



SVP
SOCIETY OF
VERTEBRATE
PALEONTOLOGY

VIRTUAL MEETING 2023



Research, Education, Networking
and Career Advancement



October 26 - 29



Sternberg Virtual
Museum

WELCOME

Hello! Welcome to the 2023 Society of Vertebrate Paleontology Virtual Meeting! We have a fantastic four days of events lined up for you to enjoy and learn from, which you can find listed further into this document. Our goal this year was to provide ample opportunities for SVP members to network, socialize, learn and grow in a continuation of the atmosphere of the in-person meeting. My hope is that we have provided some enriching content and engagement opportunities for students and career professionals alike across subdisciplines within the SVP membership. Over the next few days, I encourage you to explore the virtual museum (yourself or with attending friends) and take in as many of the events as you can manage. Like the in-person, this is your meeting, and your presence and contributions make it all the more valuable for everyone in attendance. Have a great time, and don't hesitate to reach out if you have any questions!

Yours,

David Levering

2023 SVP Virtual Meeting Committee Chair

Social Media

We will be continuing to use the #2023SVP tag for the virtual meeting. This is across social media platforms. Announcements about events will be distributed as needed through the SVP twitter (X) account @SVPvertpaleo. I (David) will also be posting about the virtual meeting on my twitter account (@DALevering) and on Instagram (@BioGeoVerse).

Notes for Attendees

- The Society of Vertebrate Paleontology Code of Conduct is in effect for all Virtual Meeting events and activities for the full duration of SVP's use of the Sternberg Virtual Museum. To review the Code of Conduct, [click here](#).
- Please do not distribute links or passwords to Zoom events or the main GatherTown meeting space. We have adequate space for registered meeting attendees. Adding attendees who have not registered for the in-person or virtual meeting creates server space issues as well as event security concerns we would be better off avoiding.
- All* Zoom events will be recorded and uploaded to the SVP YouTube channel following the virtual meeting. We will be announcing those videos on the SVP account as they are uploaded. (It may take a few weeks to get everything uploaded, as there will be a lot of events being recorded. We appreciate your patience!) We encourage anyone to distribute them, as they will be freely accessible to the entire general public. We will endeavor to keep comments turned on for each video, through circumstances may force us to restrict/close comment sections depending on commenter behavior. (*Our first two keynote talks will not be recorded due to IP contents of each presentation.)

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9-23	Poster Presentations Poster numbers will correspond with numbers next to each poster in the virtual poster hall
24	Virtual Museum Login Access link and password to enter the virtual museum on GatherTown.
24-33	Virtual Museum Guide What you need to know to enter and navigate the Sternberg's virtual museum on GatherTown
34-35	Virtual Museum Map Use to find specific rooms for events

ANNUAL
**VIRTUAL
MEETING
DAY 1** 10/26/2023

ALL TIMES IN CDT (UTC -5)

**8:00am -
10:00am**

Networking Social: Informal Education; Location: Sternberg Virtual Museum, Earth Sciences Lounge

**10:00am -
12:00pm**

Networking Social: Fish Research; Location: Sternberg Virtual Museum, Life Sciences Lounge

**10:00am -
11:00am**

Speaker Dr. Steve Brusatte: "My Travels in Jurassic World"; Location: Zoom -- [Click here to join](#) (PW: 2023SVP)

**12:00pm -
2:00pm**

Networking Social: Taphonomy Research; Location: Sternberg Virtual Museum, Earth Sciences Lounge

**1:00pm -
2:00pm**

Speaker Dr. Matthew Herron: "NSF Research and Training Opportunities for Vertebrate Paleontologists"; Location: Zoom -- [Click here to join](#) (PW: 2023SVP)

**2:00pm -
4:00pm**

Networking Social: Amphibian Research; Location: Sternberg Virtual Museum, Life Sciences Lounge

ANNUAL
**VIRTUAL
MEETING
DAY 1** 10/26/2023

ALL TIMES IN CDT (UTC -5)

**2:00pm -
4:00pm**

Networking Social: Sauropsida Research (Non-Dinosaurian);
Location: Sternberg Virtual Museum, Earth Sciences Lounge

**4:00pm -
6:00pm**

Networking Social: Histology Research; Location: Sternberg
Virtual Museum, Life Sciences Lounge

**5:00pm -
6:00pm**

Speaker Dr. Devra Hock-Reid: "Teaching Climate Change
Through Inquiry-Based Activities in Informal Education"; Location:
Zoom -- [Click here to join](#) (PW: 2023SVP)

**6:00pm -
7:00pm**

Discussion Panel: Colonialism in Vertebrate Paleontology;
Location: Zoom -- [Click here to join](#) (PW: 2023SVP)

**7:30pm -
8:30pm**

Discussion Panel: Academia Exit; Location: Zoom
-- [Click here to join](#) (PW: 2023SVP)

**9:00pm -
10:00pm**

Keynote Talk: Film Historian Charles Solomon; Location: Zoom
-- [Click here to join](#) (PW: 2023SVP)

ANNUAL
**VIRTUAL
MEETING
DAY 2** 10/27/2023

ALL TIMES IN CDT (UTC -5)

- 8:00am - 10:00am** - Networking Social: Biostratigraphy Research; Location: Sternberg Virtual Museum, Life Sciences Lounge
- 8:00am - 10:00am** - Networking Social: Field Paleontology; Location: Sternberg Virtual Museum, Earth Sciences Lounge
- 9:00am - 10:00am** - Speaker Dr. Jonah Choiniere: “Insights into the Late Triassic from the Elliot Formation at Qhemegha Village, South Africa”; Location: Zoom -- [Click here to join](#) (PW: 2023SVP)
- 10:00am - 12:00pm** - Networking Social: Museum Collections Management; Location: Sternberg Virtual Museum, Earth Sciences Lounge
- 11:00am - 12:00pm** - ADVANCEgeo presentation; “Digging Deeper: Collaborative Efforts to Promote Equity in Field-Based Sciences” Location: Zoom -- [Click here to join](#) (PW: 2023SVP)
- 12:00pm - 2:00pm** - Networking Social: Paleoecology Research; Location: Sternberg Virtual Museum, Life Sciences Lounge
- 12:30pm - 1:30pm** - Speaker Danny Anduza: “Twitch Livestreaming from Field Sites”; Location: Zoom -- [Click here to join](#) (PW: 2023SVP)
- 1:00pm - 2:00pm** - Speaker Dr. Eugenia Gold: “Innovations in Anatomy Pedagogy: Active Learning for Improved Undergraduate Student Engagement”; Location: Zoom -- [Click here to join](#) (PW: 2023SVP)

ANNUAL
**VIRTUAL
MEETING
DAY 2** 10/27/2023

ALL TIMES IN CDT (UTC -5)

**3:00pm -
5:00pm**

Networking Social: Synapsid Research; Location: Sternberg Virtual Museum, Life Sciences Lounge

**4:00pm -
5:00pm**

Fossil Micro-Prep Demonstration + Q&A with Jessica Barnett; Location: Zoom -- [Click here to join](#) (PW: 2023SVP)

**6:00pm -
7:00pm**

Keynote Talk: David Krentz, Creature Designer for “Prehistoric Planet”, Disney’s “Dinosaur” Film; Location: Zoom -- [Click here to join](#) (PW: 2023SVP)

**7:00pm -
8:00pm**

Discussion Panel: State of the Dinosauria; Location: Zoom -- [Click here to join](#) (PW: 2023SVP)

**8:00pm -
10:00pm**

Networking Social: Formal Education; Location: Sternberg Virtual Museum, Earth Sciences Lounge

**8:00pm -
10:00pm**

Networking Social: Dinosaur Research; Location: Sternberg Virtual Museum, Life Sciences Lounge

**9:00pm -
10:00pm**

Speaker Eric Scott: “Travels with Dead Horses”; Location: Zoom -- [Click here to join](#) (PW: 2023SVP)

ANNUAL
**VIRTUAL
MEETING
DAY 3** 10/28/2023

ALL TIMES IN CDT (UTC -5)

