:1040–1050.

2001

Brodie, Renae and Harvey, Alan W. 2001. "[Larval Development of the Land Hermit Crab *Coenobita Compressus* H. Milne Edwards Reared in the Laboratory.](#)" *Journal of Crustacean Biology* (3): 715–732.

Eakin, Carlton Mark. 2001. "The 1997-98 El Niño Event in Panamá and Galápagos: an Update of Thermal Stress Indices Relative to Coral Bleaching." *Bulletin of Marine Science* (1): 171–186.

Hueerkamp, Christiane, Glynn, Peter William, **D'Croze, Luis, Mate-T., Juan L.**, and Colley, Susan B. 2001. "[Bleaching and Recovery of Five Eastern Pacific Corals in an El Niño-Related Temperature Experiment.](#)" *Bulletin of Marine Science* (1): 215–236.

Mate-T., Juan L. 2001. "Ecological, Genetic and Morphological Differences Among Pavona (Cnidaria: Anthozoa) Species From the Pacific Coast of Panamá."

1999

Currie, Cameron Robert, **Mueller, Ulrich Gerhard**, and Malloch, David. 1999. "The Agricultural Pathology of Ant Fungus Gardens." *Proceedings of the National Academy of Sciences of the United States of America* (14): 7998–8002.

Freeman, Gary. 1999. "Regional specification during embryogenesis in the inarticulate brachiopod *Discinisca*." *Developmental Biology* 209:321–339.

1998

Mueller, Ulrich Gerhard and **Wcislo, William T.** 1998. "[Nesting Biology of the Fungus-Growing Ant *Cyphomyrmex Longiscapus* Weber \(Attini, Formicidae\).](#)" *Insectes Sociaux* (2): 181–189.

1997

Huber, Bernard A. and **Eberhard, William G.** 1997. "[Courtship, copulation, and genital mechanics in *Physocyclus globosus* \(Araneae, Pholcidae\).](#)" *Canadian journal of zoology* 75 (6):905–918.

Morgan, Steven G. and **Christy, John H.** 1997. "[Planktivorous fishes as selective agents for reproductive synchrony.](#)" *Journal of experimental marine biology and ecology* 209 (1-2):89–101.

Podesta, Guillermo P. and Glynn, Peter William. 1997. "Sea surface temperature variability in Panamá and Galápagos: Extreme temperatures causing coral bleaching." *Journal of Geophysical Research* 102 (15):749–159.

1996

Morgan, Steven G. and **Christy, John H.** 1996. "[Survival of marine larvae under the countervailing selective pressures of photodamage and predation.](#)" *Limnology and Oceanography* 41 (3):498–504.

Pinilla R., Meibys A. 1996. "Tolerancia a la salinidad de tres especies de erizos de mar: *E. lucunter* y *E. viridis* del Mar Caribe y *E. vanbruti* del Océano Pacífico (Echinometra: Echinodermata)."

1995

Morgan, Steven G. and **Christy, John H.** 1995. "[Adaptive significance of the timing of larval release by crabs.](#)" *American Naturalist* 145 (3):457–479.

1994

Morgan, Steven G. and **Christy, John H.** 1994. "[Plasticity, constraint, and optimality in reproductive timing.](#)" *Ecology* 75 (8):2185–2203.

Thacker, Robert W. 1994. "Volatile shell-investigation cues of land hermit crabs: Effect of shell fit, detection of cues from other hermit crab species, and cue isolation." *Journal of Chemical Ecology* 20 (7):1457–1482.

Villalaz, Janel R. 1994. "Morphometric and Biochemical Changes in Two Age Classes of the Tropical Scallop, *Argopecten ventricosus*, Under Laboratory Conditions." *American Malacological Bulletin* 11 (1):67–72.

1992

Eberhard, William G. 1992. "Notes on the Ecology and Behaviour of *Physocyclus globosus* (Araneae, Pholcidae)." *Bulletin of the British Arachnological Society* 9 (2):38–42.

