## PROGRAM OF THE 1ST BAHAMIAN NATURAL HISTORY CONFERENCE

**Location:**
- Performance Arts Center, Foyer
- Harry C. Morris Library, Foyer

### Tuesday, March 5th

#### 7:30 AM
**REGISTRATION**

#### 9:00 AM
**OPENING CEREMONY**
- Opening Prayer
- National Anthem
- **HONORARY GUESTS**
  - Opening Address
- Eric Carey, Executive Director, Bahamas National Trust

#### 10:00 AM
**Coffee Break**

#### 10:10 AM
**The Hon. J. Maynard Ferguson, M.P.**
- President, The College of The Bahamas

#### 10:30 AM
**The Hon. K. L. Ncot, M.P.**
- Minister of Education, Science and Technology

#### 11:00 AM
**The Rt. Hon. Perry G. Christie, P.M.**
- Prime Minister of the Commonwealth of The Bahamas

#### 11:30 AM
**PERMANENT HONORARIES**
- The Rt. Hon. Kenred Dorsett, M.P.
- The Hon. Jerome Fitzgerald, M.P.
- Dr. Betsy Vogel-Boze

#### 12:00 PM
**NOON**
- National Anthem
- Opening Prayer
- **OPENING CEREMONY**
- Welcome Reception: The Retreat, Village Road, Bahamas National Trust

#### 1:00 PM
**Lunch**

#### 1:10 PM
**Dr. Craig Dahlgren:**
- Ecosystem, Perry Institute for Marine Science

#### 1:30 PM
**Erasin A. Harron:**
- Bahamas National Trust

#### 2:00 PM
**Film**
- The Perry Institute for Marine Science: A retrospective look at 40 years of marine research on Lee Stocking Island, Bahamas

#### 2:30 PM
**Coffee Break**

#### 3:00 PM
**Ginger Mitchell:**
- Bahamas Marine Science

#### 3:30 PM
**Daniel B. S. Odom:**
- American Museum of Natural History
- Bahamas network of marine protected areas: Basic concepts and progress on key scientific questions from research in The Bahamas over the last decade

#### 4:00 PM
**Karen James:**
- Archie Carr Center for Sea Turtle Research, University of Florida
- Biology of green turtles and hawksbills on foraging ground in the Southern Bahamas: Insights from 35 years of field work

#### 4:30 PM
**Melanie Devore:**
- Georgia College & State University
- Divers, dates, and documenting the successfulness of a marine park

#### 5:00 PM
**Krista Sherman:**
- Bahamas National Trust

#### 5:30 PM
**Sarah Wise:**
- Tropical Marine Research Institute, Bahamas National Trust
- Final Boundaries: A Social Science Perspective of Marine Protected Area Conservation in The Bahamas

#### 6:00 PM
**Coffee Break**

#### 6:30 PM
**Nancy Albury:**
- Bahamas National Museum of Natural History
- Are clues from our past charting our future? Lessons learned from The Bahamas Blue Holes

#### 7:00 PM
**Stephen Connolly:**
- Archie Carr Center for Sea Turtle Research, University of Florida
- Engaging young Bahamians in sea turtle research and conservation

#### 8:00 PM
**Environmental Stewardship Conservation Roundtable**
- Using visitors to collect scientific information (Coordinator: Sandra Vaughn)

#### 9:00 PM
**Marine Invasives** (Moderator: Lionel Johnson, The College of The Bahamas)
- Redecking Lucayan Lifeways - A Paleodemography of The Pre-Columbian Bahamas
- Lucayan Ethnobiology
- Ethnobiology & Lucayan Lifeways (Coordinator: Dr. Dion Hepburn, The College of The Bahamas)

#### 10:00 PM
**Sharks** (Moderator: )
- Environmental Stewardship and Citizen Collaboration

**Location:**
- Harry C. Moore, Conference Room
- Harry C. Moore, Auditorium
- Harry C. Moore, Foyer
- Harry C. Moore, Library
- Harry C. Moore, Performance Arts Center, Auditorium

