

E-Reef Conference October 2020

Day 1 – Taxonomy / Anatomy / Physiology

Welcome and Introduction

Coral Anatomy

Coral Taxonomy 2020 - Where it's at & How to use it

Coral Physiology

Panel Q&A

Dr Rob Jones

Dr Brett De Poister

Russell Kelley

Dr Paul R Jones

BREAK

Collection and Transport of Corals

Palytoxins

Coral Nutrition: Food for Thought and Practical Applications in Reef Aquarium Husbandry

Panel Q&A

Daniel Kimberley

Dr Rob Jones

Julian Sprung

Day 2 – Water Chemistry / Quality and Life Support Systems

Welcome and Introduction

The Nitrogen Cycle and Biofiltration

Reef Chemistry

ICP-OES Lab Testing of Marine Aquarium Water - The Foundation of Modern Reef

Keeping

Panel Q&A

Dr Rob Jones

Dr Michael Grima

David Lee

Ehsan Dashti and

Julian Baggio

BREAK

Foam Fractionation and Ultraviolet

Happy Corals - It's about the Lighting

Water Flow for Reef Aquaria

Panel Q&A

Dr Rob Jones

Brendan Sullivan

Charles Delbeek

Day 3 – Breeding and Conservation

Welcome and Introduction

Coral Reproduction an Overview: What We Think We know

AZA Florida Reef Tract Rescue Project

Conservation of Corals at The Florida Aquarium

Panel Q&A

Dr Rob Jones
Skylar Snowden
Beth Firchau and
Brian Nelson
Rachel Serafin

BREAK

SECORE - Saving the Seas with Sex

Conservation in Curaçao - Facilitation of Sexual Reproduction in *Diploria labyrinthiformis*

Daydream Island Coral Restoration Program

Using Cryopreservation to Secure Coral Reef Biodiversity

Panel Q&A

Mitch Carl
Lauren Marcon
Johnny Gaskell
Dr Jon Daly

Day 4 – Biosecurity / Disease and Management AND Building / Maintaining a Reef Tank

Welcome and Introduction

A Simple Methodology to Finding Success with Home Reef Aquariums

Ten minute video of home reef tank

Design Consideration with Large Scale Public Reef Aquariums

Fragging Techniques

Panel Q&A

Dr Rob Jones
Sam Parker
Li Zhuo
Bradley Dohnt
Bradley Dohnt

BREAK

Overview of Common Coral Pests and Management Strategies

Coral Diseases

Biosecurity and Quarantine of Corals

Panel Q&A and Conference Closure

Barrett Christie
Dr Ilze Berzins
Dr Rob Jones