

SPNHC 2025 Detailed Program

All times US CST

Virtual oral Presentations listed in blue

Multiple abstracts in a block indicate Lightning Talks

Tuesday May 27

8:00 16:00	Field Trips								
17:30									
18:30 20:30	Registration Desk Kansas Union 4th floor lobby	Ice-Breaker Reception						Ascher Plaza, Kansas Union	

Wednesday May 28

	Registration	Woodruff	Big 12	Jayhawk	Kansas	Malott	English	Pine
	Registration Desk Hawklet, 5th floor	Plenary Session						
8:30		Introductory Remarks LOC Chair SPNHC President BI Director						
9:00		Daniel Wildcat A question: What Story Do We Tell Ourselves in Natural History Museums?						
9:30		Alexander Collot d'Escury Creating Space for a Healthy Planet						
10:00		Jocelyn Colella Natural History Collections: A One Health Nexus						
10:30	Morning Break and Poster Viewing 6th Floor hallway near Exhibitors' Fair and STEAMed SPNHC							
	Registration	Woodruff	Big 12	Jayhawk	Kansas	Malott	English	Pine
	Registration Desk Hawklet, 5th floor	CTRB01.1 - Contributed session - Conference Theme	SYM19.1 - Creativity, Opportunity, and Innovation in Natural History Education and Outreach	CTRB03.1 - Contributed session - Digitization, Data Management, or Data Integration				
11:00		Robert Robins The Florida Museum barcode inventory collection management system for fluid-preserved specimen lots using customized Specify Software	Andy Todd Strengthening Connections with Students in Collections: Imaging and recording studios as a student resource within a museum	Alexander Wolodkin FAIRifying Natural Collections at the Edge: Bridging AI, Terminology Services, and Digital Specimen Annotation at Senckenberg				

11:15	Registration Desk Hawklet, 5th floor	Basil Williams Logistics of the Florida Museum Fish Collection Move	Sydney Muchnik Strengthening Connections with Students in Collections: Developing student-driven projects through courses and exhibitions	Majid Vafadar A Comprehensive Automated Data Integration Service for Natural History Collections: The MiN DataHub	Exhibitors' Fair	STEAMed SPNHC Art Auction Artist's Corner		
11:30		Kesler Randall New Space for Old Fossils: Construction of a New Paleontology Center at the San Diego Natural History Museum	Natalie Mastick Strengthening Connections with Students in Collections: Designing feasible and mutually beneficial student research projects	Edward Gilbert Tools and Tricks for Outsourcing the Specimen Digitization Process using a Network of Symbiota Data Portals				
11:45		Anja Friederichs How to pass on knowledge about collection processes to colleagues in an exciting way - a collection cafe (weekly talk series)	Natch Azure Creating Art for You AND Your Research	Julie Winchester MorphoSource 3D Data Repository: Empowering Museum Collections to Mobilize Images Representing Physical Objects Through Community, Annotations, and Linkages				
12:00	Lunch, Newcomers Lunch and Committee Fair Buffet in Parlors, Ballroom seating							
	Registration	Woodruff	Big 12	Jayhawk	Kansas	Malott	English	Pine
	Registration Desk Hawklet, 5th floor	SYM13.1 - The Path Forward: Learning Collection Care for a Sustainable Future	SYM19.2 - Creativity, Opportunity, and Innovation in Natural History Education and Outreach	SYM11 - Mobilizing Global South's Natural History: Integrating Collections into the GBIF for Biodiversity	Exhibitors' Fair	STEAMed SPNHC Art Auction Artist's Corner		
13:30		Christy Bills TLC - (Training, Learning opportunities and Curation skills) for volunteers and student workers in natural history collections	Laurel Kaminsky Liking Lichens: An undergraduate class combining art, science, and collections to explore the significance of lichens	K Samanta Orellana Potential of Symbiota Installations to Mobilize Latin American Collections to GBIF				
13:45		Theresa Barclay Mutualism in museums: A 20-year perspective on training undergraduates in biodiversity science and collection management	Alexander Hastings Curating 3D Digital Specimens: Methods, Accessibility, and Legal Quandaries	Laban Musinguzi Capacities required to improve access to African scientific collections: Perspectives from an initiative to mobilize the collections on the continent				
14:00		Megan King Preserving the Past, Inspiring the Future: Biodiversity Collections Certificate at Rutgers University	Richard Glor Combating biodiversity misinformation with specimen-based social media	Jorge Soberon Digitizing Museum Specimens for Policy Making. The case of CONABIO in Mexico				
14:15		Heath Garner The Heritage and Museum Sciences graduate program at Texas Tech University: a natural history museum professional training network	Laila Cook Incorporating Fossil Models and Geological Investigation Methods into Rural Classrooms Across Colorado – An Impact Story	Esther Mwangi Unlocking Genetic Insights: Integrating Genetic Information from Museum Specimens into GBIF				
14:30		Katherine Crawford University of Kansas Museum Studies: Advantages of the program in training the next generation of museum specialists	Margaux Ranson Nature in the Classroom: Bringing biodiversity and natural history to elementary students with the Puget Sound Museum's specimen-based curriculum	Pierre Raoufou Radji A regional data platform of West and Central African herbaria				
14:45		Peter Giere Transfer of knowledge at the Museum für Naturkunde, Berlin, and the Leibniz Research Network "Preservation"	Mariana Henriques Santana Opening the Herbarium Doors: Bridging Science and Public Engagement at Kew					