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### PROGRAM UPDATES

**Updated Feb 26, 2013 VHB**

**Participants responsible for their own transportation to The College of The Bahamas’ Library**

**Location:**
- Harry C. Morris Library, Foyer
- Performance Arts Center, Foyer
- Harry C. Moore Library, Foyer
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- Performance Arts Center, Auditorium
- Performance Arts Center, Library
- Performance Arts Center, Auditorium
Wednesday, March 6

8:30 AM  Dr. John Iserson Plenary, Eartham College  The endangered Allen Cays Iguanas: What three decades of research in the Exumas have revealed  Harry C. Moore, Auditorium

9:30 AM  William K. Haynes, Loma Linda University  Biodiversity of amphibians, reptiles, and birds in The Bahamas: hotspots, prioritization, and protection  Performance Arts Center, Auditorium

9:50 AM  Ricardo Fouche, Loma Linda University  Ecology and conservation of The Bimini Box (Epseistia ceylonensis)  Performance Arts Center, Auditorium

10:00 AM  Charles Kerby, John G. Shedd Aquarium  Physiological impacts of tourism and food supplementation on endangered insular iguanas  Performance Arts Center, Foyer

10:30 AM  Lunch  Performance Arts Center, Foyer

11:00 AM  William K. Haynes, Loma Linda University  Behavioral ecology and conservation of the rock iguana (Cyclura cychlura)  Performance Arts Center, Foyer

11:10 AM  Cameron Saunders, Bahamas National Trust  Ecosystem restoration on Allen Cay: Removing invasive mice  Performance Arts Center, Foyer

11:30 AM  Kristy Seymour, Island Conservation  Conservating Caribbean Islands: Removing invasive animals to protect biodiversity  Performance Arts Center, Foyer

11:30 AM  Lunch  Performance Arts Center, Foyer

1-2:30 PM  Coffee Break  Performance Arts Center, Foyer

2:30 – 5:30  Coffee Break (Coordinator David Philip, Cape Eleuthera Institute)  Harry C. Moore, Conference Room

Concurrent Activity:  Plant Ecology and Conservation (Moderator: Ethan Fried, Bahamas National Trust)  Harry C. Moore, Auditorium

2:30 PM  Erica Kijowski, Florida Southern College  Effects of local weather on the fire regime and vegetation structure of Andros Island, Bahamas  Harry C. Moore, Auditorium

2:40 PM  Ethan Fried, Bahamas National Trust  The making of the Levi Levy Native Plant Preserve, Eleuthera  Performance Arts Center, Foyer

2:50 PM  Mark Daniels, Bahamas National Trust  The Levi Levy Native Plant Preserve: Current Status and Future Plans  Performance Arts Center, Foyer

3:10 PM  Naqui Mann, Department of Environment & Maritime Affairs, Turks & Caicos Islands  Botanical conservation and research in TCI: Challenges and opportunities  Performance Arts Center, Foyer

3:30 PM  Michael Vincent, Miami University  Introduced invasive species in the flora of the Bahamas  Performance Arts Center, Foyer

3:30 PM  Lunch  Performance Arts Center, Foyer

3:30 PM  Coffee Break  Performance Arts Center, Foyer

4:00 PM  Frank T. Reina-Milam, United States Fish & Wildlife Service  Resilience of endemic parrot populations on Great Abaco and Great Inagua, Bahamas  Harry C. Moore, Auditorium

4:10 PM  Dave Ewert, The Nature Conservancy  Introduction to the Kfeldin's Warbler research and training project  Harry C. Moore, Auditorium

4:30 PM  Zekia McKenzie, College of The Bahamas  Managing habitat for Kfeldt's Warbler conservation in The Bahamas  Harry C. Moore, Auditorium

4:30 PM  Coffee Break  Harry C. Moore, Foyer

4:40 – 5:00  POSTER SESSION:  Harry C. Moore, Library, Foyer

Poster Session:

