

CURRICULUM VITAE  
of  
**THOMAS MITCHELL ILIFFE**

**ADDRESS:**

Department of Marine Biology  
Texas A & M University at Galveston  
Galveston, TX 77553-1675  
Office Phone: (409) 740-4454  
E-mail: [iliffet@tamug.edu](mailto:iliffet@tamug.edu)  
Web page: [www.cavebiology.com](http://www.cavebiology.com)

**QUALIFICATIONS:**

Broad background in evolutionary and marine biology, oceanography, ecology, conservation, invertebrate taxonomy, biochemistry, marine pollution studies and diving research.

Eleven years full-time research experience in the marine sciences as a Research Associate at the Bermuda Biological Station.

Independently developed investigations on the biodiversity, origins, evolution and biogeography of animals inhabiting marine caves. This habitat, accessible only through use of specialized cave diving technology, rivals that of the deep-sea thermal vents for numbers of new taxa and scientific importance.

Led research expeditions for studies of the biology of marine and freshwater caves to the Bahamas, Belize, Mexico, Jamaica, Dominican Republic, Canary Islands, Iceland, Mallorca, Italy, Romania, Czechoslovakia, Galapagos, Hawaii, Guam, Palau, Tahiti, Cook Islands, Niue, Tonga, Western Samoa, Fiji, New Caledonia, Vanuatu, Solomon Islands, New Zealand, Australia, Philippines, China, Thailand and Christmas Island; in addition to 9 years of studies on Bermuda's marine caves.

Discovered 3 new orders (of Peracarida and Copepoda), 8 new families (of Isopoda, Ostracoda, Caridea, Remipedia and Calanoida), 55 new genera (of Caridea, Brachyura, Ostracoda, Remipedia, Amphipoda, Isopoda, Mysidacea, Tanaidacea, Thermosbaenacea, Leptostraca, Calanoida, Misophrioida and Polychaeta) and 168 new species of marine and freshwater cave-dwelling invertebrates.

Published 243 scientific papers, most of which concern marine cave studies. First author on papers in **Science** and **Nature**, in addition to 10 invited book chapters on the anchialine cave fauna of the Bahamas, Bermuda, Yucatan Peninsula of Mexico, Galapagos, Tonga, Niue and Western Samoa.

Co-authored profusely illustrated, 310 page book, *Guide to the anchialine ecosystems of Jameos del Agua and Túnel de la Atlántida*, in English and Spanish editions.

Principal investigator on 6 major National Science Foundation grants as well as 3 long-term scientific exchange visits to Eastern Europe sponsored by the National Academy of Science. Also received grants from NOAA (6), National Geographic Society (4), Bermuda Government (3),

TAMU-CONACyT (3), Earthwatch (2), The Explorers Club (2), Smithsonian Institution (1), and NASA (1).

Conducted research and published on dissolved organic matter in seawater, neurochemistry of the marine gastropod *Aplysia*, oil pollution, and reproduction of the sea urchin *Diadema*.

Organized the International Symposium in the Biology of Marine Caves (Bermuda, 1984) and Crustacean Society Annual Meeting (Galveston, 2008).

Invited keynote speaker at the 2<sup>nd</sup> International Symposium on Anchialine Ecology (Slovenia, 2012), 11<sup>th</sup> International Conference on Copepoda (Merida, 2011), Mesoamerican Society for Ecology and Conservation (Merida, 2011), 1<sup>st</sup> International Symposium on Anchialine Ecology (Mallorca, 2009), 40<sup>th</sup> Annual European Marine Biology Symposium (Vienna, 2005), 1<sup>er</sup> Encuentro Internacional de Espeleobuceo en Yucatan (Merida, 1998) and International Symposium on the Evolution of Cave Animals (Hamburg, 1988).

Selected as one of 19 members of the World Exploration Team by Advanced Diver Magazine, which honors "individuals who have committed their lives towards underwater exploration, science, or photography."

More than 30 years' experience as a Diving and Cave Diving Instructor with the National Association of Underwater Instructors (NAUI) and the National Speleological Society Cave Diving Section (NSS/CDS).

Twenty-eight years teaching experience as an Assistant Professor at the Florida Institute of Technology, Jensen Beach, the City College of Chicago (Overseas Division) and Department of Marine Biology, Texas A&M University at Galveston. Taught courses in Introductory Biology and Chemistry, Oceanography, Biospeleology, Marine Chemistry, Research Diving, Tropical Marine Ecology and Underwater Archaeology.

