

DAVIS, ANCILLEN O R L A N D O

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EDUCATION

Miami University, Oxford OH, USA Ph.D. in Ecology, Evolution and Environmental Biology Dissertation: Understanding, enhancing and engaging with citizen science bird monitoring in eBird	2018
University of Maryland Eastern Shore, Princess Anne MD, USA M.Sc. in Marine Estuarine and Environmental Science Thesis: Epifloral and epifaunal assemblage of <i>Fucus vesiculosus</i> L. (Bladder wrack) in Indian River Inlet, Delaware, USA	2006
University of Maryland Eastern Shore, Princess Anne MD, USA B.Sc. Environmental Science Area of Concentration: Marine Science Magna cum Laude	2005
University of The Bahamas, Nassau N.P., Bahamas A.A. Biology with Chemistry	2001

AWARDS

Lavatus Powell Diversity Award – Graduate Students of All Nations (organization nomination)	January 2016 & January 2017
Lavatus Powell Diversity Award – Graduate student (individual nomination)	January 2016 & January 2017
Future Voices Sustainability Art Contest	May 2015 – December 2015
Marine Estuarine and Environmental Science Fellowship award	August 2005 – December 2006
Kirtland's Warbler Research and Training Program Scholarship	August 2003 – May 2005
Marilu Tolo Scholarship	August 1998 – December 2001

TEACHING EXPERIENCE

Miami University, Oxford OH Laboratory Instructor - Ornithology Developed teaching materials and examinations, following established format, administered grades	2018
Laboratory Instructor – Introductory Biology Followed established procedures and format, administered grades	2017
Assistant Instructor – Tropical Marine Ecology Delivered ecosystem content and supported student learning and in water safety; trained students in ecosystem survey methods	2015
Instructor – Social Media 101 (Institute for Learning in Retirement) Developed syllabus and adaptive course content to introduce nontraditional students to modern social media	2015
Instructor – Photography, Conservation and Culture in the Bahamas (Study Abroad, USA – Bahamas) Developed syllabus and overall course structure in collaboration with Art faculty; planned, coordinated and lead students on multi-island study abroad workshop	2015
Teaching Assistant – Tropical Marine Ecology Delivered ecosystem content and supported student learning and in water safety; trained students in ecosystem survey methods	2013
Bahamas Reef Environment Educational Foundation, San Salvador Island, Bahamas Instructor Teacher Training Workshop 2011 – Coral Reef Ecology, Sustainability, and Water Safety Developed course content and teaching materials to meet student needs; supported student safety in water	2010

Instructor Teacher Training Workshop 2009 – Coral Reef Ecology, Terrestrial Ecology, and Water Safety Developed course content and teaching materials to meet student needs; supported student safety in water	2008
University of the Bahamas, Nassau N.P., Bahamas	
Lecturer – Introductory Biology (Non-Majors) Developed course content and teaching materials to meet established curriculum requirements	2010
University of Maryland Eastern Shore, Oxford OH	
Lab Instructor – Marine Botany Taught practical procedures and methods for Marine Botany, administered grades	2006
Instructor - Biology Lab Followed established syllabus and format, administered grades	2005
Supplemental Instructor – Calculus Based Physics Provided alternative teaching methods for physics students	2005
Supplemental Instructor – Economics (Micro/Macro) Provided alternative teaching methods for economics students	2005
Professional Association of Dive Instructors (PADI)	
Open Water SCUBA Instructor/ CPR and First Aid Instructor Safely deliver and evaluate standardized measures based content focused on mastery	2009
ReefCheck, Tropical Western Atlantic	
Instructor Taught local groups how to conduct a ReefCheck coral reef ecosystem survey using SCUBA or snorkel gear	2009
Atlantic and Gulf Rapid Reef Assessment (AGRRA)	
Instructor Taught local groups how to conduct AGRRA marine assessments, coral and fish Identification	2011