<p style="text-align: center;">Afternoon Break and Poster Viewing 6th Floor hallway near Exhibitors' Fair and STEAMed SPNHC</p>								
15:00	Registration	Woodruff	Big 12	Jayhawk	Kansas	Malott	English	Pine
	Registration Desk Hawklet, 5th floor	SYM13.2 - The Path Forward: Learning Collection Care for a Sustainable Future	SYM09 - Vertebrate Collections: From Field to Future	SYM15 - Linking collections and their research products: realities and innovations in PID usage, specimen citation, and usage metrics	Exhibitors' Fair	STEAMed SPNHC Art Auction Artist's Corner		
15:30		Gillian Suss The Importance of Varied Hands-On Experience and Professional Connections in Caring for Natural History Collections	Matthew Schmidt A Steller opportunity to gain perspective Shallina Peterson Preparing Odontocete Cetacean Skulls for Natural History Collections Katherine Raspet Reconstructing pinniped skulls: Nature's 3D puzzles	Chandra Earl Implementing Persistent Identifiers in NEON Sample Management and Specimen Collection Workflows				
15:45		Julianne Snider Gaining expertise: Learning and teaching scientific observation skills for sustainable observational collections monitoring	Marshall Boyd From Collections Care to Collaboration and Publication: An overview of the vertebrate collections at the Virginia Museum of Natural History	Matthew Yoder Ancillary, Adjacent, Augmenting and Aggregated: Integrating Collections Around Collections				
16:00		Meta Friese Natural history objects in expanded contexts – loans for exhibitions from the MfN Berlin	Erin Kuprewicz Skinning Club: A University based framework for preparing future vertebrate specimen preparators	Laurence Benichou The Disentis Roadmap: towards alternative metrics for collection usage				
16:15		Elise V Lecompte To Infinity and Beyond: From Masters Student to Registrar to Retirement	Adam Cohen Does it make sense to store jarred fluid preserved specimens lid down	Elizabeth Adams Sample Discovery in the Archives: A Review of How Physical Samples Are Referenced in Published Research				
16:30		Dirk Neumann How can we develop forward?	Discussion	Dave Vieglais Efficient sharing of structured material sample data as a distributed property graph with Apache Parquet				
16:45		Discussion		Discussion				
18:30 21:00	Trivia Night Delta/Bruynzeel, Topeka For ticketed participants, buses will leave from the front of the Kansas Union at 5:15 and 5:40 PM							