1  Stephanie Archer, Florida International University  Sponge diversity of near shore habitats of Abaco  Amber Brooke, Cape Eleuthera Institute  A preliminary assessment of the spatial dynamics of immature green turtles (Caretta caretta) within a foraging ground on the Atlantic coast of Eleuthera, The Bahamas

2  Keana Bright, Young Marine Explorers  Saving the reclaimed one rule at a time  Palomo Datunag, Monroe University  Carbon sequestration of mangrove flats in Eleuthera, The Bahamas

3  Luis Porteous, The National Science Foundation  Long-Term Climate Change and Historic Response from Two Blue Holes in the Bahamas  Justin Lewis, St. Francis Xavier University  Beneficial ecology and conservation in The Islands of the Bahamas

4  Abarth Harrison, University of Queensland  The role of Earthwatch volunteers and island school students to understand the role of patch reefs and mangrove creeks as nursery habitats in Eleuthera  Abbie Peterson, Friends of The Environment  Supporting Collaboration, Inspiring Conservation

5  Shandelle Wilson, Young Marine Explorers  Environmental Ambassadors: Inspiring leaders that shape communities and conserve the environment  John Wunderle, USDA Forest Service  Mapping forest height, foliage height profiles, and disturbance type and age with satellite imagery to characterize Kfeldt's Warbler habitat on southern Eleuthera, The Bahamas

6  Jennifer White, Puerto Rico Conservation Foundation  Importance of winter dry season rainfall and other abiotic factors in affecting abundance of fruits consumed by the Kfeldt's Warbler and other bird species on Eleuthera, The Bahamas  Sarah M. New, Young Marine Explorers  Natural selection: A comparison of tourism models between The Bahamas and Galapagos

7  Naqui Mann, Department of Environment & Maritime Affairs, Turks & Caicos Islands  Botanical research and conservation work in the Turks and Caicos Islands  Naqui Mann, Department of Environment & Maritime Affairs, Turks & Caicos Islands  Botanical research and conservation work in the Turks and Caicos Islands

8  Carolina Landa, Ohio State University  Plant use by Mitchell (Hymenoptera: Megachilidae) on San Salvador, Bahamas  Carolina Landa, Ohio State University  Plant use by Mitchell (Hymenoptera: Megachilidae) on San Salvador, Bahamas

9  Kendria Ferguson, Bahamas Marine Mammal Research Organization  Managing habitat for Kfeldt’s Warbler conservation in The Bahamas  Kendria Ferguson, Bahamas Marine Mammal Research Organization  Managing habitat for Kfeldt’s Warbler conservation in The Bahamas


11  Kurt sexual Chmura, Earlham College  Saving the reclaimed one rule at a time  Anastasia Kurosawa, University of Connecticut  Saving the reclaimed one rule at a time  Anastasia Kurosawa, University of Connecticut  Saving the reclaimed one rule at a time

12  Sarah M. New, Young Marine Explorers  Natural selection: A comparison of tourism models between The Bahamas and Galapagos  Keana Bright, Young Marine Explorers  Saving the reclaimed one rule at a time

13  Saunye Mann, Department of Environment & Maritime Affairs, Turks & Caicos Islands  Rescued and collection of endemic and endangered plants project: Turks & Caicos Islands  Saunye Mann, Department of Environment & Maritime Affairs, Turks & Caicos Islands  Rescued and collection of endemic and endangered plants project: Turks & Caicos Islands

14  Naqui Mann, Department of Environment & Maritime Affairs, Turks & Caicos Islands  Botanical research and conservation work in the Turks and Caicos Islands  Naqui Mann, Department of Environment & Maritime Affairs, Turks & Caicos Islands  Botanical research and conservation work in the Turks and Caicos Islands

15  Carolina Landa, Ohio State University  Plant use by Mitchell (Hymenoptera: Megachilidae) on San Salvador, Bahamas  Carolina Landa, Ohio State University  Plant use by Mitchell (Hymenoptera: Megachilidae) on San Salvador, Bahamas