1991

D'Croz, Luis, Del Rosario, Juan B., and Gomez, Juan A. 1991. "Upwelling and Phytoplankton in the Bay of Panama." *Revista de Biología Tropical* 39 (2):233–241.

Robinson, Michael H. 1991. "A Mecca for Tropical Biologists." *The World and I* March:299–307.

Sanjur Fonseca, Oris Imperio. 1991. "Estudio del cariotipo de cuatro especies de peces pomacéntridos (Pomacentridae, Pisces) del Pacífico de Panamá y algunas consideraciones evolutivas(Ph.D. Dissertation)."

1990

Rand, Austin Stanley, Dugan, Beverly A., Monteza, Hebe, and Dalixa, Vianda. 1990. "The Diet of Generalized Folivore: Iguana iguana in Panama." *Journal of Herpetology* 24 (2):211–214.

Rubinoff, Ira and Leigh, Egbert Giles, Jr. 1990. "Dealing with Diversity: The Smithsonian Tropical Research Institute and Tropical Biology." *Trends in Ecology and Evolution* 5 (4):115–118.

1989

Dudley, Elizabeth C. and Vermeij, Geerat J. 1989. "Shell Form and Burrowing Performance in Gastropods from Pacific Panama, with Comments on Regional Differences in Functional Specialization." *The Veliger* 32 (284-287):

Weinberg, James R. and Starczak, Victoria R. 1989. "Morphological divergence of eastern Pacific and Caribbean isopods: Effects of a land Barrier and the Panama Canal." *Marine Biology* 103:143–152.

1988

Cole, Kathleen S. and Robertson, D. Ross. 1988. "[Protogyny in the Caribbean Reef Goby, *Coryphopterus personatus*: Gonad Ontogeny and Social Influences on Sex Change.](#)" *Bulletin of Marine Science* 42 (2):317–333.

Gomez Herrera, Juan Antonio, Guerra, Villalaz, and Rogelio, Jancel. 1988. "Ciclo Anual de Maduración Sexual de la Conchuela." *Scientia (Panamá)* 3 (1):67–77.

Weinberg, James R. and Starczak, Victoria R. 1988. "Morphological Differences and Low Dispersal Between Local Populations of the Tropical Beach Isopod, *Exciolana braziliensis*." *Bulletin of Marine Science* 42 (2):296–309.

West, Lani. 1988. "Prey Selection by the Tropical Snail *Thais melones*: A Study of Interindividual Variation." *Ecology* 69 (6):1839–1854.

1986

Christy, John H. 1986. "[Timing of larval release by intertidal crabs on an exposed shore.](#)" *Bulletin of Marine Science* 39 (2):176–191.

Dickson, Katherine A. and Graham, Jeffrey B. 1986. "Adaptations to Hypoxic Environments in the Ehythrinid Fish *Hoplias microlepis*." *Environmental Biology of Fishes* 15 (4):301–308.

1985

Caldwell, Roy L. 1985. "A test of individual recognition in the stomatopod *Gonodactylus festae*." *Animal Behaviour* 33 (1):101–106.

Jaramillo, de Ventocilla. 1985. "Ciclo de vida de *Brassolis isthmia* (Nymphalidae-Brassolidae Lepidoptera)."

Laguna, Jorge. 1985. "Systematics, ecology and distribution of Barnacles (Cirripedia; Thoracica) of Panama." *San Diego, University of California*

1984

Garrity, Stephen D. 1984. "Some adaptations of gastropods to physical stress on a tropical rocky shore." *Ecology* 65 (2):559–574.

Garrity, Stephen D. and Levings, Sally C. 1984. "Aggregation in a tropical neritid." *The Veliger* 27 (1):1–6.

Mielke, von Wolfgang. 1984. "Einige Paramesochridae (Copepoda) von Panama." *Spixiana* 7 (3):217–243.