Thursday May 29

	Registration	Woodruff	Big 12	Jayhawk	Kansas	Malott	English	Pine
		CTRB03.2 - Contributed session - Digitization, Data Management, or Data Integration	SYM08 - Things to Know Before Publishing Your Data	LTNG02 - Data Discoveries Lightning talks				
8:30		Timothy Diamond Biodiversity Data: Refinement of Technology and Implementation Methods	David Bloom You put what, where?! Challenges, changes and the here and now of the Darwin Core Standard	Sariah Rushing Oral History Mystery - A Database Debacle Zachary Campbell Hybrid skull morphology: Can Museum and contemporary specimens help identify hybrid ancestry between American red wolves and coyotes? Cameron Pittman Historical Taxidermy Documents Provide Hidden Trait Data				

8:45	Registration Desk Hawklet, 5th floor	Molly Schools TaxoTools: An R Package for Streamlining Taxonomic Research and Descriptions	John Waller Best practices for publishing useful and high quality specimen datasets to GBIF	Adam Wall Forgetting the trees & the ABCs: Alternative digital organizational strategies for taxonomic, alcohol-preserved marine invertebrate specimens John D'Angelo A minor Major mystery and Moore: Disentangling the provenance of a marine mollusk collection with incomplete records Patricia Holrody The Catalog That Never Existed And Finding the Cards That Did	Exhibitors' Fair	STEAMed SPNHC Art Auction Artist's Corner		
9:00		Richard Dodd Integrating Botanical and Mycological Collection Data: Challenges in Standardizing Taxonomic Identities	Wouter Addink Advancing Specimen Data Publishing through Digital Specimen Infrastructure	Lazaro Guevara Old field journals -and comics- can tell bizarre stories behind valuable museum specimens Shelley James Another Type! Digital discoveries in a modern historical collection				
				SYM03 - Repatriation of Natural History Specimens: NAGPRA and Beyond				
9:15		Nora Lentge-Maaß Digitization of natural history collections - the more the merrier?	Peggy Newman Push or pull, give and take: A history of working with technically diverse data providers in the ALA	Breda M Zimkus Repatriation and Shared Stewardship of Modern Natural History Collections				
9:30		Laurens Hogeweg The role of modern AI in collection management	Kalina Jakymec Exploring common questions to iDigBio related to data mobilization	Hayley Singleton Gauging the Need for Repatriation and Respectful Care Training: Survey Results of Natural History Museum Professionals				
9:45		Marisa Surovy From Nets in the Jungle to Cabinets in the Attic: How Standardizing Data Builds Better Collections	Lily Hart Preparing & Publishing Museum Specimen Data: a Graduate Student's Journey	Elizabeth Leith Barriers and Solutions to NAGPRA Compliance: A University-Based Collection Perspective				
10:00		Alyson Wilkins Plan to Scan: Barcoding Museum Collections	Lindsay Walker How the Symbiota Support Hub can help publish your extended specimen data	Natalia Lopez Carranza A Journey Back Home: How 35 Fossil Spiders (and One Cricket) Made Their Way Back to Brazil				
10:15		Michael Elliott Connecting online biodiversity databases via community-driven multi-agent AI systems	Grant Fitzsimmons Publishing Your Data with Specify 7	Amy June Breesman Integrating Local Contexts Labels and Notices as an additive tool for Indigenous Peoples sovereignty in collections management				
10:30	Morning Break and Poster Viewing 6th Floor hallway near Exhibitors' Fair and STEAMed SPNHC							
	Registration	Woodruff	Big 12	Jayhawk	Kansas	Malott	English	Pine
		CTRB03.3 - Contributed session - Digitization, Data Management, or Data Integration	SYM14.1 - Back to Basics: Museum Techniques Skillshare	LTNG01.1 - Specimen Spotlight Lightning talks				
11:00		Reinis Rozkalns Holistic approach to digitisation: Closing the gap between horticulture and science collections	Kristina Gaugler Creative Storage Solutions for Ancient Egyptian Collection	Paul Mayer Tardisia brodeae, A New Mazon Creek Species, Extends the Range of Vicsisicaudatan Arthropods by 100 Million Years Ashley Dineen A Cambrian Mystery: How a rare echinoderm fossil prompted a ~20 year long search Jessica Utrup Plaster Teaching Types				