- 6:00am - 7:00am** - SPLC Student Roundtable: Europe & Africa; Location: Sternberg Virtual Museum, Life Sciences Lounge (1:00pm UTC +2)
- 8:00am - 9:00am** - Special Presentation/Q&A: "So You Want to be a Paleontologist"; Location: Zoom -- [Click here to join](#) (PW: 2023SVP)
- 9:30am - 10:30am** - Keynote Talk: Dr. Laura Wilson: "Finding Research Success Without A Research Institution Budget"; Location: Zoom -- [Click here to join](#) (PW: 2023SVP)
- 9:30am - 11:30am** - Networking Social: Early Tetrapod Research; Location: Sternberg Virtual Museum, Life Sciences Lounge
- 11:00am - 12:00pm** - Speaker Darrah Steffen: "Pioneer Paleo: Revitalizing the Paleontology program at Pioneer Trails Regional Museum"; Location: Zoom -- [Click here to join](#) (PW: 2023SVP)
- 11:30am - 1:30pm** - Networking Social: Systematics Research; Location: Sternberg Virtual Museum, Life Sciences Lounge
- 11:30am - 1:30pm** - Networking Social: Biomechanics Research; Location: Sternberg Virtual Museum, Earth Sciences Lounge
- 12:00pm - 1:00pm** - Discussion Panel: Innovations in Fossil Preparation; Location: Zoom -- [Click here to join](#) (PW: 2023SVP)

ANNUAL
**VIRTUAL
MEETING
DAY 3** 10/28/2023

ALL TIMES IN CDT (UTC -5)

**1:30pm -
3:30pm**

Networking Social: Fossil Preparation; Location: Sternberg Virtual Museum, Life Sciences Lounge

**1:30pm -
3:30pm**

Networking Social: Paleontology Mitigation; Location: Sternberg Virtual Museum, Earth Sciences Lounge

**2:00pm -
3:00pm**

Discussion Panel: State of the Squamata; Location: Zoom
-- [Click here to join](#) (PW: 2023SVP)

**3:30pm -
4:30pm**

SPLC Student Roundtable: Americas; Location: Sternberg Virtual Museum, Life Sciences Lounge

**5:30pm -
6:30pm**

Discussion Panel: The Skeleton Crew on creating a YouTube channel; Location: Zoom -- [Click here to join](#) (PW: 2023SVP)

**5:30pm -
7:30pm**

Networking Social: Squamate Research; Location: Sternberg Virtual Museum, Life Sciences Lounge

**5:30pm -
7:30pm**

Networking Social: Paleo Art; Location: Sternberg Virtual Museum, Earth Sciences Lounge

**7:00pm -
8:00pm**

Speaker Cameron Muskely: "The Journey Down the Path of Lost Worlds: My story as a paleontologist and educator"; Location: Zoom -- [Click here to join](#) (PW: 2023SVP)

**8:00pm -
9:00pm**

Discussion Panel: Future Vertebrate Paleo; Location: Zoom
-- [Click here to join](#) (PW: 2023SVP)

ANNUAL
**VIRTUAL
MEETING
DAY 4** 10/29/2023

ALL TIMES IN CDT (UTC -5)

- 8:00am - 10:00am** Networking Social: Government Paleontology; Location: Sternberg Virtual Museum, Life Sciences Lounge
- 9:30am - 10:30am** Discussion Panel: Summer Research Internships; Location: Zoom
-- [Click here to join](#) (PW: 2023SVP)
- 11:00am** Special Event: The Skeleton Crew fundraising livestream starts;
Location: YouTube - @SkeletonCrew8122. Fundraiser for the SVP Futures Award
- 12:00pm - 12:00pm** Discussion Panel: Academic Unions; Location: Zoom
-- [Click here to join](#) (PW: 2023SVP)
- 12:00pm - 2:00pm** Special Event: Storytelling Circle with Dr. Kellum Tate-Jones;
Location: Sternberg Virtual Museum, Life Sciences Lounge
- 2:30pm - 3:30pm** Discussion Panel: State of the Mammalia; Location: Zoom
-- [Click here to join](#) (PW: 2023SVP)
- 3:30pm - 5:30pm** Networking Social: Mammal Research; Location: Sternberg Virtual Museum, Life Sciences Lounge
- 3:30pm - 5:30pm** Networking Social: Statistical Methods; Location: Sternberg Virtual Museum, Earth Sciences Lounge

ANNUAL
**VIRTUAL
MEETING
DAY 4** 10/29/2023

ALL TIMES IN CDT (UTC -5)

4:00pm -

5:00pm

Special Presentation: Paleontology Resources Preservation Act Q&A; Location: Zoom -- [Click here to join](#) (PW: 2023SVP)

5:30pm

6:30pm

Special Event: Virtual Meeting Closing Q&A / Discussion; Location: Zoom -- [Click here to join](#) (PW: 2023SVP)

7:00pm -

8:00pm

Keynote Talk: Emily Graslie: "Driving paleontology home with Prehistoric Road Trip"; Location: Zoom -- [Click here to join](#) (PW: 2023SVP)

8:00pm -

12:00pm

Closing social; Location: Sternberg Virtual Museum

POSTER PRESENTATIONS

Poster Presenters Schedule

Please keep in mind our presenters are distributed globally. The schedule provided below allows for a distribution of times that we hope will provide all attendees with a time that works well in their time-region. The times provided here are meant to organize times for attendees to visit the poster hall to talk with poster presenters.

The posters are arranged in the poster hall in alphabetical order by the presenting author's last name.

October 26	UTC -5 – 7:00pm - 9:00pm (7:00pm - 9:00pm CDT)
October 27	UTC +0 – 7:00pm - 9:00pm (12:00pm - 2:00pm CDT)
October 28	UTC +5 – 7:00pm - 9:00pm (7:00am - 9:00am CDT)
October 29	UTC +10 – 7:00pm - 9:00pm (4:00am - 6:00am CDT)

All posters will remain up the duration of the virtual meeting being open for SVP members, which will be October 26 - November 25. Presenters are welcome to stand with their poster at any time, as the poster hall will be open the entire duration of SVP's use of the virtual museum. Attendees are also welcome to peruse the posters at any time during this period.

IMPORTANT NOTE: Do not take or disseminate photographs, recordings, screen-captures or reproductions of materials presented as part of the Annual Meeting without express permission of the author(s).

POSTER PRESENTATIONS

1	Matilde Acosta, Elaude Koenig, Owen Blomberg, Aaron M. Kufner MS, Dr. Yara Haridy, Dr. David M. Lovelace, "A UNIQUE PATHOLOGY IN AN APATOSAURINE (SAUROPODA, DIPLODOCIDAE) FEMUR FROM THE MORRISON FORMATION (UPPER JURASSIC) OF WYOMING, USA"
2	Daniel Alfonso-Rojas, Dr. Jorge Domingo Carrillo-Briceño, Rodolfo Sánchez, Dr. Marcelo R. Sánchez-Villagra, Dr. Jason J. Head, "An Early Origin of Gigantism in Anacondas (Serpentes: Eunectes) Revealed by the Fossil Record"
3	Dr. Victoria M. Arbour, David Ball, Peter Rombough, Derek L. Larson, Calla Scott, Teague Dickson, Emily Cross "Dinosaur footprints from the Nanaimo Group of Vancouver Island, British Columbia, Canada"
4	Antonio Armagno, "Stratigraphic occurrences of the Cretaceous shark genus <i>Cretodus</i> (Lamniformes: Pseudoscapanorhynchidae) in Kansas, USA, and their ecological implications"
5	Dr. Tito Aureliano & Dr. Aline. M. Ghilardi, "THE EVOLUTION OF THE AIR SAC SYSTEM IN NON-AVIAN THEROPOD DINOSAURS: EVIDENCE FROM THE UPPER CRETACEOUS OF MADAGASCAR"
6	Dumitru-Daniel Badea, Prof. Dr. Bogdan-Gabriel Răţoi, Prof. Dr. Mihai Brânzilă, "THE FIRST APPARENCE OF A SMALL-SIZED BEAVER (CASTORIDAE, MAMMALIA) FROM THE LATE MIOCENE (EARLY TUROLIAN) OF MOLDAVIAN PLATFORM, EASTERN ROMANIA"
7	C. Nicolas Baird, Bennett Slibeck, "Fast, cheap, or good—pick two? Trade-offs in 3D surface modeling methods for paleontological specimens"
8	Madeline Ball, Dylan Poorboy, Dr. Jonathan Calede, "A Deep Time Perspective on Bite Force: A Case Study in Geomorph Rodents"
9	Dr. Daniel Barta, "Ontogenetic status of a phytosaur (Reptilia: Archosauriformes) specimen from the Upper Triassic Sloan Canyon Formation of the Dry Cimarron Valley, Oklahoma, U.S.A., as revealed by fibular osteohistology"