## EDUCATION

**Ph.D.**, 1977, Biochemistry, University of Texas Medical Branch; dissertation: "*Identified neurons that may use glycine as a neurotransmitter*"

**M.S.**, 1973, Oceanography, Florida State University; thesis: "*Dissolved hydrocarbons and fatty acids in the Eastern Gulf of Mexico Loop Current and the Caribbean Sea*"

**B.S.**, 1970, Biochemistry, Penn State University

## EMPLOYMENT:

11/08-Present **Research Associate**, Smithsonian Institution National Museum of Natural History

9/04-Present **Professor**, Department of Marine Biology, Texas A&M University. Taught courses in Biospeleology, Introduction to Scientific Diving, Methods in Scientific Diving, Tropical Marine Ecology (TAMU Study Abroad course in Mexico) – the latter 3 courses were offered to both graduates and undergraduates; the Scientific Diving courses were offered with TTVN sections in College Station.

9/97-8/04 **Associate Professor**, Department of Marine Biology, Texas A&M University at Galveston. Taught course in Introductory Biology, Research Diving and Biospeleology; prepared research publications and proposals.

9/95-8/01 **Assistant Department Head**, Marine Biology, Texas A&M University at Galveston. Responsible for undergraduate student advising and other administrative duties.

12/91-8/97 **Assistant Professor**, Department of Marine Biology, Texas A&M University at Galveston.

8/89-12/91 **Lecturer**, Department of Marine Biology, Texas A&M University at Galveston.

6/77-3/89 **Research Associate**, Bermuda Biological Station, Ferry Reach, Bermuda.

Designed and conducted independent research on the biology of marine caves; salary and research funding solely through grants.

3/84-6/84 **Adjunct Professor of Biology**, City College of Chicago Overseas Program, U.S. Naval Air Station, Bermuda. Taught course in Introductory Biology.

1/77-6/77 **Assistant Professor of Chemistry**, Florida Institute of Technology, Jensen Beach, Florida. Taught courses in Introductory Chemistry.

9/72-8/73 **Instructor in Oceanography**, Florida Institute of Technology, Jensen Beach, Florida. Taught courses in Oceanography and Marine Chemistry.

#### **LICENSES AND CERTIFICATES:**

SCUBA Diving Instructor, National Association of Underwater Instructors (NAUI), 1975 to present

Cave Diving Instructor, National Speleological Society Cave Diving Section, 1981 to present.

#### **SPECIAL ACTIVITIES AND SCIENTIFIC RECOGNITION:**

2016 Founding taxonomic editor for the World Register of marine Cave Species (WoRCS), a comprehensive taxonomic and ecological database of species known from marine and anchialine cave environments worldwide

2013 Honored by being the namesake for the 2013 Fall TAMUG Salt Camp

2013 cover story on my cave diving research appeared in the Summer 2013 issue of Spirit - the Texas A&M Foundation Magazine.

2013 Texas A&M University Newsmaker Image Award

2013 National Speleological Society Cave Diving Section Exploration Award

2013 TAMU Association of Former Students Distinguished Achievement Teaching Award

2012 Keynote speaker for 2<sup>nd</sup> Anchialine Ecosystems Symposium in Cavtat, Sardinia

2011 Keynote speaker for Mesoamerican Society for Biology and Conservation conference in Merida, Yucatan, Mexico

2011 Keynote speaker for 11<sup>th</sup> International Conference on Copepoda in Merida, Yucatan, Mexico

2010: National Geographic Magazine cover story on “*Bahamas Blue Holes: Deep Dark Secrets*” (August issue)

2010: Advance (TAMU Research Magazine) cover story on cave biology research (Fall issue)