LEADERSHIP EXPERIENCE

BirdsCaribbean, Virginia, USA; Bahamas; Caribbean	
Director-At-Large Promote and implement multilingual bird related education, training and conservation throughout the Caribbean; translate and review articles for the Journal of Caribbean Ornithology; Coordinate regional meetings with across political, linguistic and cultural borders with diverse partners	October 2012 – present
Bahamians Educated in Natural and Geospatial Sciences	
Founder – Primary Coordinator Connect Bahamian students and scientists with educational and professional opportunities in science, locally and internationally; foster an interdisciplinary network of scientists in the Bahamas	February 2011 – present
Graduate Students of All Nations, Miami University, Oxford OH, USA	
Founder - President Support and advocate for international students and scholars' social, economic, and academic success through collaboration with on-campus support services and local businesses	August 2015 – present
Graduate Council, Miami University, Oxford OH, USA	
Graduate Students of Color/ Graduate Students of All Nations representative Support and advocate for graduate students of color and international students and scholars' social, economic, and academic success via evaluation of graduate school petitions and discussions of university policy.	August 2015 – present
Center for American and World Cultures Advisory Council, Miami University, Oxford OH, USA	
Member – Graduate Student Representative Support and advocate for international students and scholars' social, economic, and academic success through collaboration with on-campus support services and local businesses	August 2015 – present

Midwest Ecology and Evolution Conference

Steering Committee - Social Media and Website Coordinator

May 2015 – May 2016

Developed and coordinated digital website content and integration with social media and email publicity of the event; coordinated transfer of content to subsequent conference committee

Biology Graduate Student association, Miami University, Oxford OH, USA

Graduate Student Representative to the Biology department Visibility and Web Committee

May 2014 – May 2015

Support Biology Department use of digital media via web pages and social media, to promote student work and program offerings.

Biology Graduate Student association, Miami University, Oxford OH, USA

Graduate Student Representative to the Biology department faculty meetings

May 2014 – May 2015

Provide Graduate student perspective on topics of concern in faculty meetings and report to Biology Graduate Student Association on topics discussed in the meetings.

The Nature Conservancy (TNC)

Conservation Coordinator

July 2008 – August 2012

Coordinated conservation capacity building, outreach, and education projects in the Bahamas. Recruited or trained Bahamian researchers to collect ecosystem data in marine environments. Coordinated with National Ministries to deliver appropriate educational content to agents and schools throughout the country.

The Kerzner Marine Foundation's (KMF) "The Blue Project"

Coordinator

July 2008 – August 2012

Established and monitored appropriate goals, timelines and budgets to improve national capacity for conservation of native coral reefs and associated ecosystems. Coordinated conservation capacity building, outreach, and education projects in the Bahamas. Recruited or trained Bahamian researchers to collect ecosystem data in marine environments. Coordinated with National Ministries to deliver appropriate educational content to agents and schools throughout the country.

The College of the Bahamas Job Placement and Career Advisory Committee

Science and Environment Industry Representative – Elected Vice Chair (August 2010- June 2011)

September 2009 – June 2011

Established student engagement and training goals, coordinated national career day for college and high school students with interdisciplinary team. Collaborated with industry and government agency leadership to determine national goals for capacity building and education.

The Bahamas Million Tree Campaign

Coordinator

August 2008 – December 2009

Collaborated with Ministry of Environment, Bahamas National Trust, The Nature Conservancy and Commercial Plant growers to develop a nationwide native plant discount program and collect volunteer data from local groups and individuals that planted native species. Coordinated tree plantings with local government and official opposition ministers in public parks nationwide.

The Khaled bin Sultan Living Oceans Foundation (LOF) - Global Reef Expedition

Bahamas Coordinator

August 2010 – December 2011

Drafted application for the Bahamas to be the first country on the Global Reef Expedition. Collaborated with The LOF, government ministries, NGO's and commercial partners to develop local itineraries, priorities and best practices for marine research. Coordinated local scientists to participate in data collection including developing training programs where necessary to develop needed capacity. Conducted data collection and entry using AGRRA protocols. Facilitated import of specialized equipment for visiting scientists.

The Bahamas First Coral Nurseries – New Providence, Bahamas

Project Leader

August 2010 – August 2012

Assessed and adapted US National Oceanic and Atmospheric Administration and Coral Restoration Foundation techniques and procedures for application in the Bahamas. Used Geospatial Information Systems to determine feasible locations for coral nursery implementation. Collaborated with TNC, KMF, BNT and Bahamas Department of Marine Resources to raise funds for training, supplies and

implementation. Coordinated local and international scientists for training and nursery establishment. Maintained nursery records and assessed coral growth.

The Bahamas National Coastal Awareness Committee

Social Media Chair

January 2011 – May 2012

Represented The Nature Conservancy and scientific community on the committee. Established communication priorities around the selected theme. Developed and coordinated outreach and communication via Social Media.