POSTER PRESENTATIONS

10	Lee Beatty, Adam J. Schroeder; Candace L. Kairies-Beatty Ph.D. Tyrannosaurus Bite Marks on a Ceratopsid Frill from the Late Cretaceous Hell Creek Formation of North Dakota, USA”
11	Dr. Julien Benoit, “SENSORY ORGANS AND PALEOBIOLOGY OF CYNODONTS”
12	Mathieu Boisville, Dr. Narimane Chatar; Prof. Naoki Kohno, “NEW SPECIMENS OF PLIO-PLEISTOCENE ODOBENINES FROM THE NORTH SEA GIVES NEW INSIGHT ON THE PAST DIVERSITY OF THE GENUS ONTOCETUS”
13	Skylor Booth, Zachary Boles. “Description of the smallest known specimen of the pleurodiran sea turtle Taphrosphys sulcatus from the Edelman Fossil Park, Mantua Township, New Jersey, and implications of ontogeny on its ecology”
14	Dr. Jennifer Botha, Dr Kimberley Chapelle, Merit Professor Paul Barrett, Professor Roger Benson, Mr. Thabile Seerane, Federick Tolchard, Professor Jonah Choiniere, “Rapid growth in a new Late Triassic poposauroid from the South African Karoo Basin”
15	Diana Boudreau, Dr. Adam D. Marsh, Matthew E Smith, “Advancing Federal Paleontology Management Through Intra-Agency Collaboration in the National Park Service”
16	Brent Breithaupt, “The Photogrammetric Revolution: Twenty-five Years of Photogrammetry for Preservation and Management of Paleontological Resources (1998-2023): Preserving Ancient Ecosystems and America’s Natural Heritage”
17	Dr. Sara Burch, Caitlyn Dupont, Anna C. Green, Dr. John R. Hutchinson, “Evolution of the archosaurian shoulder musculature”
18	Dr. Denny Capps, Phil Brease (posthumous), Samantha R. Hilburn, Vincent L. Santucci, “A New Paleontological Resources Management Plan for Denali National Park and Preserve”
19	Caeden Carter, “TAPHONOMY AND PRESERVATION BIAS OF MICROVERTEBRATE BODY FOSSILS AT THE REVUELTIAN HOMESTEAD SITE (UPPER TRIASSIC: NORIAN), GARITA CREEK FORMATION OF EAST-CENTRAL NEW MEXICO, USA”

POSTER PRESENTATIONS

20	Leila Chapa, Paloma Chapa, Andreana Nourie, Dr. Ewan Wolff, Dr. Jason Moore, "Uncovering Dinosaur Death Pose"
21	Dr. Daniel Cline, Ryan Shell, Jamie Cheshire, Chuck Ciampaglio, Lauren Fuelling, "Chondrichthyans and Osteichthyans of the Skelley Limestone (Conemaugh Group: Carboniferous, Gzhelian) of Ohio"
22	Ronnie Colvin, ReBecca Hunt-Foster, "PROACTIVELY INCREASING PUBLIC AWARENESS ABOUT THE SIGNIFICANCE OF PALEONTOOLOGICAL RESOURCES ALONG THE FOSSIL DISCOVERY TRAIL IN DINOSAUR NATIONAL MONUMENT"
23	Dr. Adam Cossette, "CHRYSOCHAMPSA MYLNARSKII FROM THE EARLY EOCENE GOLDEN VALLEY FORMATION OF NORTH DAKOTA, U.S.A. REVEALS A LATE-LIVED MEMBER OF A CRETACEOUS CLADE"
24	Emily Cross, Dr. Victoria Arbour, "Identification of an ankylosaur femur from the Dunvegan Formation of northeastern British Columbia"
25	Joshua Crouch, Caeden Carter, Dr. Andrew B. Heckert, Bruce Lauer, René Lauer, "Preliminary Taphonomy of a Revueltian (Upper Triassic: Norian) age Coprolite Assemblage from the Homestead Site in the Garita Creek Formation, East-Central New Mexico, USA"
26	Dr. Brian Curtice, Dr. Ray Wilhite, "DESCRIPTION OF NEW BRACHIOSAURID MATERIAL FROM THE LATE JURASSIC MORRISON FORMATION DRY MESA DINOSAUR QUARRY, REDESCRIPTION OF POTTER CREEK BRACHIOSAURID REMAINS, AND REFERRAL OF NEW LOCALITIES TO BRACHIOSAURUS"
27	Sophia Damico, Dr. Federico Anaya, Dr. Darin A. Croft, "ENCEPHALIZATION QUOTIENT (EQ) OF A MIDDLE MIOCENE SPARASSODONT (METATHERIA) FROM BOLIVIA"
28	Dr. Mário Dantas, Dr. Alexander Cherkinsky, "INTERRELATION OF RADIOCARBON AGES BONE FRACTIONS IN THE BRAZILIAN INTERTROPICAL REGION"

POSTER PRESENTATIONS

29	Don DeBlieux, Jim Kirkland Ph.D., Martha Hayden, Rosemary Fasselin, Martha Jensen M.S., Ben Sears, Zach Anderson, "THE UTAH STATE PALEONTOLOGICAL LOCALITY DATABASE IN THE DIGITAL ERA - USING COMPUTER TABLET-BASED APPLICATIONS FOR THE COLLECTION AND COMPILATION OF LOCALITY DATA"
30	Dr. David DeMar, George E. Bennett, III, MS, "A NEW PLATYNOTAN LIZARD (SQUAMATA, ANGUIMORPHA) FROM THE LATEST CRETACEOUS (MAASTRICHTIAN) OF NORTH AMERICA"
31	Grace DeVault, Dr. Alexander K. Hastings, Charlie Iverson, "REPTILES AND MAMMALS AND FISH, OH MY: DIGITIZATION OF THE SCIENCE MUSEUM OF MINNESOTA'S PALEOCENE WANNAGAN CREEK COLLECTION FROM NORTH DAKOTA"
32	Logan Dickson, Dr. Victoria Arbour, "Tridactyl Footprints Referable to Anomoepus sp. from the Late Jurassic-Early Cretaceous Mist Mountain Formation of Southeastern British Columbia"
33	Carrie Eaton, Brent H. Breithaupt, Janaki Krishna, Kristen MacKenzie, Kari Prassack, Adam N. Rountrey, Vincent Santucci, Bruce Schumacher, Gregory A. Liggett, "CASE STUDIES IN THE MANAGEMENT OF FEDERAL PALEONTOLOGICAL COLLECTIONS AND RECOMMENDATIONS FOR THE FUTURE"
34	Isabelle Edwards, Francesca Socki, Dr. David L. Fox, "Morphometrics of Mandibles: A 3D Model of the Evolution of Mandibular Traits of Clade Geomyoidea"
35	Dr. Elisabeth Einarsson, Dr. Sara Johansson, Dr. Johan Gren, "X-ray microtomography and 3D visualization of a plesiosaur propodial from southern Sweden"
36	Dr. Alistair Evans, Jonathan Edwards, "The Growth and Form of Horns in Mammals and Dinosaurs"
37	Dr. John Foster, ReBecca Hunt-Foster, Adrian Hunt, James Kirkland, Kelli Trujillo, "DISTRIBUTION OF AMPHIBIANS IN THE MORRISON FORMATION (UPPER JURASSIC) OF THE ROCKY MOUNTAIN REGION, USA"