2009 Keynote speaker for 1<sup>st</sup> Anchialine Ecosystems Symposium in Malloca, Spain

2008 Co-organizer for The Crustacean Society Summer Meeting in Galveston

2007 Members of the Advanced Diver Magazine *World Exploration Team*

2001-03 Anchialine Caves Project co-director for International Biodiversity Observation Year  
 1998 Outstanding People of the 20<sup>th</sup> Century  
 1998 International Who's Who of Intellectuals, 13<sup>th</sup> edition  
 1998 Dictionary of International Biography, 27<sup>th</sup> edition  
 1996-97 Who's Who Among American Teachers  
 1994-95 Who's Who Among American Teachers  
 1994-5 Texas A&M Center for Teaching Excellence Scholar representing the College of Geosciences and Maritime Studies  
 1994 Phi Beta Delta honor society for international scholars  
 Editor, **Groundwater Ecology**, new journal to be published by Academic Press  
 Neches-Gulf Marine Award as the faculty member chosen by the student body of Texas A&M University at Galveston as the most effective teacher during the 1991-92 school year.  
 Associate Editor, **Stygologia** (International Journal of Groundwater Research), 1983 to 1990.  
 Invited Principal Speaker, International Symposium on the Evolution of Cave Animals, Hamburg, West Germany, October 1988.  
 Organizer, International Symposium in the Biology of Marine Caves, Bermuda, October 1984.  
 Member, Species Survival Commission Cave Species Specialist Group, International Union for the Conservation of Nature and Natural Resources, 1983 to present.  
 National Academy of Science exchange visits to Romania, 1981, 1983, 1985  
 National Academy of Science exchange visit to Czechoslovakia, 1985  
 Namesake for **10 new species** (amphipod *Cocoharpinia iliffei* Karaman 1980, shrimp *Typhlatya iliffei* Hart & Manning 1981, isopod *Stenobermuda iliffei* Kensley 1984, polychaete *Pelagomacellicephalo iliffei* Pettibone 1985, ostracod *Aponesidea iliffei* Maddocks 1986, ciliate *Euplotes iliffei* Hill & Small 1986, mysid *Mysidium iliffei* Bacescu 1991, ostracod *Dolerocyprina iliffei* Maddocks 1995, polychaete *Branchiomma iliffei* Tovar-Hernandez & Knight-Jones 2006 and polychaete *Sphaerosyllis iliffei* Núñez & Martínez 2009) and **2 new genera** (ostracod *Iliffeoecia* Maddocks 1981 and ostracod *Thomontocypris* Maddocks 1991) of cavernicolous invertebrates.

#### TV DOCUMENTARIES:

Sept. 2016, BBC Network/PBS, "*Forces of Nature*", segment on my cave diving research in the Dominican Republic included in a four-episode documentary special event series  
 Dec. 2014, National Geographic Channel, "*Drain the Bermuda Triangle*", 60-minute documentary including my cave diving research in the Bahamas  
 Apr. 2011, Smithsonian Institution and History Chanel documentary on cave biology research to be on continuous display at the National Museum of Natural History's Ocean Hall  
 Mar. 2011, France 3 TV, Thalassa: "*Le Trou Bleu des Bahamas*", 30-minute documentary film on Bahamas cave biology research  
 Nov. 2010, Bermuda Environmental Alliance: "*Bermuda's Mystical Caves*", 30-minute documentary film on cave biology research and conservation in Bermuda  
 Apr. 2010, Discovery Canada TV Daily Planet series, "*Bermuda's Mystical Caves*" 5-minute documentary film on cave biology research and conservation in Bermuda

Mar. 2010, PBS NOVA: “*Extreme Cave Diving*”, hour long documentary on Bahamas cave diving filmed and produced by National Geographic

Dec. 2005, Outdoor Channel: “*Modern Day Explorers: Mysteries of the Yucatan*”, hour long documentary film featuring my cave research in Yucatan.

Bill Curtis Productions documentary “*Yucatan Ring Cenotes*” filmed in March 2002 but not yet released.

Mar. 2003: National Geographic Channel episode of “*The Next Wave*” entitled “Blue Holes” features my cave diving research in the Bahamas.

Oct. 2001: Oregon Field Guide documentary “*Cave Diving*” features my research in a submerged lava tube cave in Oregon.

1998: NDR North German Public TV documentary “*The Mystical Underwater Caves of the Bahamas*” features my cave research in Andros and Grand Bahama Islands.

Nov. 1995: PBS episode of “*The New Explorers*” entitled “The Most Dangerous Science” features my cave research in the Yucatan Peninsula of Mexico.

Jan. 1988: PBS documentary “*Infinite Voyage*” features my cave research in the Galapagos Islands.

