

2019 RAW DRAFT Schedule

*Date	*Time Start	*Time End	*Session or Sub-session(Sub)	*Session Title	Room/Location	Description	Speakers	Authors
5/12/2019			SUNDAY May 12, 2019			TAG MEETINGS/ Set Up		
5/12/2019	12:00 PM	9:00 PM	REGISTRATION/ Add'l Ticket sales/ Book Sales					
5/12/2019	12:00 PM	8:30 PM	TAG Meetings			Steering Committee Planning and Strategic Planning		
5/12/2019	12:00 PM	3:00 PM	AITAG Steering Committee					
5/12/2019	3:00 PM	5:30 PM	FFTAG Steering Committee					
5/12/2019	5:30 PM	8:30 PM	MFTAG Steering Committee			<i>to include dinner</i>		

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5/13/2019	8:00 AM	5:00 PM	MONDAY May 13, 2019		
5/13/2019	7:00 AM	5:00 PM	REGISTRATION/ Add'l Ticket sales/ Book Sales		
5/13/2019	7:30 AM	8:00 AM	Breakfast	Franklin	
			Union		
5/13/2019	8:00 AM	8:05 AM	Welcome		Doug Warmolts; Becky Ellsworth
5/13/2019	8:05 AM	8:30 AM	History of RAW		Pete Mohan
5/13/2019	8:30 AM	8:50 AM	Sub	Chambering the Chambered Nautilus: Raising Nautilus pompilius hatchlings in pressure chambers	Ellen Umeda
5/13/2019	8:50 AM	9:10 AM	Sub	Behavioral Complexity in Cephalopods (and I'm not talking octopus...)	Gregory Barord
5/13/2019	9:10 AM	9:15 AM	Sponsor (5)	Aqua Logic, Inc	
5/13/2019	9:15 AM	9:35 AM	Sub	Utilization of advanced diagnostic imaging in a zebra shark (Stegostoma fasciatum)	Katie Seeley
5/13/2019	9:35 AM	10:05 AM	Break	Franklin	
5/13/2019	10:05 AM	10:10 AM	Sponsor (5)	The Aquarium Vet	Union
5/13/2019	10:10 AM	12:10 PM	Sub	AITAG	Open Meeting
5/13/2019	12:10 PM	12:25 PM	Sponsor (15)	Animal Professional	
5/13/2019	12:25 PM	1:40 PM	Lunch	Lower Level Hotel	
			Freshwater Mussel		
			Union		
5/13/2019	1:40 PM	2:00 PM	Sub	The use of "omics" in freshwater mussel conservation	Ieva Roznere
5/13/2019	2:00 PM	2:20 PM	Sub	Freshwater Mussel In Vitro Research	Jacquelyn Halmbacher
5/13/2019	2:20 PM	2:25 PM	Sponsor (5)	See Clear, LLC	
5/13/2019	2:25 PM	2:45 PM	Sub	Flexing Our Mussels, Part Deux – Freshwater Mussel Husbandry and Collaborative Conservation at the Na	Andy Allison Andy Allison, Mikaela Foust
5/13/2019	2:45 PM	3:05 PM	Sub	Citizen Science, ex-situ, and in-situ Unionid Mussel Conservation: Possibilities for Zoos and Aquariums	Barrett Christie
5/13/2019	3:05 PM	3:10 PM	Sponsor (5)	Tenji Aquarium Design & Build	
5/13/2019	3:10 PM	3:40 PM	Break	Franklin	
			Advances in Invertebrate Husbandry		
			Union		
5/13/2019	3:40 PM	4:00 PM	Sub	Evaluation of anemone propagation as a more sustainable source	Jean-Paul Cole
5/13/2019	4:00 PM	4:20 PM	Sub	A Study of Culturing and Maintaining Jellyfish in Captivity: An Evolution of the Techniques Demonstrated	Marie-Lyne Deshaies
5/13/2019	4:20 PM	4:30 PM	Sponsor (10)		
5/13/2019	4:30 PM	4:50 PM	Sub	The Use of Visible Implant Elastomer (VIE) Tags in Jellyfish	Rachel Stein Rachel Stein; Bianca Milano; Lindsey Levine
5/13/2019	4:50 PM	5:10 PM	Sub	Aiptasia Anemones: An Overlooked and Cost-effective Invertebrate Enrichment	Sara Stevens
5/13/2019	5:10 PM	5:15 PM	Sponsor (5)	Flying Sharks, Lda	
5/13/2019	5:30 PM	7:00 PM	Open Elasmobranch SSP Stakeholder Meeting	Union	
5/13/2019	TBD		Pub Crawl		