POSTER PRESENTATIONS

38	Lillian Fox-Pendergrast, Dr. Adam P. Cossette, "New evidence suggests that <i>Deinosuchus riograndensis</i> should form the type species of <i>Deinosuchus</i> "
39	Tess Gallagher, Dr. Jason Schein, Dr. Glenn Storrs, Dr. Jakob Vinther, "DIPPY LONGSTOCKINGS: MELANOSOME IMPRESSIONS IN <i>DIPLODOCUS</i> SP. SCALES EXPANDS OUR KNOWLEDGE OF SAUROPOD COLORATION"
40	Sergio Garcia-Lara, Dr. Z. Jack Tseng, "Looking for the Role of Hypsodonty in the Mandibular Biomechanics of the Oreodont (<i>Artiodactyla</i> , <i>Mericoideodontidae</i>)"
41	Amanda Gardiner, Rebecca Cooper, Kristína Kocáková, Jaime A. Villafaña, Dr. Daniele Silvestro, Dr. Catalina Pimiento, "Neoselachian Diversity through Deep Time"
42	Rodrigo Germano, Nathália Feregueti, Dr. Yuri Leite, "TRIVIA GAME AS A TOOL FOR TEACHING EVOLUTION, PALEONTOLOGY AND THE HISTORY OF LIFE TO UNDERGRADUATE STUDENTS"
43	Dr. Sarah Gibson, Spencer M. Ott, "Previously Unidentified Biodiversity of Fish Fauna in the Upper Triassic Dockum Group of Western Texas"
44	Zixuan Guo, Dr. Naoki Kohno, "HEARING ABILITIES AS DRIVERS OF EVOLUTION AND DIVERSIFICATION OF THE DELPHINIDA"
45	Ashley Hall, Scott Williams, Chelsea Hogan, Chris Dobbs, "The Design and Construction of a New Virtual Studio at Museum of the Rockies"
46	Daniel Havlat, Kelsey Jenkins, Dr. Ben Kligman, "MORPHOLOGY, MINERALOGY, AND IMPLICATIONS OF VERTEBRATE COPROLITES FROM THE LATE TRIASSIC CHINLE FORMATION OF ARIZONA"
47	Josh Hedge, Dr. Lindsay Zanno; Emerald Bender, "ORIENTATION: A NEW R FUNCTION FOR QUANTIFYING THE DIRECTION AND STRENGTH OF ORIENTATION ON PALEONTOLOGICAL SURFACES AND ITS APPLICATION TO THE EGGS OF OVIRAPTOROSAURIA"
48	Jeremy Heidenfelder, Dr. Andrew B. Heckert, Dr. Sterling Nesbitt, Isaac Pugh, MS, Rene' Lauer, Bruce Lauer, "The Morphology of Tanystropheids (Reptilia: Archosauromorpha) of the Upper Triassic Homestead Site in East Central New Mexico"

POSTER PRESENTATIONS

49	Dr. Robert Hill, Raphaël Sarr, Xavier Jenkins, Leif Tapanila, Maureen A. O'Leary, "An Assemblage of Vertebrate Macrofossils and Microfossils from the Late Cretaceous of Senegal"
50	Dr. Luke Holbrook, Stephen G.B. Chester, PhD, "A CRANIUM OF CHRIACUS BALDWINI (MAMMALIA, ARCTOCYONIDAE) FROM THE PALEOCENE OF NEW MEXICO, USA, AND THE PHYLOGENETIC POSITION OF CHRIACUS"
51	Dr. Peter Houde, "FIRST POTENTIAL RECORD OF "TERROR BIRD" FROM THE PALEOGENE OF NORTH AMERICA (AVES: CARIAMIFORMES: PHORUSRHACIDAE)"
52	ReBecca Hunt-Foster, Brent Breithaupt, "CAN YOU HEAR ME NOW? HAVING YOUR VOICE HEARD ON PALEONTOLOGICAL ISSUES THROUGH PUBLIC COMMENT PERIODS"
53	Dozie Itie, "Morphological and Phylogenetic Analysis of A Paleogene Typotheria from Cachapool"
54	Dr. Steven Jasinski, "A fossil box turtle from near the Miocene-Pliocene boundary and its potential role in the semi-aquatic to terrestrial lifestyle transition during the evolution of Terrapene (Emydidae)"
55	Aarya Joshi, "A new assemblage of Proboscidean fossils from central India and associated stratigraphic and taphonomic observations"
56	Anubhav Kaur, Dr. Matthew Sisk, "A MaxEnt predictive modelling for palaeontological sites in the Siwalik Hills: A case study from the Pinjore Formation of the Siwalik Hills north of Chandigarh, northern India"
57	Dr. James Kirkland, Donald D. DeBlieux MS, Ethan Warner-Cowgill, Dr. Joshua R. Lively, "NEW POLACANTHINE ANKYLOSAURS FROM THE BASAL CRETACEOUS (BERRIASIAN), LOWER YELLOW CAT MEMBER (YCM) OF THE CEDAR MOUNTAIN FORMATION (CMF), NORTHERN PARADOX BASIN, GRAND COUNTY UTAH"

POSTER PRESENTATIONS

58	Dr. Ben Kligman, Joseph R. Villari, Paul E. Olsen, Kathryn R. Hughes, Julio E. Montenegro, Adam C. Pritchard, Tammo Reichgelt, and Lisa Park Boush, "A NEW LACUSTRINE MARGIN VERTEBRATE ASSEMBLAGE FROM THE EARLY JURASSIC WATERFALL FORMATION OF VIRGINIA, U.S.A."
59	Dr. Anne Koelewijn, Verónica Krapovickas, "FossilGaitSim: a Simulation Framework for Gait of Extinct Quadruped Animals"
60	Walter Kornfeld, Emily M. Simpson, Dr. Mathew R. Borths, "EXAMINING DIETARY DIVERSITY IN A PALEOGENE HYRAX (AFROTHERIA, MAMMALIA) FAUNA FROM THE FAYUM DEPRESSION, EGYPT USING MESOWEAR ANALYSIS"
61	Daniel Large, "First occurrence of Gargoyleosaurus (Dinosauria: Ankylosauria) in Utah; the importance of osteoderms for the purpose of taxonomy"
62	Dr. Stephan Lautenschlager, "Orbit size and estimated eye size and their implications for visual capabilities in dinosaurs and other archosaurs"
63	Daniel Leaphart, "Phylogenetic Relationships of a New Species of Crocodyliform from the Early Cretaceous Cloverly Formation of Montana"
64	Dr. Alfred Lemierre, "The return of the mummy: How Eocene frog mummies from the Quercy Phosphorites (SW, France) shed light on a European presence of an African clade"
65	Greg Liggett, "A New Type of RAPTOR: Recreation And Permit Tracking Online Reporting"
66	Dr. Sergi López-Torres, Dr. Ornella C. Bertrand; Dr. Łucja Fostowicz-Frelik; Madlen M. Lang, MS; Dr. Chris J. Law; Gabriela San Martin Flores, MS; Dr. Michael A. Schillaci; Dr. Mary T. Silcox, "Brain size allometry and encephalization quotients in Euarchontoglires"
67	Sierra Lopezalles, "The Shape of Speed: The Relationship Between 3D Humerus Shape and Maximum Running Speed"

POSTER PRESENTATIONS

68	Dr. David M. Lovelace, Dr. Amanda LeClair-Diaz, Reba Teran MS, Josh Mann, Aaron M. Kufner, PhDc, Calvin So PhDc, MS Adam Fitch, Hawke Woznick, Ethan Parrish PhDc, Matilde Acosta, "WHAT'S IN A NAME? PUTTING DECOLONIZATION OF SCIENTIFIC NOMENCLATURE INTO PRACTICE THROUGH LOCAL COMMUNITY PARTNERSHIPS"
69	Tea Maho, Dr. Robert R. Reisz, "Exceptionally rapid tooth development and ontogenetic changes in the feeding apparatus of the Komodo dragon"
70	Dr. Adam Marsh, Charles Beightol; Natalie Toth; Ben Kligman; William Parker, "Systematic paleontological inventory of newly acquired lands at Petrified Forest National Park reveals unprecedented diversity of Late Triassic terrestrial vertebrates"
71	Dr. Kathryn Mickle, Dr. Michael Gottfried, "Lower Actinopterygian Fishes from the Upper Pennsylvanian Hamilton Quarry, a Konservat-Lagerstätte in Southeastern Kansas, U.S.A."
72	Jack Milligan, Dr. Emily Bamforth, Dr. Gabriela Mangano, Dr. Luis Buatois, "Rhizoetching trace fossils on Triceratops bones from the latest Cretaceous Frenchman Formation, Saskatchewan, Canada; Insight into reconstructing taphonomic pathways of vertebrates in paleosols"
73	Dr. Marisol Montellano-Ballesteros, Miguel Vázquez, Dr. Christina I. Barrón-Ortiz, Jesús E. Ramos-Heredia, and Dr. Jaime A. Escoto-Moreno, "NEW MATERIAL OF A GROUND SLOTH NOTHROTHERIOPS SP. (MAMMALIA: XENARTHRA) FROM THE EL CEDAZO LOCAL FAUNA, AGUASCALIENTES, MÉXICO"
74	Atashni Moopen, Dr. Kimberley Chapelle, Prof. Roger Benson, Prof. Paul Barrett, Prof. Jennifer Botha, Prof. Jonah Choiniere, "South Africa's earliest giant: The systematics and palaeobiology of a new sauropodomorph dinosaur"
75	Cassius Morrison, Dr Philip Mannion, Dr Laura Porro, Professor Paul Barrett, "A megaraptorid braincase from the Early Cretaceous of the Isle of Wight (U.K.) and its implications for theropod evolution and diversity"