11:15	Registration Desk Hawklet, 5th floor	Niko Lappalainen AI-Powered Mass Digitization Conveyor System: Accelerating the Digitization of Natural History Collections	Giovanni Yumi Scorsim Omura Simplifying specimen loans: Ten simple rules for researchers	Ralph Kugler Photogrammetry helps preserve and extend the usefulness of significant specimens in the Milwaukee Public Museum's geological collections Andreas Abele-Rassuly Humboldt's Coprolite - A Glimpse into 19th Century Scientific Collaboration Erynn Johnson The unsolved mystery of the ammonoid	Exhibitors' Fair	STEAMed SPNHC Art Auction Artist's Corner		
11:30		Frank Owen Validation and Quality Assurance of Taxonomic and Geospatial Specimen Metadata: Strategies for Expert Teams Assessing AI and Human Transcriptions	Craig M Brabant Should all Natural History Collections be using 3D printers...and if not, why are you mistaken?	Alexander Hastings Fantastic Fungus Fossil from the Paleocene of Wannagan Creek (North Dakota, USA) Kevin Mulcahy KUVVP 158337: The northernmost uinthere (Mammalia: Dinocerata) in the fossil record Hayley Singleton Amherst's Mammoth: From Discovery to Mascot				
11:45		Robert Turnbull Applying AI to accelerate label detection and data transcription from natural history collection specimens	Lauren Vonnahme From field to freezer: A tissueing workflow for genetic research	Verity Mathis Death of a panther: UF 19077 and its lasting impact Shannen Robson Piccolo the Polar Bear and the one-armed lion tamer Captain Jack Bonavita				
12:00	Lunch Buffet in Parlors, Ballroom seating					Committee Chairs meeting (by invitation only)	Herbarium TCN Lunch	
	Registration	Woodruff	Big 12	Jayhawk	Kansas	Malott	English	Pine
	Registration Desk Hawklet, 5th floor	CTRB03.4 - Contributed session - Digitization, Data Management, or Data Integration	SYM14.2 - Back to Basics: Museum Techniques Skillshare	SYM04 - Challenges and Opportunities in the Conservation of Natural History Collections	Exhibitors' Fair	STEAMed SPNHC Art Auction Artist's Corner		STEAMed SPNHC Unconference
13:30		Piotr Korpak, Benjamin Bowles Ensuring Quality in Large-Scale Herbarium Digitisation: Methods, Strategies, and Lessons from Kew	Daniel Distel Perish the thawed? EDTA reduces DNA degradation during extraction from frozen tissue	Erika M Gardner When push comes to die-cut, solving supply issues with vintage technology				
13:45		Laura Ladwig Shooting for success: Creating a digital imaging workstation designed specifically for herbarium use	Rosalia Falco Poulin The best of both worlds: Can the combination of ethanol and EDTA outperform either DNA preservative alone?	Erika Range Mercury Contamination in the Canadian Museum of Nature's National Herbaria of Canada: Investigations in historical pesticide applications				
14:00		Victor Shields An Italian Herbarium Network: How a Digitization Project at the University of Florence Became a Pathway for Seven More Herbaria	Laura Abraczinskas Blue Jaws, Green Jars, Red Skeletons, and Yellow Vials: Encounters with Problematic Materials and Subsequent Improvements for Preservation and Safety	Erika Range Gold Standard Preservation: Assessing the Effects of Freezing Gilded Insects for Integrated Pest Management at the Canadian Museum of Nature				
14:15		Rachel McCarthy Digitising Kew's Collections: Lessons Learned and Challenges Overcome via Effective Induction and Training Techniques	Dimitris Salas Preparation of Avian Spreadwing Specimens	Dirk Neumann Bitter cocktails: when smart solutions cost a fortune				
14:30		Sarah De Groot Preserving and digitizing a newly acquired herbarium, including unprocessed specimens	Jack Whisenant The Greasy 'Possum Project: A preliminary comparison of degreasing techniques for osteological preparation	Abigail Hines Go Fish! – Project to restore the Buffalo Museum of Science's Ichthyology Collection				
14:45		Ashley Bales Into the Light: Digitizing 1.5 Million Herbarium Specimens & Counting	Roseina Woods A crypt(-ic) problem: How to sequence 20,000 fungal type specimens, the Fungarium Sequencing Project from a collections management perspective	Spyridoula Pappa A Gordian knot: The de-installation of the iconic giant deer at NHM, London				