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5/14/2019	8:00 AM	5:00 PM	TUESDAY May 14, 2019			
5/14/2019	7:00 AM	5:00 PM	REGISTRATION/ Add'l Ticket sales/ Book Sales			
5/14/2019	7:30 AM	8:00 AM	Breakfast	Franklin		
			Advances in Marine Fish Husbandry	Union		
5/14/2019	8:00 AM	8:30 AM	Sub	History and Evolution of Collection gear and species caught over the last Fifty Years	Forrest Young	
5/14/2019	8:30 AM	8:35 AM	Sponsor (5)	ReefBrite		
5/14/2019	8:35 AM	8:55 AM	Sub	Duped by a Fish: Livebearing Adventures in Larval Rearing of the Black Brotula, <i>Stygnobrotula latebricola</i>	Allison Waltz-Hill	Allison Waltz-Hill; Jeremy Brodt
5/14/2019	8:55 AM	9:15 AM	Sub	Operation Chill Out: New Husbandry Techniques for Split-Fin Flashlight Fish (<i>Anomalops katoptron</i>)	Nikki Eisenmenger	Nikki Eisenmenger; Tasha Esaki
5/14/2019	9:15 AM	9:20 AM	Sponsor (5)	Aquatic Exhibits International		
5/14/2019	9:20 AM	9:50 AM	Break	Franklin		
5/14/2019	9:50 AM	10:00 AM	Sponsor (10)	McRoberts Sales Co. Inc	Union	
5/14/2019	10:00 AM	12:00 PM	Sub	MFTAG	Open Meeting	
5/14/2019	12:00 PM	12:05 PM	Sponsor (5)	Dynasty Marine Associates, Inc		
5/14/2019	12:05 PM	1:20 PM	Lunch	Lower Level Hotel		
5/14/2019	12:30 PM	1:15 PM	Optional Media Training	Union	Patty Peters	
			Elasmobranch 1	Union		
5/14/2019	1:20 PM	1:30 PM	Sponsor (10)	Piscene Energetics		
5/14/2019	1:30 PM	1:50 PM	Sub	Advances in SAFE Sharks and Rays	Beth Firchau	Beth Firchau, Hap Fatzinger, Jill Arnold
5/14/2019	1:50 PM	2:10 PM	Sub	AZA SHARK SAFE, Animal Care Manuals	Kelli Cadenas	
5/14/2019	2:10 PM	2:15 PM	Sponsor (5)	Abyzz by Venotec GmbH/ CoralVue		
5/14/2019	2:15 PM	2:35 PM	Sub	#ChondroCensus 2019: A Roll Call for Chondrichthyans	Jennie Janssen	Jennie Janssen; Alan Henningsen; Tony Niemann
5/14/2019	2:35 PM	2:55 PM	Sub	Supplementation of elasmobranchs: Are we hitting the mark?	Jennifer Wyffels	Jennifer Wyffels; L Hoopes; Emily Christiansen; Caym
5/14/2019	2:55 PM	3:15 PM	Sub	Retro Brevi-RAW-stris: Caring for Geriatric Lemon Sharks	Kassie Harrold	Kassie Harrold; Alyssa Daily
5/14/2019	3:15 PM	3:20 PM	Sponsor (5)	Gulf Specimen Marine Laboratories, Inc		
5/14/2019	3:20 PM	3:50 PM	Break	Franklin		
			Elasmobranch 2	Union		
5/14/2019	3:50 PM	4:10 PM	Sub	Parthenogenesis in the epaulette shark <i>Hemiscyllium ocellatum</i>	Sarah Tempesta	
5/14/2019	4:10 PM	4:30 PM	Sub	Reproduction of <i>Gymnura altavela</i> in the main tank of Marine Aquarium of Rio de Janeiro (AquaRio)	Tie Ferreira	
5/14/2019	4:30 PM	4:35 PM	Sponsor (5)	Tracks Software		
5/14/2019	4:35 PM	4:55 PM	Sub	Power of ultrasound: A new technology provides insight into the reproductive biology of elasmobranchs	Taketeru Tomita	
5/14/2019	4:55 PM	5:15 PM	Sub	Advances in the care and keeping of <i>Mobula hypostoma</i>	Frank Young	
5/14/2019	5:30 PM	6:30 PM	<i>Optional stakeholder meetings/ break-out sessions</i>			
5/14/2019	6:00 PM		Ice Breaker	Delaware	Cocktails, Animal Presentation, Photo ops	