POSTER PRESENTATIONS

76	Dr. Raquel Moya-Costa, Dr. Ornella C. Bertrand, Dr. Àngel H. Luján, Dr. Isaac Casanovas-Vilar, Dr. Marc Furió, "Hedgehog paleoneurology: virtual brain endocast of <i>Postpalerinaceus vireti</i> (Eulipotyphla, Mammalia) and comparison with extant <i>Erinaceidae</i> "
77	Xochitl Muñoz, Dr. Jaelyn J. Eberle, Dr. Gregory M. Erickson, Dr. Patrick S. Druckenmiller, "Hidden mammalian diversity revealed by edentulous jaws from the Upper Cretaceous (upper Campanian) Prince Creek Formation of northern Alaska"
78	Allison Nelson, "CANIS RUFUS HAS CHANGED SIGNIFICANTLY SINCE THE IMPLEMENTATION OF THE CAPTIVE BREEDING PROGRAM, AND BOTH MORPHOTYPES ARE SIGNIFICANTLY DIFFERENT FROM NON-EASTERN CANIS LUPUS AND CANIS LATRANS"
79	Khoi Nguyen, Dr. Philip Currie, "CONSPICUOUS PARIETAL ASYMMETRY IN TWO CENTROSAURINE TAXA FROM ALBERTA, CANADA"
80	Kyle Obuszewski, Dr. Adam Smith, "An Osteohistological Analysis of <i>Triceratops</i> Postorbital Horns"
81	Taylor Oswald, Dr. Brian Curtice, "The Dragons of Cedar Mountain: Shed Teeth Indicate the Presence of One or More Large Allosauroids from the Yellow Cat Member of the Cedar Mountain Formation"
82	Dr. Darrin Pagnac, "THE WESTERN INTERIOR SEAWAY BY FLAT-BOTTOMED BOAT: SURVEY AND SALVAGE OF US ARMY CORPS OF ENGINEERS LAND IN SOUTH DAKOTA, USA"
83	Alexandra Pamfilie, Averill Bryan, Dr. Natasha Vitek, "Trends in craniodental morphology in the American mink (<i>Neogale vison</i>)"
84	Dr. William Parker, Matthew Smith, Adam Marsh, "Building A Triassic Park: Formulating A Credible Scientific Research And Outreach Program For Paleontology In A U.S. National Park"

POSTER PRESENTATIONS

85	Danielle Peltier, Dr. Jackson Njau, "QUANTIFYING GEOGRAPHIC AND TEMPORAL DISTRIBUTION OF VERTEBRATE FAUNA DURING BED II TIMES AT OLDUVAI GORGE, TANZANIA"
86	Dr. Victor Perez, Stephen Groff, Mason Hintermeister, and Dr. Bruce MacFadden, "Exploration of Free Web-based Machine Learning Platforms for Paleontology Applications"
87	Dr. Víctor Adrián Pérez-Crespo, "FEEDINGS HABITS OF PLEISTOCENE MAMMALS FROM RANCHO CARAMBANCHEL, SAN LUIS POTOSI, MÉXICO: BIOGEOCHEMICAL APPROACH"
88	Nathan Platt, Dr. Christopher A. Brochu, Dr. Alyson A. Brink, "GONIOPHOLIDID DIVERSITY IN CRETACEOUS NORTH AMERICA, INSIGHTS FROM NEW SPECIES"
89	Dr. Briana Pobiner, Ms. Juliana Olsson, Ms. Meg Rivers, Dr. Anna K. Behrensmeyer, Ms. Giovana Delia, Ms. Kerri Dean, Dr. Richard Potts, Ms. Jennifer Clark, "Increasing Accessibility to Paleontology-Related Exhibits at the Smithsonian's National Museum of Natural History"
90	Dr. Albert Prieto-Marquez, Jonathan R. Wagner, MS, "A new early-diverging hadrosaurid (Dinosauria: Ornithopoda) from the upper Campanian Aguja Formation of southwestern Texas, USA"
91	Dr. Adam Pritchard, Dr. Ben Kligman, Dr. Paul Olsen, Mr. Michael Stevens, Ms. Lucy Treado, Dr. Hans-Dieter Sues, Dr. Peter LeTourneau, "A new vertebrate-bearing locality from the Carnian (Late Triassic) of Virginia (Newark Supergroup, Taylorsville Basin)"
92	Dr. Chenyang Qu, "A NEW POROLEPIFORM FISH FROM THE MEDDLE DEVONIAN, QIJING, YUNNAN, CHINA"
93	Kenneth Rayburn, J. Logan King, Frank Varialle, Minyoung Son, George Phillips, "New Instances of Ceratopsian (Dinosauria: Ceratopsia) Teeth from Appalachia Imply Multiphase Late Cretaceous Migrations"

POSTER PRESENTATIONS

<p>94</p>	<p>Romy Rayner, Prof Richard Butler, Dr Christian Kammerer, Prof Jonah Choiniere, "Reducing the evidence of an association between the Cynognathus Assemblage Zone, South Africa, and the Manda Beds of Tanzania: An examination of gomphodont material previously referred to Cricodon metabolus"</p>
<p>95</p>	<p>Luke Rose, Dr. Andrew B. Heckert, Dr. P. John Hancox, "Taxonomic Significance of Lungfish (Sarcopterygii:Dipnoi) Tooth Plates in the Lower Triassic (Olenekian) Burgersdorp Formation of Driefontein, South Africa"</p>
<p>96</p>	<p>Dr. Damian Ruiz-Ramoni, "Fossil Canids from Venezuela"</p>
<p>97</p>	<p>Adam Rytel, Dr. Dawid Surmik, Dr. Tomasz Szczygielski, Prof. Torsten M. Scheyer, "Unique internal anatomy of cervical vertebrae discovered in Triassic archosauromorphs from Central Europe"</p>
<p>98</p>	<p>Dr. Evan T. Saitta, Holly Latta, Jakob Vinther, Thomas Gnoske, Thomas G. Kaye, Richard A. Brooker, Ian D. Bull, & Paul C. Sereno, "SEXING DINOSAURS: POSSIBLE DETECTION OF TRACE SEX HORMONES IN FOSSILS AS OLD AS THE JURASSIC AND THE THERMAL STABILITY OF ESTROGEN"</p>
<p>99</p>	<p>Charles Salcido, "A paleontological resource inventory of Theodore Roosevelt National Park reveal potential for future vertebrate paleontological research and management"</p>
<p>100</p>	<p>Charles Salcido, "Can you eat well in Flatland? A case study on when 2D geometric morphometric analysis is sufficient for functional morphological analysis and evolution of "flat" biological shapes"</p>
<p>101</p>	<p>Anselmo Sanchez, "NEW INFORMATION ON APPENDICULAR ELEMENTS AND ONTOGENETIC LIFE STAGES OF BASAL CAPTORHINID REPTILES: ADDITIONAL JUVENILE POSTCRANAL SKELETAL REMAINS OF THE EARLY PERMIAN EUREPTILIAN REPTILE LABIDOSAURUS"</p>
<p>102</p>	<p>Joep Schaeffer, Dr. Florian Witzmann, Dr. Eudald Mujal, Dr. Gabriel. S. Ferreira, Dr. Rainer R. Schoch, "Pathological tails of Plateosaurus trossingensis"</p>