The Bahamas National Biodiversity Sub-committee to the Bahamas Environment Science and Technology (BEST) Commission

Ecologist/ TNC Representative

January 2011 – May 2012

Represented The Nature Conservancy and scientific community on the committee. Along with the committee evaluated species introductions, infractions against CITES regulations, proposed large-scale agricultural and sustainable energy developments and oil exploration regulations.

The Bahamas National Oil Spill Response Team

Logistic coordinator/Terrestrial, Avian and Marine Survey Observer

April 2010 – May 2010

Collaborated with local and international scientists, government agencies and military personnel to conduct pre-impact ecosystem assessment of the Cay Sal Bank, in response to the Deep Water Horizon Oil Spill. Facilitated research and training meetings for oil spill response team members.

Center for American and World Cultures

Graduate Assistant

October 2014 – August 2016

Develop and manage media database, social media and website content; develop and distribute event publicity materials to partners and public; compile and share international student feedback when appropriate

RESEARCH EXPERIENCE

Miami University, Oxford, OH, USA

Primary Investigator – Habitat, observer and bird diversity in eBird records

August 2015 – December 2019

Generate habitat maps and analyze citizen-science bird records for the island of Grand Bahama to determine the impact of habitat, observer diversity and avian species occurrence on the biodiversity record.

Community Conch – Berry's Conch Project - Berry Islands, Bahamas

Field Technician

June 2009

Conducted towed snorkeler and SCUBA transect surveys for conch (*Lobatus gigas*) along with biometrics to determine conch population size, distribution and demographics

University of Maryland Eastern Shore, Indian River Inlet, DE and Princess Anne, MD

Researcher - Epifauna and epiflora of *Fucus vesiculosus* in Indian River Inlet.

August 2005 – December 2006

Conducted water quality analysis and taxonomic identification of macroalgae, microalgae, and crustaceans associated with *Fucus vesiculosus* (Bladder wrack) in the Delmarva Peninsula.

Field and Lab Technician – UMES Precision Agriculture Project

August 2005 – December 2006

Conducted drone flights using fixed wing and helicopter style remote controlled aircraft to collect visual data on agricultural fields. Used ArcGIS to orthorectify and classify images for use in precision agriculture studies. Trained graduate and undergraduate students in the use of Unmanned Aerial Vehicles and digital imaging equipment and software. Developed procedure manuals for common lab activities.

Abaco Parrot Project – Abaco Island, Bahamas

Field and GIS Technician

May 2003 – August 2004

Worked closely with the endangered, endemic Bahama Parrot (*Amazona leucocephala bahamensis*). Searched for and monitored nests, conducted surveys of nesting activity and assessments of nesting habitat. Used ArcGIS to view maps and plan research activities with lead investigators. Supported international researchers in the identification of native plants and Spanish-English translation of written materials and verbal communication with partners from Puerto Rico.

Kirtland's Warbler Recovery Effort – Andros and Eleuthera Islands, Bahamas

Field Technician

May 2003 – August 2004

Observation, capture, identification, banding and measurement of native/migrant bird species, specifically the endangered Kirtland's warbler (*Dendroica kirtlandii*) Identification and measurement of native plant species. Data analysis and presentation. Recruitment of new students into the program

United States Fish and Wildlife Service (USFS) – Huron Manistee National Forest, Mio, MI, USA

Summer Intern

June 2002 – August 2002

Delivered public lectures on the ecology of the Bahamas. Assisted researchers in radiotelemetry and capture of Massasauga rattlesnakes (*Sistrurus catenatus*) and Box turtles (*Terrapene* sp.). Survey endangered Kirtland's Warblers as part of annual census. Enter survey data into Arc View GIS database.

OTHER EMPLOYMENT EXPERIENCE

Dolphin Cay, Atlantis, Paradise Island, Bahamas

Dolphin Trainer

July 2008 – August 2008

Observe and report on dolphin and sea lion behavior. Prepare food according to animal needs and veterinary staff recommendations.

SCUBA diver

April 2007 – July 2008

Maintain safe, hygienic environment in dolphin and sea lion habitats. Small engine maintenance and repair. Forklift operation.

Bahamas Humane Society, Bahamas

Kennel Care Technician/ Veterinary Assistant

July 2008 – August 2008

Dog and cat obedience training using positive reinforcement and Least Reinforcing Stimuli. Kennel cleaning and maintenance. Inspect animals for injury and administration of medication. Humane and ethical care of animals was the priority.