#### **RESEARCH GRANTS:**

2013-2014 **National Geographic Society**, “Diving exploration and faunal survey of anchialine caves in Christmas Island, Indian Ocean”, \$28,000

2013-2016 **Texas A&M University – CONACYT**, “What promotes species diversification in anchialine habitats?”, \$24,000

2009-2012 **NOAA Ocean Exploration**, “Search for Bermuda's Deep Water Caves”, \$426,284

2009-12 **Texas A&M University – CONACYT**, “Stygobitic Crustacea from the Texas-Mexico border region: a binational fauna?”, \$24,000

2006-08 **NOAA International Coral Reef Conservation Program**, “Groundwater pollution and its impact on Bermuda’s reefs and inshore waters”, \$38,500

2003-08 **National Science Foundation #0315903**, “Survey of Anchialine Cave Fauna of the Bahama Islands”, \$240,000

2003-04 **Texas A&M University – CONACYT**, “Ecology, biodiversity and hydrology of anchialine caves: the Ox Bel Ha system, Quintana Roo, Mexico”, \$25,000

2002-04 **NOAA National Undersea Research Program**, “Survey of the Anchialine Cave Fauna of the Exuma Cays”, \$57,826

1998-2002 **National Science Foundation**, “Anchialine Cave Invertebrates of the Bahama Islands”, \$72,000

1997-98 **NASA Johnson Space Center, Information Dynamics, Inc.**, “Underwater Video Monitoring of Astronaut Training Activities at the Neutral Buoyancy Lab, Johnson Space Center”, \$109,948

1996 **NOAA National Undersea Research Program**, “Marine Cave and Crevicular Fauna of the Exumas”, \$3,100

1996 **TAMU International Research Assistance Travel Grant**, “Chemoautotrophic Anchialine Caves of the Yucatan Peninsula, Mexico”, \$900

- 1996 **Texas A&M University at Galveston Research Enhancement Program**, “Anchialine Cave Fauna of the Yucatan Peninsula, Mexico”, \$3,775
- 1994-95 **NOAA National Undersea Research Program**, “Marine Cave Fauna of the Exuma Islands, Bahamas”, \$2,584
- 1995 **Texas A&M University at Galveston Research Enhancement Program**, “Hydrology of Karst Groundwaters in the Yucatan Peninsula, Mexico”, \$2,600
- 1994-95 **DGAPA - Universidad Nacional Autonoma de Mexico**, “Ecologia y Biodiversidad de un sistema Anquihalino basado en la Produccion Quimioautotrofica” with Javier Alcocer, \$40,000
- 1994 **Texas A&M University at Galveston Research Enhancement Program**, “<sup>13</sup>C and <sup>15</sup>N Stable Isotopic Analysis of Food Web Dynamics from Maya Blue Cenote, an Anchialine Cave in the Yucatan Peninsula, Mexico”, \$2,600
- 1993 **NOAA National Undersea Research Program**, “Deep water crevicular fauna of the 'Wall' at Lee Stocking Island, Bahamas”
- 1993 **Texas A&M University at Galveston Research Enhancement Program**, “Marine-Derived Relict Fauna of the Ring Cenotes of the Yucatan Peninsula”, \$2,500
- 1992-94 **National Geographic Society (4725-92)**, “Marine Cave Fauna of the Atlantida Tunnel”, \$25,000
- 1991 **Texas A&M University at Galveston Research Enhancement Program**, “Origins and Evolution of the Marine Cave Fauna of the Yucatan Peninsula”, \$2,000
- 1990 **Texas A&M University at Galveston Research Enhancement Program**, “Origins and Dispersal of Oceanic Cave Fauna: A Molecular Investigation”, \$2,250
- 1990 **The Explorers Club**, “Marine Cave Fauna of Jamaica”, \$600
- 1989 **Smithsonian Institution Caribbean Coral Reef Ecosystems Program**, “Marine Cave Fauna of Belize”, \$4,300
- 1987-89 **National Science Foundation (BSR-8700079)**, “Biogeography and Origins of an Oceanic Cave Fauna”, \$50,000
- 1987-88 **National Geographic Society (3412-86)**, “Marine Cave Fauna of the Indo-Pacific”, \$23,000
- 1987 **National Oceanic and Atmospheric Administration**, “ROV Investigations of Deep Water Caves in Bermuda”, \$20,000
- 1985-86 **National Science Foundation (BSR-8417494)**, “Marine Cave Fauna of the Indo-Pacific”, \$33,880
- 1985 **National Academy of Sciences**, 6 month exchange visit to Romania and 1 month to Czechoslovakia, \$21,000
- 1984 **The Explorers Club**, “Exploration of a Submarine Lava Tube in the Canary Islands”, \$600
- 1983-86 **National Science Foundation (BSR-8215672)**, “Survey of an Oceanic Cave Fauna”, \$134,016
- 1983 **Center for Field Research - Earthwatch**, “Romania's Caves”, \$3,300
- 1983 **National Academy of Sciences**, 5 month exchange visit to Romania, \$15,000
- 1982 **Bermuda Government**, “Bermuda's Cave Resources”, \$11,200