POSTER PRESENTATIONS

103	Andrew Schwartz, "Investigating Niche Overlap in Two Sympatric Phenacodonts using Dental Microwear Texture Analysis"
104	Dr. Gina Semprebon, Dr. Florent Rivals, "Multi-proxy Dietary Reconstruction of Derived Equinae from the Miocene Through the Plio-Pleistocene of North America"
105	Henry Sharpe, Tom Dudgeon, "An enthesial origin for the hadrosaur (Dinosauria: Hadrosauridae) jugal flange"
106	Dr. Kenshu Shimada, Dr. Yuta Yamaoka, Dr. Yukito Kurihara, Dr. Yuji Takakuwa, Dr. Harry M. Maisch IV, Dr. Martin A. Becker, Dr. Robert A. Eagle, and Dr. Michael L. Griffiths, "Placoid scales of the Neogene megatooth shark, <i>Otodus megalodon</i> (Lamniformes: Otodontidae), and their biological implications"
107	Candice Nikki Simon, ReBecca Hunt-Foster, Colton Snyder, "INSPIRING THE FUTURE QUEENS OF PALEONTOLOGY"
108	Marcelina Skowronski, Dr. Kenshu Shimada, "A new skeletal specimen of an enigmatic plethodid bony fish (Actinopterygii: Tselfatiiformes) from the Upper Cretaceous Eagle Ford Shale, Texas, USA"
109	Eric Snively, Amanda Pennings, Evan Johnson-Ransom, Alexander Claxton, "'Nutcracker' bite mechanics in <i>Tyrannosaurus rex</i> tested with multi-permutation structural analyses"
110	Lucia Snyderman, Dr. Kevin Burgio, Dr. Arthur Spiess, Ms. Olivia Olson, Dr. Samuel Turvey, Dr. Alexis Mychajliw, "Spatiotemporal Dynamics of Quaternary Range Collapse of the Great Auk (<i>Pinguinus impennis</i>): New Insights From the Gulf of Maine"
111	Minyoung Son, Peter J. Makovicky, Yuong-Nam Lee, Hyun Joo Kim, In Sung Paik, Seung-Ho Jung, Dal-Yong Kong, Sungjin Lee, Han Sang Yoon, "A Ceratopsian Mandible from the 'Mid'-Cretaceous of South Korea"
112	Andrue Sullivan, Dr. Karen Poole, "Cranial anatomy and phylogenetic analysis of basal iguanodontian <i>Hippodraco scutodens</i> with high resolution computed tomography"

POSTER PRESENTATIONS

113	Meyrick Tablizo, Dr. Gerrit D. van den Bergh, Dr. Allan Gil S. Fernando, "On the Validity of <i>Stegodon luzonensis</i> von Koenigswald, 1956"
114	Ikeda Tadahiro, Dr. Hidetoshi Ota and Dr. Tomonori Tanaka, "A NEW FOSSIL LIZARD WITH TRICUSPID TEETH FROM THE LOWER CRETACEOUS OHYAMASHIMO FORMATION OF THE SASAYAMA GROUP, HYOGO, JAPAN"
115	Tomonori Tanaka, Dr. Kentaro Chiba, Dr. Tadahiro Ikeda, Dr. Michael J. Ryan, and Dr. Katsuhiko Kubota, "A Basal Neoceratopsia (Ornithischia: Ceratopsia) from the Lower Cretaceous Ohyamashimo Formation (Albian), Southwestern Japan"
116	Henry Thomas, "Bias in Documentary Portrayals of Paleontology and Prehistoric Life"
117	Tut Tran, "PALEONTOLOGICAL INVENTORY AT BRYCE CANYON NATIONAL PARK, UTAH RECOVERS LATE CRETACEOUS VERTEBRATE DIVERSITY AND POTENTIAL FOR RESOURCES MANAGEMENT AND FUTURE RESEARCH"
118	Dr. Mario Dantas and Livia Roriz, "Could <i>Smilodon</i> climb trees?"
119	Dr. Takehisa Tsubamoto, Prof. Yutaka Kunimatsu, Prof. Masato Nakatsukasa, "The Cainochoerinae (Mammalia, Artiodactyla, Suidae) from the basal upper Miocene Nakali formation, Kenya"
120	Andrea Valcourt, Dr. Victoria Arbour, "Canada's Most Complete <i>Merycoidodon</i> Fossil"
121	Léa Veine-Tonizzo, Dr. Jérémy Tissier, Dr. Maia Bukhsianidze, Dr. Davit Vasilyan & Dr. Damien Becker, "Cranial morphology and phylogenetic relationships of <i>Amyndodontidae</i> Scott & Osborn, 1883 (<i>Perissodactyla</i> , <i>Rhinocerotidae</i>)"
122	Deborah Wagner, William Parker, Matthew Smith, Phillip Varela, Diana Boudreau, "DEVELOPMENT OF A MULTIFUNCTIONAL FOSSIL PREPARATION FACILITY IN SUPPORT OF PALEONTOLOGICAL RESOURCE MANAGEMENT AND SCIENCE AT PETRIFIED FOREST NATIONAL PARK, ARIZONA (USA)"

POSTER PRESENTATIONS

123	Andrew Weber, "XENARTHRO MORPHOLOGICAL DISPARITY AND IMPLICATIONS FOR CINGULATE TAXONOMY"
124	Patrick Wilson, "Procedure for the Documentation of Paleontological Localities at Badlands National Park, Interior, SD"
125	Brynn Wooten, Dr. Laura Wilson, Dr. Aly Baumgartner, "Hemphillian Grasslands Ecosystem: Revisiting Data from Minium Quarry (Ogallala Formation)"
126	Suyuan Yao, Gavin Young, You-an Zhu, Jing Lu, "NEUROCRANIAL ANALYSIS OF AN EARLY DEVONIAN ARTHRODIRE PLACODERM SHEDS LIGHT ON EARLY GNATHOSTOME BRAIN EVOLUTION"
127	Dr. Shawn Zack, "A new species of Simidectes from the early Uintan of California clarifies the affinities of the genus"
128	Dana Korneisel, Hillary Maddin, "The Evolution of the Atlas-Axis Complex in Tetrapods"
129	Dr. Melissa Pardi, Aaron Woodruff, MS; Dr. Larisa DeSantis, "POPULATION-LEVEL DIETARY PROXIES DOCUMENT THE FORAGING BEHAVIOR OF FLAT-HEADED PECCARIES (PLATYGONUS COMPRESSUS) DURING SEASONAL DENNING IN BAT CAVE (OZARK PLATEAU, PULASKI CO., MO, USA)"

GATHERTOWN USER GUIDE

Welcome to Sternberg Virtual Museum! We're excited to have you join us for the 2023 SVP Virtual Meeting! Please make sure you are using either the Google Chrome or Firefox web browser on whatever web-enabled device you are logging in with. GatherTown will not function properly on other browsers and we strongly recommend you avoid using them for the event to avoid a lot of needless frustration.

Below you will find instructions on how to join the online event, and how to use the GatherTown system we are using. If you have any questions, please contact DAlevering@FHSU.edu for assistance. Let's get started! We also recommend you check out GatherTown's video introduction tutorial: <https://youtu.be/89at5EvCEvk>

To enter the virtual Museum, you'll need to click the access link included below. (But please read the instructions fully before jumping in!)

You may need to enter the password included below. We are using an email-based guest list, which will hopefully allow you to come and go without entering it. (These are simply layers of security to make sure unauthorized users aren't crashing the event.)

The virtual museum will be open to participants from October 26 - November 24, 2023. Once the event has officially started, the link and password will be active and useable.

What kind of device will you be using when you enter GatherTown? Depending on what device you are using, you'll need to follow slightly different set of instructions. Please see the specifically titled subsections later in this portion of the document. (We recommend using a desktop or laptop computer for the best user experience.)