PUBLICATIONS AND PAPERS

Rivera-Milán, F. F., Collazo, J. A., Stahala, C., Moore, W. J., **Davis, A.**, Herring, G., ... Bracey, W. (2005). Estimation of density and population size and recommendations for monitoring trends of Bahama parrots on Great Abaco and Great Inagua. *Wildlife Society Bulletin*, 33(3). [https://doi.org/10.2193/0091-7648\(2005\)33\[823:EODAPS\]2.0.CO;2](https://doi.org/10.2193/0091-7648(2005)33[823:EODAPS]2.0.CO;2)

Davis, Ancilleno. 2006. *Epifloral and epifaunal assemblage of Fucus vesiculosus L (bladderwrack) in Indian River Inlet, Delaware, USA.* Master's Thesis

Currie, D., J.M. Wunderle, Jr., D.N. Ewert, M. Anderson, **A. Davis**, and J. Turner. 2005. Winter habitat distribution of birds in central Andros, The Bahamas: implications for management. *Caribbean Journal of Science* 41:75-87.

Currie, D., J.M. Wunderle, Jr., D.N. Ewert, **A. Davis**, and Z. McKenzie. 2005. Winter avian distribution in six terrestrial habitats on southern Eleuthera, The Bahamas. *Caribbean Journal of Science* 41:88-100.

Bahamas Reef Environment Educational Foundation. "Take Care of the Coral Reefs!"

INVITED TALKS AND PRESENTATIONS

Davis, Ancilleno (June 3rd 2017) *Changing Faces of International Bird Conservation. The Kirtland's Warbler Festival, Roscommon, MI.*

Davis, Ancilleno (2017) Keynote presentation: Preserving "Our Michigan" Birds in the Bahamas, an Overview of Bahamian and Caribbean Conservation and the Importance of Citizen Science. Detroit Audubon Annual Earth day Celebration and Teach-In: "Soaring to New Heights" April 22nd 2017.

Davis, Ancilleno (2017) *Lost in transition: Studying working and living across boundaries. 14th annual Miami English Graduate and Adjunct Symposium, Friday March 10 2017. Miami University, Oxford, OH.*

Davis, Ancilleno (2016) *Transitions: How International Students Experience and Survive American Academia. Race Class Gender and Sexuality Symposium, Wright State University, Dayton, OH.*

Davis, A., Loring, G. (2015) *Cornucopia, Utopia, Dystopia: public sculpture and interactive experience*. Miami University, Oxford, OH.
<https://www.facebook.com/MUcornucopia>; <https://twitter.com/MUcornucopia>

Davis, Ancilleno (2015) *The Caribbean Birding Trail: Local Experts Lead the Way*. Miami Valley Audubon, May 11th 2015, Oxford, OH

Palmeri, J., Kashtan, A., Mina, L., Hasan, A., Bui, H., **Davis, A.** and Cimasko, T. (2015). *Dead Weight? Addressing On-Campus Racial Politics in the Class room in the Wake of the 'Concerned Faculty Member' Letter*. Race Class Gender and Sexuality Symposium, Miami University, Oxford, OH.

Davis, Ancilleno (2014) *A Birder's Migration (Talk March 7th and Photography Exhibit March 3rd-28th)* MacMillan Hall, Miami University, Oxford, OH.

Davis, Ancilleno (2014) *Local Science, Internationally: Something for Nothing*. 11th Annual Miami English Graduate and Adjunct Symposium, March 14th, 2014, Miami University, Oxford, OH.

Davis, A., The Kerzner Marine Foundation, The Nature Conservancy (2012) *The Blue Project: Coral Conservation, Monitoring and Capacity Building*. Poster presentation at the International Coral Reef Symposium, Cairns Australia, 2012

LANGUAGES

English – native language
Spanish – speak, read and write fluently
American Sign Language - basic

MEMBERSHIPS

Bahamians Educated in Natural and Geospatial Sciences - Founder
BirdsCaribbean – Director-at-Large
Graduate Students of All Nations – Founder/ President
PADI – Professional Association of Dive Instructors – Open Water Instructor

CERTIFICATIONS

PADI – Open Water SCUBA instructor
Emergence First Response First aid and CPR instructor
Reef Resilience Trainer
ESRI ArcGIS certificate
Rotomotion UAV pilot certificate