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15:00	Registration	Woodruff	Big 12	Jayhawk	Kansas	Malott	English	Pine
	Registration Desk Hawklet, 5th floor	CTRB02.1 - Contributed session - General	SYM14.3 - Back to Basics: Museum Techniques Skillshare	SYM16 - The (over) extended specimen: why are these data so difficult to share?	Exhibitors' Fair	STEAMed SPNHC Art Auction Artist's Corner		
15:30		Chuck Cook Principles for sustaining the global biodata infrastructure	Nicole Tarnowsky A Tale of Two Collections: Using Existing Tools to Curate our Digital and Physical Collections	Bryan McLean Extending mammal specimens with their essential phenotypic traits				
15:45		Erika M Gardner Specimen Preparation Volunteer Handbook, from planning to completion	Kyle Lough Creating Research-Quality Specimen Images: Insights from the University of Michigan Herbarium	Mare Nazaire Collaborations between biological collections and archives: creating the Carlquist Extended Specimen Network				
16:00		Taylor Kinchen Skin and Bones: Using Museum Specimens to Gain Insight into Historical Responses to Severe Winter Weather	Tiana Rehman Digitizing a Bound Herbarium: Imaging and Cataloguing Considerations	Cameron Pittman Mouse Feet, The Jonas Brothers, and multitudes of traits: A RANGES TCN Project				
16:15		RL Menning Return to Form: Pipeline for 3D reconstruction of plant fossil image-series datasets using free software	Genevieve E Tocci Herbarium Life: Annotations & Cross Referencing	Miranda Theriot Extending the extended specimen: Repeatability and interoperability among different data types				
16:30		Patricia Marquez Estimating Identification Error within Natural History Collections using Intermontane Vole Species	Amanda Bremner The strangest little organisms: collecting and preserving slime moulds for the for the New Brunswick Museum herbarium	Kelsey Yule Developments and Challenges in the Hyper-extension of NEON Biorepository Specimens				
16:45		Ali Hosseini AI-Powered Biosignature Analysis in Hydrothermal Vent Fluids for Life Detection	Discussion	Jason Best Wikibase to the rescue? Exploring the use of Wikibase to create an Extended Specimen Network				
17:00	SPNHC Council Meeting (by invitation only)							
19:00 23:00	Banquet Abe and Jake's Landing							

Friday May 30

	Registration	Woodruff	Big 12	Jayhawk	Kansas	Malott	English	Pine
		SYM20 - Sustainable Preservation and the Green Museum	SYM07 - Specify Spotlight: Improving Data Digitization and Management	SYM17 - Into the Arctos-verse: Connecting Data and Communities of Practice				
8:30		Dirk Neumann Can we do better? New approaches to sustain collections	Kathryn Jastremski Navigating Complexities: Implementing Specify 7 at the Canadian Forest Service	Michelle Koo Into the Arctos-verse: Connecting Data and Communities of Practice				