Reminders:

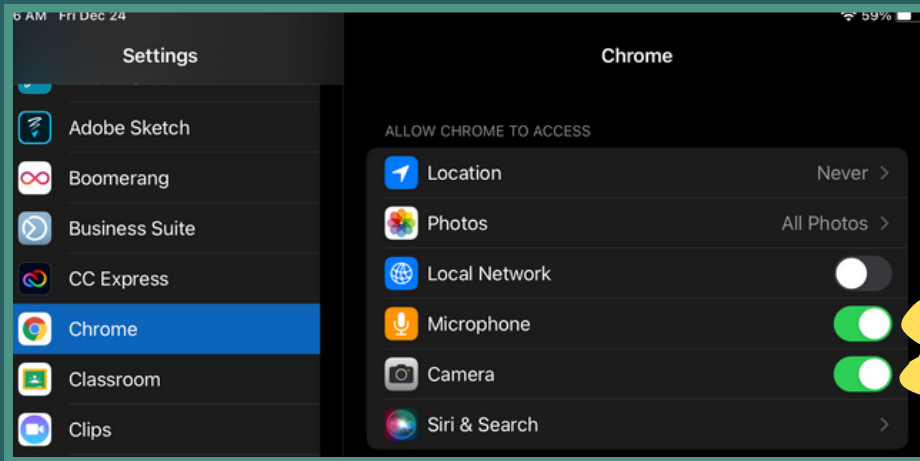
- The SVP Code of Conduct will be in effect and enforced for the entirety of the virtual meeting.
- Screen-capturing or otherwise recording posters or other events and presentations is not permitted without expressed permission from authors/speakers.
- Please do not share virtual museum or Zoom event access links or passwords with persons not registered for the in-person or virtual 2023 SVP meetings. Doing so can potentially create difficult logistics and security problems for attendees and organizers

Virtual Museum Access

- Access Link: https://app.gather.town/invite?token=VQ5i_3fxQO2AgwrVV9p0
- Access Password: 2023SVP

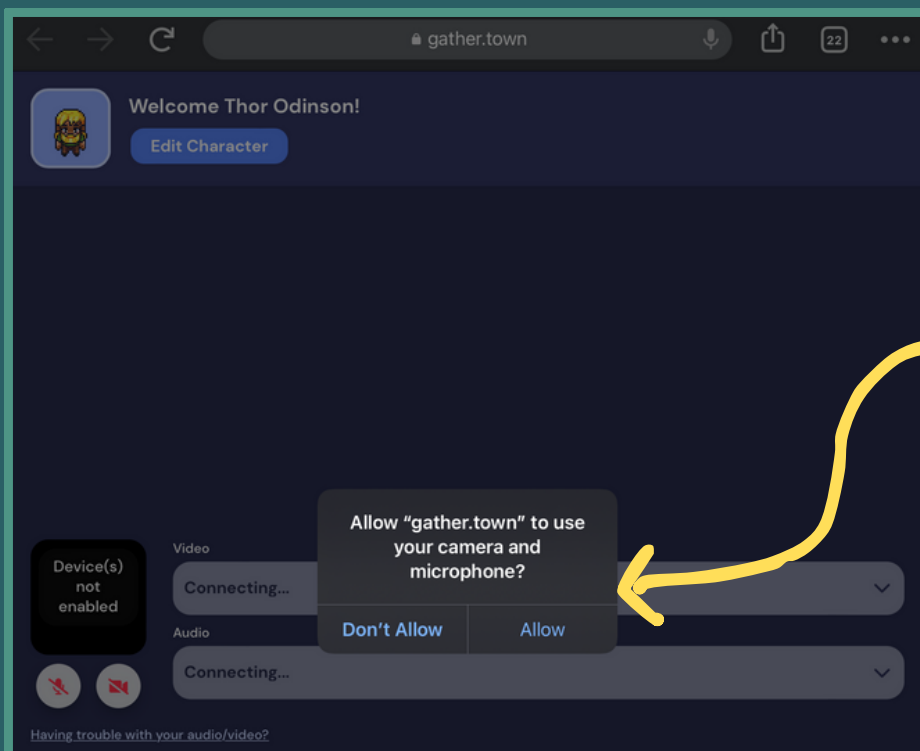
Using GatherTown on a Tablet or Smartphone

As you are entering GatherTown, your Chrome or FireFox browser will ask you for permission to access your computer's camera and microphone. You must allow GatherTown to access your camera and microphone to use the system, so select "Allow" for both. I've provided an example below from an iPad.



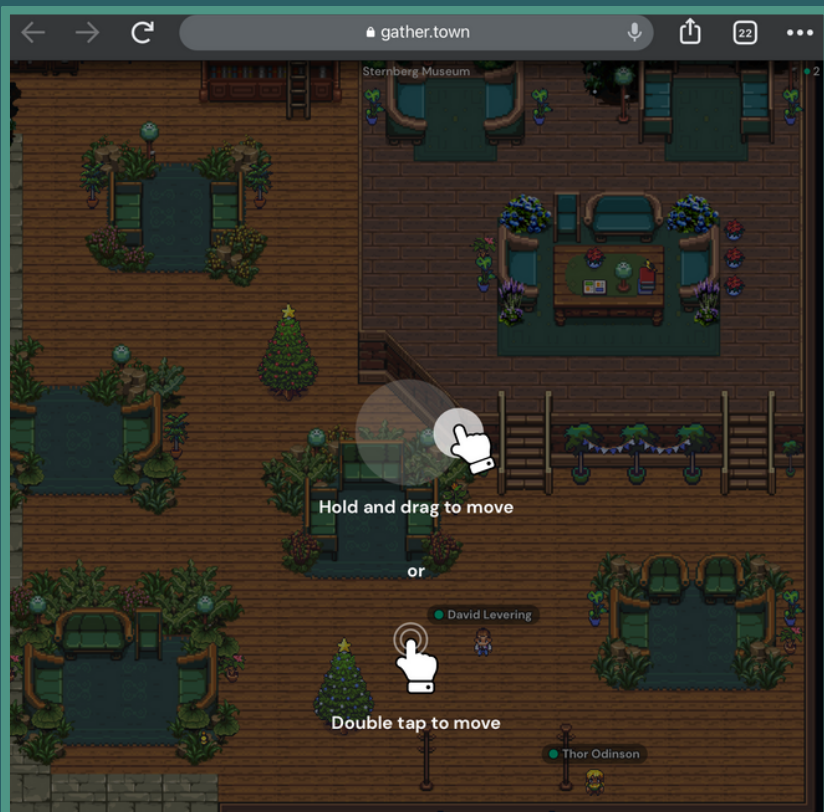
Microphone access switched to "On" for the Chrome browser.

Camera access switched to "On" for the Chrome browser.

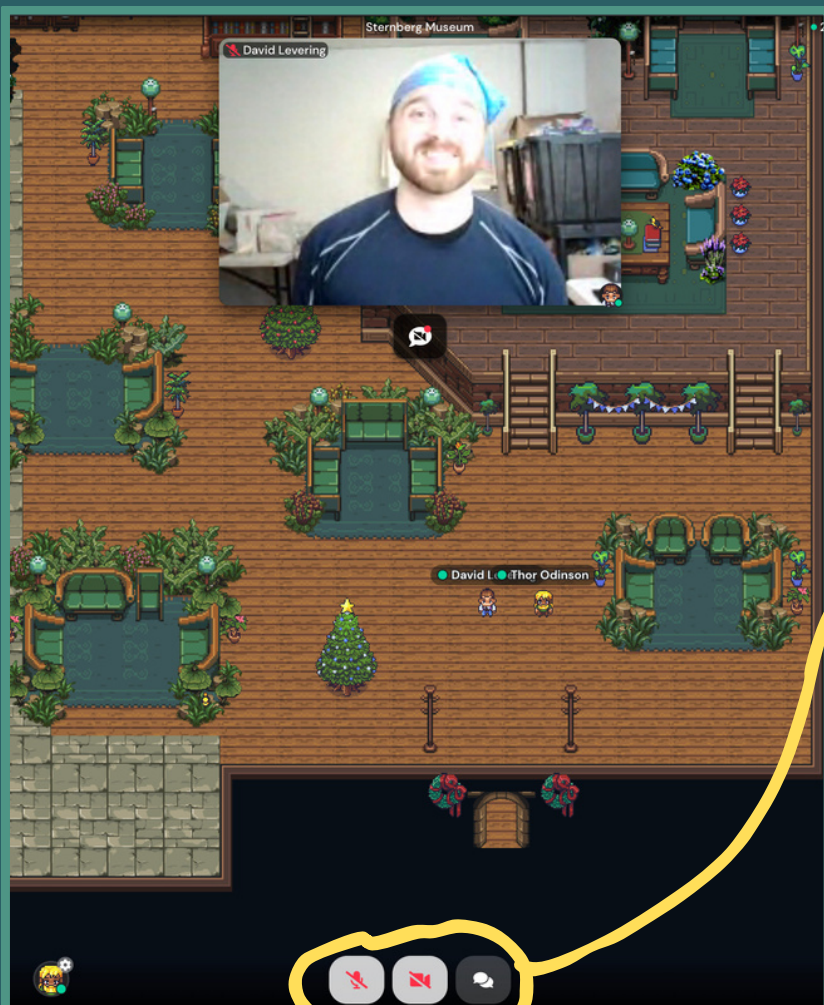


Now GatherTown is now asking specific permission to access your camera and microphone. You already gave your browser permission, and now Gather is asking permission to access them through your browser.