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5/15/2019	8:00 AM	5:00 PM	WEDNESDAY May 15, 2019		
5/15/2019	7:00 AM	5:00 PM	REGISTRATION/ Add'l Ticket sales/ Book Sales		
5/15/2019	7:30 AM	8:00 AM	Breakfast	Franklin	
Collection Sustainability (1)				Union	
5/15/2019	8:00 AM	8:10 AM	Sponsor (10)	US Mysids Inc	
5/15/2019	8:10 AM	8:30 AM	Sub	Collection Sustainability	TBD
5/15/2019	8:30 AM	8:50 AM	Sub	Considerations for a Sustainable Animal Collection	Sandy Trautwein
5/15/2019	8:50 AM	9:10 AM	Sub	Approach to assessing where our animals come from, and how their welfare and sustainability can be improved	Anna Hildebrandt Anna Hildebrandt; Chris Andrews
5/15/2019	9:10 AM	9:15 AM	Sponsor (5)	TJP, Inc	
Collection Sustainability (2)				Union	
5/15/2019	9:15 AM	9:35 AM	Sub	Transports then and now: a new paradigm in marine animals collections	Joao Correia Joao Correia; Rui Guedes; David Silva; Luis Silva; Pedro
5/15/2019	9:35 AM	9:55 AM	Sub	For the love of fish, we're in it together - the importance of the aquarium hobby to public aquaria	Laura Simmons
5/15/2019	9:55 AM	10:15 AM	Sub	Are Your Fish Legal? An Analysis of the Regulatory and Permitting for Wild Sourced Display Animals out of Ben Daughtry	
5/15/2019	10:15 AM	10:45 AM	Break	Franklin	
Collection Sustainability (3)				Union	
5/15/2019	10:45 AM	11:05 AM	Sub	Accomplishments and Challenges for Rising Tide Conservation	Judy St. Leger
5/15/2019	11:05 AM	11:25 AM	Sub	Unified Vendor	TBD
5/15/2019	11:25 AM	11:45 AM	Sub	Can I get a garibaldi without going to jail?	Darryl Deleske
5/15/2019	11:45 AM	11:55 AM	Sponsor (10)	Asahi/America, Inc	
5/15/2019	11:55 AM	12:15 PM	Sub	Are you acclimating wrong?	Steve Bitter Steve Bitter, Johnny May
5/15/2019	12:15 PM	12:35 PM	Sub	Marine Conservation & Seafood Security: How OGL's DNA Bank Advances Research	Hannah Appiah-Madson; Hannah Appiah-Madson, Rosie Falco, Dan Distel
5/15/2019	12:35 PM		Release for Lunch with Zoo vouchers	Hotel Lobby (busing to Zoo)	
5/15/2019	1:00 PM	10:00 PM	Zoo Day	Columbus Zoo and Aquari Tours, Dinner, & Zoo Olympics	

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5/16/2019	8:00 AM	5:00 PM	THURSDAY May 16, 2019		
5/16/2019	7:00 AM	5:00 PM	REGISTRATION/ Add'l Ticket sales/ Book Sales		
5/16/2019	7:30 AM	8:00 AM	Breakfast	Franklin	
			Coral Culture	Union	
5/16/2019	8:00 AM	8:20 AM	Sub	Thinking Outside the Aquarium: Taking an interdisciplinary approach to animal husbandry	Lauren Harper
5/16/2019	8:20 AM	8:40 AM	Sub	Florida's ongoing coral disease outbreak: status, key research findings, and conservation opportunities	Maurizio Martinelli
5/16/2019	8:40 AM	9:00 AM	Sub	The Coral Crisis: Assessing the Conservation Potential of Captive Coral Populations in Aquariums and Zoo	Meredith Knott
5/16/2019	9:00 AM	9:05 AM	Sponsor (5)	Aquatic Equipment & Design	
5/16/2019	9:05 AM	9:25 AM		Mysis shrimp: An invasive species the lakes of British Columbia, Canada and the pioneering of a sustainab	Nuri Fisher
5/16/2019	9:25 AM	9:45 AM		Captive Propagation of a Federally Endangered Species, the Laurel Dace (<i>Chrosomus saylori</i>)	Meredith Harris Meredith Harris, S Mitchell
5/16/2019	9:45 AM	10:15 AM	Break	Franklin	
5/16/2019	10:15 AM	12:15 PM	Sub	FFTAG	Open Meeting
5/16/2019	12:15 PM	12:20 PM	Sponsor (5)	Cairns Marine	
5/16/2019	12:20 PM	1:35 PM	Lunch	Lower Level Hotel	
5/16/2019	1:35 PM	2:05 PM	Sub	RAW Business Meeting	Jeff Gibula
5/16/2019	2:05 PM	2:15 PM	Sponsor (10)		
			LSS& & Exhibitory	Union	
5/16/2019	2:15 PM	2:35 PM	Sub	The Joy of Cooking, Water Chemistry edition: How to homebrew your own nitrate test	Mark Yun
5/16/2019	2:35 PM	2:55 PM	Sub	Killing Three Birds with One "Green" Stone: Making a Hill-William Heat Exchanger	Nick Zarlinga
5/16/2019	2:55 PM	3:25 PM	Break	Franklin	
			LSS& & Exhibitory Cont.	Union	
5/16/2019	3:25 PM	3:30 PM	Sponsor (5)	Aquatic Solutions	
5/16/2019	3:30 PM	3:50 PM	Sub	Vancouver Aquarium and Vancouver International Airport – A Unique Partnership and Opportunity for Oc	Patricia Beer
5/17/2019	3:50 PM	4:10 PM	Sub	Renovating a Two-Decade-Old Artificial Reef	Jessica Nishimoto
5/17/2019	4:10 PM	4:30 PM	Sub	Flip or Flop - Mote's Journey through DIY Exhibit Upgrades	Amanda Hodo Amanda Hodo, Kerry Lee
5/16/2019	4:10 PM	4:20 PM	Sponsor (10)	Kessil/ DiCon Lighting	
5/17/2019	4:20 PM	4:40 PM	Sub	Movement and Transport of 200+ kilogram Grey Nurse Sharks...WCGW?	Rob Jones Rob Jones, Aaron Sprowl
5/16/2019	4:40 PM	5:00 PM	Sub	Using novel behavior training to increase visitor impact	Michelle Benedict
5/16/2019	5:00 PM	5:05 PM	Sponsor (5)		