8:45	Registration Desk Hawklet, 5th floor	Chris Collins Climate Change and routes to sustainable preservation in changing environments	Fedor Steeman Integrating Specify7 into a National Mass Digitization Infrastructure	Emily Braker Arctos Flythrough Demo	Exhibitors' Fair	STEAMed SPNHC Art Auction Artist's Corner		
9:00		Jeremy Linden Tales from the Field: Achieving Sustainable Collections Environments	Robyn Drinkwater Integrating Specify into an efficient workflow for managing the sampling of herbarium specimens at the Royal Botanic Garden Edinburgh	Andrew Doll Now, where did I put that? Arctos can help				
9:15		Lukas Kirschey Modern collection infrastructure: A look at the planning of the new collection facility in Berlin	Franziska Schuster Adding Value: Semi-Automated Label Transcription at the Museum für Naturkunde Berlin	Marief Campbell Building Strong Relationships: The Extended Specimen in Arctos				
9:30		Marsh Hlavka Bird-window collision monitoring as a source of specimens and inspiration for green building design	Natalia Lopez Carranza Data Management at the University of Kansas Invertebrate Paleontology Collection (KUMIP) Using Specify	Hannah J Appiah-Madson Marine Genomic Resources: A unique collection & how it functions in Arctos				
9:45		Melissa Bechhoefer Operationalizing the Avenir Collections Center at the Denver Museum of Nature & Science	Grant Fitzsimmons COGs, COTs, and Other Interesting Acronyms in Specify 7	Emily Braker Showcasing the Value of Collections with Data: Tracking and Communicating Impacts using Arctos Tools				
10:00		Andrew Santaniello Revitalizing the Yale Peabody Museum	Discussion	Panel discussion				
10:15		Lukasz Braatz HERle – digital preventive conservation platform for supporting sustainable decisions						
10:30	Morning Break and Poster Viewing 6th Floor hallway near Exhibitors' Fair and STEAMed SPNHC							
	Registration	Woodruff	Big 12	Jayhawk	Kansas	Malott	English	Pine
	Registration Desk Hawklet, 5th floor	SYM06 - FAIR Data Integration - Realizing the Necessary Network Infrastructure and Social Capacity	LTNG01.2 - Specimen Spotlight Lightning talks	CTRB03.5 - Contributed session - Digitization, Data Management, or Data Integration	Exhibitors' Fair	STEAMed SPNHC Art Auction Artist's Corner		
11:00		Matthew Sheik BIOFAIR Data Network: Building an Integrated, Open, Findable, Accessible, Interoperable, and Reusable Data Network	Katrina Derieg Grizzlies of Yellowstone: The Craighead brothers' legacy Logan Roberts New predatory insight: Shrew teeth found in the gastrointestinal tract of Northern grasshopper mouse reveal novel dietary interaction Marcus Unsold "Two and a half auks" – the history of the Great Auks, <i>Pinguinus impennis</i> , at the ZSM	Nathan Ong Streamlining Fossil Inventory Data and Analysis Across U.S. National Parks				
11:15		Elizabeth Ellwood Planet.Knowledge.Agency: IPDES' contributions to a roadmap for global integration and extension of natural sciences' and collections' data products	Sariah Rushing The life and death of the Desert Tortoise (<i>Gopherus agassizii</i>) Mooji Laura Abraczinskas An Arctic grayling from the Otter River in Michigan's Upper Peninsula, September 1925 Enrique Santoyo Brito Specimens collected by Stephen A. Forbes, the founder of the science of ecology in the United States	Grace DeVault Wait, how many specimens?: Problems and solutions in paleontology collection digitization, and effects of digitization on research quality				