- 1981 **Center for Field Research - Earthwatch**, “Bermuda Cave Exploration”, \$8,580  
1981 **National Academy of Sciences**, 6 month exchange visit to Romania, \$18,000  
1980-82 **National Science Foundation** (DEB-8001836), “Cave Fauna of an Oceanic Island”, \$38,500  
1980-81 **The Explorers Club**, “Exploration and Mapping of Underwater Caves of Bermuda”, \$859  
1979 **National Speleological Society**, “An Inventory of Bermuda's Cave Resources”, \$150

#### **GRADUATE STUDENTS:**

- Pohlman, John William, *Analysis of the ecology of anchialine caves using carbon and nitrogen stable isotopes*, December 1995, M.S. in Oceanography  
Dodson, Brett Wayne, *Water column characterization of anchialine caves in Quintana Roo, Mexico*, 2000, M.S. in Wildlife and Fisheries Sciences  
Webb, Michael Scott, *Intraspecific relationships among the stygobitic shrimp *Typhlatya mitchelli*, by analyzing sequence data from mitochondrial DNA*, May 2003, M.S. in Wildlife and Fisheries Sciences  
Gibbons, Darcy Ann, *An environmental assessment of Bermuda's caves*, December 2003, M.S. in Wildlife and Fisheries Sciences  
Belcher, Rebecca Lane, *Phylogeography of five species of the stygobitic shrimp genus *Typhlatya*, as determined from the sequence analysis of three mitochondrial genes*, August 2004, M.S. in Wildlife and Fisheries Sciences  
Hinderstein, Lara, *Crustacean extremophiles in Yucatan's anchialine caves: Metabolic adaptations and associated environmental parameters*, May 2008, Ph.D. in Wildlife and Fisheries Science  
Maloney, Bridget, *The role of macroalgal species as bioindicators of water quality in Bermudian karstic cave pools*, December 2008, M.S. in Wildlife and Fisheries Science  
Cate, Jenipher, *Assessing the impact of groundwater pollution from marine caves on nearshore seagrass beds in Bermuda*, August 2009, M.S. in Wildlife and Fisheries Sciences  
Gonzalez, Brett, *Novel bacterial diversity in an anchialine blue hole on Abaco Island, Bahamas*, December 2010, M.S. in Wildlife and Fisheries Science  
Stoffer, Jonathan, *A hydrological model of Harrington Sound, Bermuda and its surrounding cave systems*, May 2013, M.S. in Wildlife and Fisheries Science  
Neisch, Julie, *The use of stable and radiocarbon isotopes as a method for delineating sources of organic matter in anchialine systems*, May 2013, M.S. in Wildlife and Fisheries Science  
Haukebo, Sepp, *Ecological and biogeochemical characterization of a subterranean estuary in the Yucatan Peninsula, Mexico*, December 2013, M.S. in Wildlife and Fisheries Science  
Brankovits, David, *Biogeochemical and hydrological controls of methane dynamics and ecosystem function in a tropical karst subterranean estuary*, December 2017, PhD. in Marine Biology

#### **PUBLISHED BOOKS:**

1. Suárez Morales, E., J.W. Reid, T.M. Iliffe and F. Fiers (1996). **Catálogo de los Copépodos (Crustacea) Continentales de la Península de Yucatán, México**. El Colegio de la Frontera Sur (ECOSUR), Chetumal, Quintana Roo, Mexico, 296 pp.
2. Martínez, A., B.C. Gonzalez, J. Núñez, H. Wilkens, P. Oromí, T.M. Iliffe and K. Worsaae (2016). [\*Guide to the anchialine ecosystems of Jameos del Agua and Túnel de la Atlántida\*](#), Cabildo de Lanzarote, Spain, 310 pp., ISBN-13: 978-84-95938-92-3
3. Martínez, A., B.C. Gonzalez, J. Núñez, H. Wilkens, P. Oromí, T.M. Iliffe and K. Worsaae (2016). [\*Guía interpretativa de los ecosistemas anquialinos de Los Jameos del Agua y Túnel de la Atlántida\*](#), Cabildo de Lanzarote, Spain, 310 pp., ISBN-13: 978-84-95938-93-0