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5/16/2019	5:30 PM	6:30 PM	Optional stakeholder meetings/ break-out sessions			
5/16/2019	7:00 PM	10:00 PM	PINs Mechanical Social	PINs Mechanical	Food Trucks available	
5/17/2019	8:00 AM	5:00 PM	FRIDAY May 17, 2019			
5/17/2019	7:00 AM	12:00 PM	BOOK SALES			
5/17/2019	7:30 AM	8:00 AM	Breakfast	Franklin	Union	
Animal Welfare						
5/17/2019	8:00 AM	8:20 AM	Sub	Social Interactions and Feeding Competition in Rio Sao Francisco Piranhas at Cleveland	Animal Welfare	Jason Wark Jason Wark, Josie Thal, Praanjal Das, Nick Zarlinga, Kr
5/17/2019	8:20 AM	8:40 AM	Sub	Visualizing Sand Tiger Shark (Carcharias taurus) Space Use in Aquariums using ZooMoni	Animal Welfare	Nancy Kim Pham Ho Nancy Kim Pham Ho, Libbie Duskin, Carold Price, Lar
5/17/2019	8:40 AM	8:45 AM	Sponsor (5)	Aqua-Tech Co./ NextBite		
5/17/2019	8:45 AM	9:05 AM	Sub	What's YOUR Welfare Score? Using aquarium-specific welfare assessments to generate	Animal Welfare	Sarah Sprague
5/17/2019	9:05 AM	9:25 AM	Sub	Elasmo-Ethology: Data-driven Behavior Management	Animal Welfare	Zac Reynolds
5/17/2019	9:25 AM	9:35 AM	Sponsor (10)	Fritz Industries		
5/17/2019	9:35 AM	10:05 AM	Break	Franklin	Union	
Animal Health						
5/17/2019	10:05 AM	10:10 AM	Sponsor (5)	Pecan Grove Solutions		
5/17/2019	10:10 AM	10:30 AM	Sub	Not a Fluke! Eliminating Neobenedinia sp. From a Group of Wild Caught Pacific Fish in	Animal Health	Rachel Moote
5/17/2019	10:30 AM	10:50 AM	Sub	The Future of Odor Control and Disinfection	Animal Health	Jim Prappas
5/17/2019	10:50 AM	11:00 AM	Sponsor (10)			
5/17/2019	11:00 AM	11:20 AM	Sub	Eel Surgery, from trauma to recovery	Animal Health	Steve Burns
5/17/2019	11:20 AM	11:40 AM	Sub	Emerging Zoonotic Issues within Public Aquariums and their Health and Safety Implicat	Animal Health	Rob Jones
5/17/2019	11:40 AM	12:10 PM	Closing	Doug Warmolts; Becky Ellsworth		
5/17/2019	1:30 PM	4:00 PM	Optional Volunteer: Friends of the Lower Olentangy Watershed (FLOW)	Assistance with Invasive species removal		