11:30		Chris Le Coquet Liberating imprisoned biodiversity data: applying a FAIR workflow to academic publications	Kathryn Jastremski Anticosti Island: A Rare Neospondylis upiformis (Coleoptera: Cerambycidae) Hot Spot in Eastern Canada Kristina Gaugler The Messengers: Contemporary Objects that Reflect Our Relationship with the Natural World Maureen White From Gold to Wine, Connecting Archives and Collections	Spyridoula Pappa Transcribing over 15,000 index cards: AI and digitalisation of Harrison Fossil Mammal collection				
11:45		Deborah Paul Harnessing Natural History Collections for Collaborative Pandemic Preparedness	Amy Weiss For the duration: Safekeeping of the New York Botanical Garden herbarium during World War II Joey Tanney DAVFP 561: Tracing the rise of Swiss needle cast through historical collections Jennifer Ackerfield Specimen Spotlight – Cannabis sativa (Hemp, Marijuana) from J.H. Christ	Nicole A McGee Digital unity: physical and digital management of a collection of vertebrates from the Late Cretaceous of the Mahajanga Basin, Madagascar				
12:00	Lunch and ANNUAL BUSINESS MEETING Buffet in Parlors, Ballroom seating							
	Registration	Woodruff	Big 12	Jayhawk	Kansas	Malott	English	Pine
		DEMO01 - DemoCamp	CTRB01.2 - Contributed session - Conference Theme	CTRB02.2 - Contributed session - General				
13:30		Austin Cosner Eagle Eye: Digitization of Specimen Data Sheets using Handwritten Text Recognition	Deborah Paul To know your past is to know your future: a new journal unlocks and links knowledge from natural history collections	Sadie Crandall Understanding an Orphaned Collection: The Iowa Insect Survey at the University of Iowa Museum of Natural History--A Case Study				
13:45		John Mewherter Application to Easily and Efficiently Digitize and Reorganize Collection Specimens	Andrea C Roman Specimens in the Galapagos: an overview of challenges and opportunities of managing collections in an oceanic island	Cameron Pittman Collaboration between the Denver Museum of Nature & Science and the Denver Zoo Conservation Alliance				
14:00		Fritz Pichardo Marcano Showcasing iDigBio's new Digitization Knowledgebase: a central place for the discovery of biodiversity digitization resources	Erin Messenger Queering natural history, science and biocultural collections	Carolyn Levitt-Bussian The Transportation, Curation, Digitization, and DAMing of 2,000 Cambrian fossils; from Rodent feces filled Garage to an AAM Accredited Repository				
14:15	Registration Desk Hawklet, 5th floor	Michael Elliott iChatBio: a chatbot for integrating online biodiversity science resources	Udayangani Liu Integrated Collection Management System: Advocating Stewardship in Data Sharing	Eleanor Hoeger My Circus, My Monkeys: Managing the Unexpected During Collection Re-curation	Exhibitors' Fair	STEAMed SPNHC Art Auction Artist's Corner		
14:30		Matthew Yoder Let's Digitize Debbie in TaxonWorks	Nathaniel Fox Reviving Historic Mineralogy and Petrology Collections at the South Dakota Mines Museum of Geology	Dominik Gietl Morphological analyses reveal three new species within the Pallenopsis patagonica (Hoek, 1881) species complex				
14:45		Theresa Miller Improving Data Integrity: Enhanced Batch Editing and Bulk Upload Tools in Specify 7	Sarah Taylor Beyond Collections Tours and Social Media: Outreach and Engagement Ideas for Academic Collections	Alyssa McGurer Sex Biases in a Herpetological Collection: A deep dive into the University of Connecticut's American Bullfrogs (Lithobates catesbeianus)				
15:00		Mark Fisher Symbiota 3.2: more tools for managing and sharing extended specimen data	Erika M Gardner Revamping the U.S. National Herbarium's plant-mounting volunteer program	Jessica Lane Type curation and digitization at the Philecology Herbarium				

15:15			Andrew Wilson Assessing The State of Fungaria: A Survey of Fungal Collections in North America	Michelle Kohler Types: 1; Mold: 0: The Unexpected Costs of Mold Remediation				
13:45	Biodiversity Institute Collection Tours Signup sheets at registration							Collections Task Force Meeting (by invitation only)
Saturday May 31								
9:00	Morning Workshops							
14:00	Afternoon Workshops							