#### PRINCIPAL PUBLISHED JOURNAL ARTICLES AND BOOK CHAPTERS:

1. Iliffe, T.M. and J.A. Calder (1974). Dissolved hydrocarbons in the Eastern Gulf of Mexico Loop Current and the Caribbean Sea. **Deep-Sea Research**, 21:481-488.
2. Iliffe, T.M., D.J. McAdoo, C.B. Beyer and B. Haber (1977). Amino acid concentrations in the nervous system of *Aplysia*: Neurons with high glycine concentrations. **Journal of Neurochemistry**, 28:1037-1042.
3. McAdoo, D.J., T.M. Iliffe, C.H. Price and R.A. Novak (1978). Specific glycine uptake by identified neurons of *Aplysia californica*. II. Biochemistry. **Brain Research**, 154:41-51.
4. Price, C.H., D.J. McAdoo, R.E. Coggeshall and T.M. Iliffe (1978). Identified *Aplysia* neurons with rapid and specific glycine uptake. In: **Amino Acids as Chemical Transmitters**, F. Fornim, ed., Plenum Publishing Corp., New York, pp. 213-219.
5. Iliffe, T.M. and A.H. Knap (1979). The fate of stranded pelagic tar on a Bermuda beach. **Marine Pollution Bulletin**, 10:203-205.
6. Iliffe, T.M. (1979). Bermuda's caves: A non-renewable resource. **Environmental Conservation**, 6:181-186.
7. Knap, A.H., T.M. Iliffe and J.N. Butler (1980). Has the amount of tar on the open ocean changed in the past decade? **Marine Pollution Bulletin**, 11:161-164.
8. Sket, B. and T.M. Iliffe (1980). Cave fauna of Bermuda. **Internationale Revue der gesamten Hydrobiologie**, 65:871-882.
9. Iliffe, T.M. (1980). Mid-ocean cave diving. **Underwater Speleology**, 7:42 & 46-48.
10. Iliffe, T.M. (1981). The submarine caves of Bermuda. In: **Proceedings of the Eighth International Congress of Speleology**, Bowling Green, KY, pp. 161-163.
11. Iliffe, T.M. (1981). Caves. In: **Bermuda's Delicate Balance**, Bermuda National Trust, Hamilton, Bermuda, pp. 98-103.
12. Sterrer, W. and T.M. Iliffe (1982). *Mesonerilla prospera*, a new archiannelid from marine caves in Bermuda. **Proceedings of the Biological Society of Washington**, 95:509-514.
13. Iliffe, T.M. and J.S. Pearse (1982). Annual and lunar reproductive rhythms of the sea urchin *Diadema antillarum* (Philippi) at Bermuda. **International Journal of Invertebrate Reproduction**, 5:139-148.
14. Iliffe, T.M. (1982). Argonaut: Octopus in a parchment shell. **Sea Frontiers**, 28:224-228.