16  Kendria Ferguson, Bahamas Marine Mammal Research Organization  Managing habitat for Kfeldt’s Warbler conservation in The Bahamas  Kendria Ferguson, Bahamas Marine Mammal Research Organization  Managing habitat for Kfeldt’s Warbler conservation in The Bahamas

17  Kelly Boothe, Bahamas National Trust  Improving coastal habitats through removal of invasive species  Kelly Boothe, Bahamas National Trust  Improving coastal habitats through removal of invasive species

18  John A. Tiedemann, Monmouth University  Botanical research and conservation work in the Turks and Caicos Islands  John A. Tiedemann, Monmouth University  Botanical research and conservation work in the Turks and Caicos Islands

19  Keana Bright, Young Marine Explorers  Saving the reclaimed one rule at a time  Keana Bright, Young Marine Explorers  Saving the reclaimed one rule at a time

20  Kendria Ferguson, Bahamas Marine Mammal Research Organization  Managing habitat for Kfeldt’s Warbler conservation in The Bahamas  Kendria Ferguson, Bahamas Marine Mammal Research Organization  Managing habitat for Kfeldt’s Warbler conservation in The Bahamas
Thursday, March 7

9:00 AM Tony White Plenary  
Overview of Bahama Biodiversity: Change that occurred in Bahama Birdlife 50 - 100 years  
Harry C. Moore, Auditorium

10:00 AM Scott Johnson, Bahamas National Trust  
Birds (Moderator: Lynn Capp, Bahamas National Trust)  
Harry C. Moore, Auditorium

10:20 AM Oona Takacs, University of Florida  
Late Holocene bird communities from The Bahamas and Hispaniola: Comparing the chronology of ornithic extinction in the West Indies  
Harry C. Moore, Auditorium

11:00 AM Andrew Kaulin, University of Florida  
A timeline resource: the value of dinosaur bird collections  
Harry C. Moore, Auditorium

11:15 AM William Mackie, Clemson University  
Secrets of the City - Black, The Bahamas - Report from an expedition in May 2017  
Harry C. Moore, Auditorium

11:45 AM Caroline Stahala, Florida State University  
Results of South African predator management on the Bahamas Patates (Ameiurus ocellatus/plebeius bahamensis)  
Harry C. Moore, Auditorium

12:00 PM Coffee Break  
Harry C. Moore - Foyer

12:10 AM Walker Gold, National Audubon Society  
The Discovery of Important shorebirds overwintering sites in the Bahamas  
Harry C. Moore, Auditorium

12:20 PM Nancy Clay, Wildlife Conservation Society  
Flamingos in The Bahamas: Past, present and future  
Harry C. Moore, Auditorium

12:30 PM William K. Hayos, Luna Linda University  
James Bond and the mysteries of bird taxonomy: newly recognized bird species in The Bahamas and conservation implications  
Harry C. Moore, Auditorium

12:50 PM Caroline Stahala, Florida State University  
Aggregational nesting of Bahama Patates (Ameiurus ocellatus/plebeius bahamensis) in South Africa  
Harry C. Moore, Auditorium

1:00 - 2:00 Lunch  
Harry C. Moore - Foyer

1:00 PM Kathleen Sullivan-Skelly, University of Miami  
Occurrence and impacts of chironomid and acetic coastal hypoxia in The Bahamas: macro algal indicators of eutrophication and human community impacts  
Harry C. Moore, Auditorium

1:20 PM Thomas J. Goruna, Global Coral Reef Alliance  
Half course fertilizer runoff causes nutrient enrichment leading to harmful algae blooms on a Bahamian coral reef  
Harry C. Moore, Auditorium

1:40 PM Deborah Frisley, New Jersey City University  
Overlooking the obvious: Conservation of the ecosystem engineers  
Harry C. Moore, Auditorium

2:00 PM Jacob E. Allgeier, University of Georgia  
Implications of fish mismatches for coastal ecosystem function  
Harry C. Moore, Auditorium