Montgomery, G. Gene, Mo, Claudette Lee, Charity, Sandra, del Valle, Maria, Beatriz Riviero, and Peralta, P. H. 1984. "Prevalencia del anticuerpo de encefalitis de St. Louis en algunas aves marinas de Panama." *Revista medica de Panama* 8 (3):212–221.

Zucker, Naida. 1984. "Delayed courtship in the fiddler crab *Uca musica* terpsichores." *Animal Behaviour* 32 (3):735–742.

1983

Spight, Tom M. 1983. "The intertidal snails of Panama City: an exceptionally diverse tropical rocky shore assemblage." *Ecosynthesis* 2:1–61.

Sullivan Caldwell, Gloria and Rubinoff, Roberta Wolff. 1983. "Avoidance of venomous sea snakes by naive herons and egrets." *The Auk* 100 (1):195–198.

1982

Ayarza R., Carlos J. 1982. "Estudio de la dinámica de población de *Coragyps atratus* (Aves: Cathartidae) en las provincias de Panamá y Colón, República de Panamá."

Clayton, Jr, William S. and Lasker, Howard Robert. 1982. "Effects of light and dark treatments on feeding by the reef coral *Pocillora damicornis* (Linnaeus)." *Journal of experimental marine biology and ecology* 63 (3):269–279.

Gonzalez C., Eric Edgardo and Polo G., Eira Mercedes. 1982. "Efectos de la sedimentación en el crecimiento de algunas especies de corales en Panamá."

Mielke, Wolfgang. 1982. "Einige Laophontidae (Copepoda, Harpacticoida) von Panama." *Crustaceana* 42 (1):1–11.

1981

Abrams, Peter A. 1981. "Shell fighting and competition between two hermit crab species in Panama." *Oecologia* 51 (1):84–90.

Bertness, Mark D. 1981. "Seasonality in tropical hermit crab production in the bay of Panama." *Biotropica* 13 (4):292–300.

Bertness, Mark D. 1981. "The influence of shell-type on hermit crab growth rate and clutch size (Decapoda, Anomura)." *Crustaceana* 40 (2):197–205.

Bertness, Mark D. 1981. "Pattern and plasticity in tropical crab growth and reproduction." *American Naturalist* 117 (5):754–773.

Bertness, Mark D., Garrity, Stephen D., and Levings, Sally C. 1981. "Predation pressure and gastropod foraging: a tropical-temperate comparison." *Evolution* 35 (5):995–1007.

Garrity, Stephen D. and Levings, Sally C. 1981. "A predator-prey interaction between two physically and biologically constrained tropical rocky shore gastropods: direct, indirect and community effects." *Ecological Monographs* 51 (3):267–286.

Mielke, Wolfgang. 1981. "Interstitielle ectinosomatidae (Copepoda) von Panama." *Mikrofauna des Meeresbodens* 85:1–45.

Stuart, Alastair M. 1981. "The role of pheromones in the initiation of foraging, recruitment and defence by the soldiers of a tropical termite, *Nasutitermes corniger* (Motschulsky)." *Chemical senses* 6 (4):409–420.

1980

Abrams, Peter A. 1980. "Resource partitioning and interspecific competition in a tropical hermit crab community." *Oecologia* 46 (3):365–379.

1979

Caldwell, Roy L. 1979. "A unique form of locomotion in a stomatopod- backward somersaulting." *Nature* 282 (5734):71–73.

Caldwell, Roy L. 1979. "Cavity occupation and defensive behavior in the stomatopod *Gonodactylus festai*: evidence for chemically mediated individual recognition." *Animal Behaviour* 27:194–201.