15. Bowman, T.E. and T.M. Iliffe (1983). *Bermudalana aruboides*, a new genus and species of troglobitic Isopoda (Cirolanidae) from marine caves on Bermuda. **Proceedings of the Biological Society of Washington**, 96:291-300.
16. Iliffe, T.M., C.W. Hart, Jr. and R.B. Manning (1983). Biogeography and the caves of Bermuda. **Nature**, 302:141-142.
17. Decu, V. and T.M. Iliffe (1983). A review of the terrestrial cavernicolous fauna of Romania. **NSS Bulletin**, 45:86-97.
18. Iliffe, T.M., T.D. Jickells and M.S. Brewer (1984). Organic pollution of an inland marine cave from Bermuda. **Marine Environmental Research**, 12:173-189.
19. Bowman, T.E., T.M. Iliffe and J. Yager (1984). New records of the troglobitic mysid genus *Stygiomysis*: *S. clarki*, sp. nov. from the Caicos Islands, and *S. holtuisi* (Gordon) from Grand Bahama Island. **Proceedings of the Biological Society of Washington**, 97:637-644.
20. Iliffe, T.M., H. Wilkens, J. Parzefall and D. Williams (1984). Marine lava cave fauna: Composition, biogeography and origins. **Science**, 225:309-311.
21. Bowman, T.E. and T.M. Iliffe (1985). *Mictocaris halope*, a new unusual peracaridan crustacean from marine caves on Bermuda. **Journal of Crustacean Biology**, 5:58-73.
22. Bowman, T.E., S.P. Garner, R.R. Hessler, T.M. Iliffe and H.L. Sanders (1985). Mictacea, a new order of Crustacea Peracarida. **Journal of Crustacean Biology**, 5:74-78.
23. Hart, C.W., Jr., R.B. Manning and T.M. Iliffe (1985). The fauna of Atlantic marine caves: Evidence of dispersal by sea floor spreading while maintaining ties to deep waters. **Proceedings of the Biological Society of Washington**, 98:288-292.
24. Bowman, T.E., J. Yager and T.M. Iliffe (1985). *Speonebalia cannoni*, n. gen., n. sp., from the Caicos Islands, the first hypogean leptostracan (Nebaliacea, Nebaliidae). **Proceedings of the Biological Society of Washington**, 98:439-446.
25. Kornicker, L.S. and T.M. Iliffe (1985). Deeveyinae, a new subfamily of Ostracoda (Halocyprididae) from a marine cave on the Turks and Caicos Islands. **Proceedings of the Biological Society of Washington**, 98:476-493.
26. Bartsch, I. and T.M. Iliffe (1985). The halacarid fauna (Halacaridae, Acari) of Bermuda's caves. **Stygologia**, 1:300-321.
27. Fosshagen, A. and T.M. Iliffe (1985). Two new genera of Calanoida and a new order of Copepoda, Platycopioidea, from marine caves on Bermuda. **Sarsia**, 70:345-358.
28. Gutu, M. and T.M. Iliffe (1985). The redescription of *Apseudes* (?) *propinquus* Richardson, 1902 (Crustacea, Tanaidacea) from Bermuda caves. **Travaux du Museum d'Histoire Naturelle "Grigore Antipa"**, 27:55-62.
29. Iliffe, T.M. (1986). The zonation model for the evolution of aquatic faunas in anchialine waters. **Stygologia**, 2:2-9.
30. Maddocks, R.F. and T.M. Iliffe (1986). Podocopid Ostracoda of Bermudian caves. **Stygologia**, 2:26-76.
31. Holsinger, J.R., D. Williams, J. Yager and T.M. Iliffe (1986). Zoogeographic implications of *Bahadzia*, a hadziid amphipod crustacean recently described from anchialine caves in the Bahamas and Turks and Caicos Islands. **Stygologia**, 2:77-83.

32. Bowman, T.E. and T.M. Iliffe (1986). *Halosbaena fortunata*, a new thermosbaenacean crustacean from the Jameos del Agua marine lava cave, Lanzarote, Canary Islands. **Stygologia**, 2:84-89.
33. Stock, J.H., T.M. Iliffe and D. Williams (1986). The concept "anchialine" reconsidered. **Stygologia**, 2:90-92.
34. Bacescu, M. and T.M. Iliffe (1986). *Bermudamysis* g.n., *Platyops* g.n. and other mysids from Bermudian caves. **Stygologia**, 2:93-104.
35. Manning, R.B., C.W. Hart, Jr. and T.M. Iliffe (1986). Mesozoic relicts in marine caves of Bermuda. **Stygologia**, 2:156-166.
36. Small, E.B., J. Heisler, J. Snieszak and T.M. Iliffe (1986). *Glaucionema bermudensis*, a troglobitic ciliophoran from Bermudian marine caves. **Stygologia**, 2:167-179.
37. Stock, J.H., J.R. Holsinger, B. Sket and T.M. Iliffe (1986). The genus *Pseudoniphargus* (Amphipoda) in Bermuda groundwaters. **Zoologica Scripta**, 15:237-249.
38. Boxshall, G.A. and T.M. Iliffe (1986). New cave-dwelling misophrioids (Copepoda) from Bermuda. **Sarsia**, 71:55-64.
39. Wilkens, H., J. Parzefall and T.M. Iliffe (1986). Origin and age of the marine stygofauna of Lanzarote, Canary Islands. **Mitteilungen aus dem Hamburgischen Zoologischen Museum und Institut**, 83:223-230.
40. Bacescu, M. and T.M. Iliffe (1986). Contributions to the knowledge of Mysidacea from Western Pacific: *Aberomysis muranoi* n.gen., n.sp. and *Palaumysis simonae* n.gen., n.sp. from marine caves on Palau, Micronesia. **Travaux du Museum d'Histoire Naturelle "Grigore Antipa"**, 28:25-35.
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