2:20 PM Coffee Break  
Harry C. Moore - Foyer

2:40 PM Patricia Kramer, Penge Environmental  
Long term changes on Andros coral reefs  
Harry C. Moore, Auditorium

3:00 PM Larry Battles, Walt Disney World  
Creating a community: A model for restoration and management  
Harry C. Moore, Auditorium

3:20 PM Felicity Burrows, The Nature Conservancy  
Reinventing Degraded: Accepting Reefs Throughout The Bahamas  
Harry C. Moore, Classroom

3:40 PM Carla Maxted, University of Padova, Italy  
BACH Bahamas: A coral reef Hope Spot Project  
Harry C. Moore, Auditorium

3:50 PM Coffee Break  
Harry C. Moore - Foyer

4:00 PM Dr. Livingston Marshall Plenary  
Conservation Cinema  
Harry C. Moore, Auditorium

4:40 PM Jacob E. Allgeier, University of Georgia  
Conservation Cinema  
Harry C. Moore, Auditorium

5:15 PM Caroline Stahala, Florida State University  
Conservation Cinema  
Harry C. Moore, Auditorium

5:45 PM Caroline Stahala, Florida State University  
Conservation Cinema  
Harry C. Moore, Auditorium

7:00 PM Closing Reception: The Retreat, Village Road, Bahamas National Trust  
Harry C. Moore, Auditorium

Friday, March 8

9:00 AM Dr. Livingston Marshall Plenary  
Conch (Moderator: Jared Diller, Bahamas National Trust)  
Harry C. Moore, Auditorium

10:00 AM Alexander Terrell, John G. Shedd Aquarium  
Queen Conch populations in the context of coral reef community metrics  
Harry C. Moore, Auditorium

10:20 AM Claire Thomas, Cape Eleuthera Institute  
The status of Queen Conch (Lobatus gigas) populations off South Eleuthera, The Bahamas  
Harry C. Moore, Auditorium

11:00 AM Catherine Beeler, Community Conch  
Conserving a cultural resource: Reconsidering Queen Conch fishery management in The Bahamas  
Harry C. Moore, Auditorium

11:30 AM Coffee Break  
Harry C. Moore, Auditorium

11:40 AM Diane Cleary, Bahamas Marine Mammal Research Organization  
Health status and marine sound in The Bahamas  
Harry C. Moore, Auditorium

12:00 PM Todd Kemp, Atlantis Paradise Island  
Conservation Value of Exhibiting Giant Manta Rays (Manta birostris) at Atlantis, Paradise Island, Bahamas  
Harry C. Moore, Auditorium

12:20 PM Jacques Miller, University of Florida  
Biodiversity and biogeography of Lepidoptera in The Bahamas  
Harry C. Moore, Auditorium

12:40 PM Tani Lautoka, State University of New York  
Economically and ecologically sustainable harvest of the blue land crab (Callinectes sapidus) in The Bahamas - a conservation genetics perspective  
Harry C. Moore, Auditorium

1:00 PM Keith Rank, University of Florida  
Using ecological and evolutionary data to understand the effects of climate change on bivalve in The Bahamas  
Harry C. Moore, Auditorium

1:00 - 2:00 Lunch  
Harry C. Moore, Auditorium

1:00 - 1:30 Concurrent Activity  
Roundtable: Exploring Nassau - Miami Connections through Urban Ecology  
Harry C. Moore, Classroom

1:30 - 2:00 Concurrent Activity  
Roundtable: Coordinator - Jared Diller, Conservation Project Coordinator, Bahamas National Trust  
Harry C. Moore, Classroom

2:30 PM Francis Grant-Suttie, VP of Atlantic Fly-away Plenary  
Harry C. Moore, Auditorium

3:30 PM Eric Carey  
Closing Remarks: Conference Overview and The Future  
Harry C. Moore, Auditorium

7:00 PM Closing Reception: The Retreat, Village Road, Bahamas National Trust  
Harry C. Moore, Auditorium