Child, C. Allan. 1979. "[Shallow-water Pycnogonida of the Isthmus of Panamá and the coasts of Middle America](#)." *Smithsonian Contributions to Zoology* (293): 1–86.
<https://doi.org/10.5479/si.00810282.293>

Dexter, Deborah M. 1979. "Community structure and seasonal variation in intertidal Panamanian sandy beaches." *Estuarine and Coastal Marine Science* 9:543–558.

1978

Kramer, Donald L. 1978. "Terrestrial groups spawning of *Brycon petrosus* (Pisces: Characidae) in Panama." *Copeia* 3:536–537.

1977

Abele, Lawrence G. 1977. "The taxonomic status of *Sesarma festae* Nobili, 1901, and *S. biolleyi* Rathbun, 1906 (Crustacea, Decapoda, Grapsidae) in the Eastern Pacific." *Proceedings of the Biological Society of Washington* 89:631–644.

Bortone, Stephen A. 1977. "Observations on the life history of *Diplectrum pacificum* and *D. macropoma* (Pisces, Serranidae) from the Bay of Panama." *Pacific Science* 31 (1):49–60.

Dexter, Deborah M. 1977. "Natural history of the Pan-American sand beach isopod *Excirolana braziliensis* (Crustacea: Malacostraca)." *Journal of the Zoological Society of Lond.* 183:103–109.

1976

Abele, Lawrence G. 1976. "Comparative species composition and relative abundance of decapod crustaceans in marine habitats of Panama." *Marine Biology* 38 (3):263–278.

1975

Glynn, Peter William, Dexter, Deborah M., and Bowman, Thomas E. 1975. "*Excirolana braziliensis*, a Pan-American sand beach isopod: taxonomic status ionation and distribution." *Journal of zoology* 175 (4):509–521.

1974

Glynn, Peter William and Glynn, Carmen S. 1974. "On the systematics of *Ancinus* (Isopoda, Sphaeromatidae) with description of a new species from the tropical eastern Pacific." *Pacific Science* 28 (4):401–422.

Zucker, Naida. 1974. "Shelter building as a means of reducing territory size in the fiddler crab, *Uca terpsichores* (Crustacea: Ocypodidae)." *American Midland Naturalist* 91 (1):224–236.

1973

Abele, Lawrence G., Robinson, Michael H., and Robinson, Barbara C. 1973. "Observations on sound production by two species of crabs from Panama (Decapoda, Gecarcinidae and Pseudathelphusidae)." *Crustaceana* 25 (2):147–152.

Graham, Jeffrey B. 1973. "Terrestrial life of the amphibious fish *Mnierpes macrocephalus*." *Marine Biology* 23:83–91.

1972

Abele, Lawrence G. 1972. "Comparative habitat diversity and faunal relationships between the Pacific and Caribbean Panamanian decapod Crustacea: a preliminary report, with some remarks on the crustacean fauna of Panama." *Bulletin of the Biological Society of Washington* 2:125–138.

Abele, Lawrence G. 1972. "A review of the genus *Ambidexter* (Crustacea: Decapoda: Processidae) in Panama." *Bulletin of Marine Science* 22 (2):365–380.

Dexter, Deborah M. 1972. "Comparison of the community structures in a Pacific and an Atlantic Panamanian sandy beach." *Bulletin of Marine Science* 22 (2):449–462.

Groves, Don. 1972. "The Smithsonian Tropical Research Institute (STRI)." *Oceans* 5 (6):44–49.

1971

Graham, Jeffrey B. 1971. "Aerial vision in amphibious fishes." *Fuana* 3 (-):14–23.

Powell, N. A. 1971. "The marine bryozoa near the Panama Canal." *Bulletin of Marine Science* 21 (3):766–778.

1968

Glynn, Peter William. 1968. "A new genus and two new species of sphaeromatid isopods from the high intertidal zone at Naos Island, Panama." *Proceedings of the Biological Society of Washington* 81:587–604.

1924

Hallinan, Thomas. 1924. "Notes on some Panama Canal Zone birds with special reference to their food." *The Auk* 41:304–326.