Click "Allow".



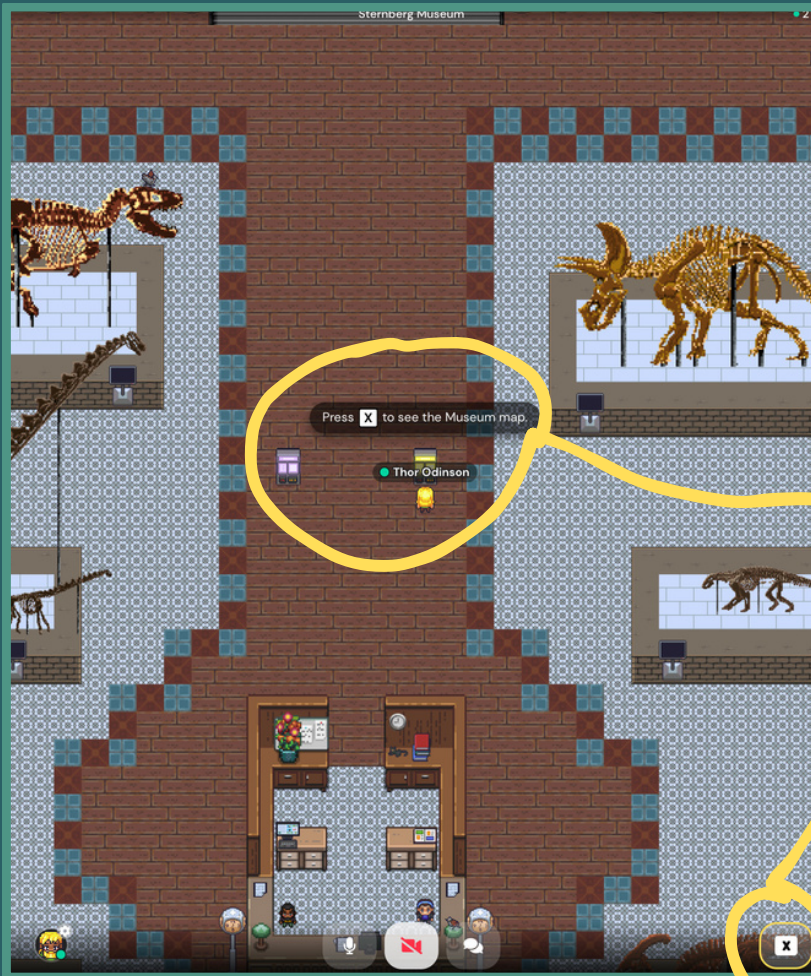
GatherTown will give you some simple instructions on moving around the virtual worlds. (Navigating with arrow keys on a keyboard is much easier, but these methods for touch screens work well enough.)



Moving your character closer to someone else's will turn on a video chat feature. If you move away from them, the video and audio connections will cut off.

Use these buttons at the bottom of your screen to turn your own audio or video on or off.

There is also a text chat feature, which you can enter by clicking the word bubbles button on the right.



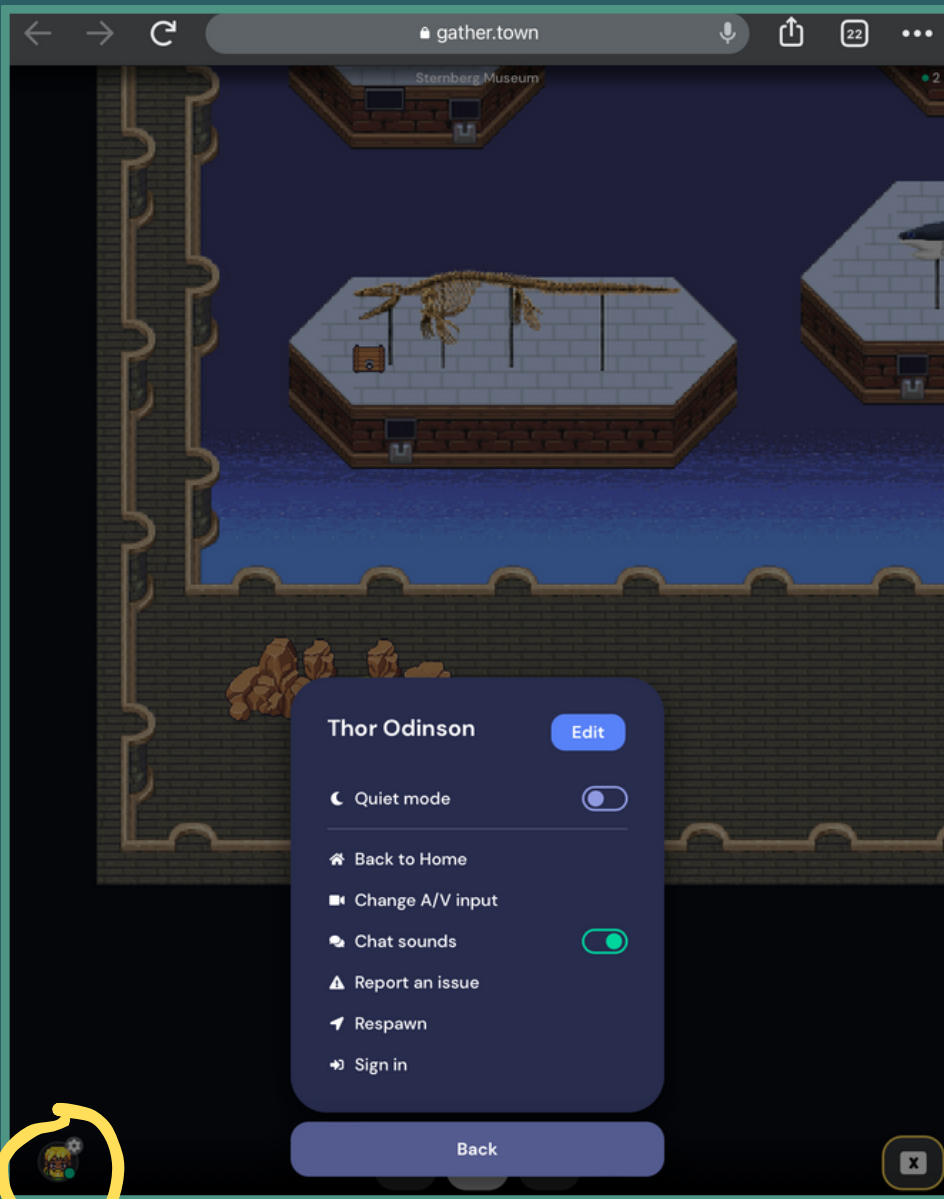
You can interact with embedded media by tapping the “X” at the bottom of your screen when you come across something. To exit, tap the “X” in the upper right corner of your screen.

There are lots of embedded images, videos, and other media around the museum and connected environments! Keep an eye out for pop-up prompt messages like the one shown here.



Around the Museum are “portals” to other worlds within our earth/life science metaverse. If you come across one of these portals, you will see this message pop up. To enter this connected world, tap “Enter space”.

Each of these worlds includes yellow tent portals that will bring you back to the museum. .



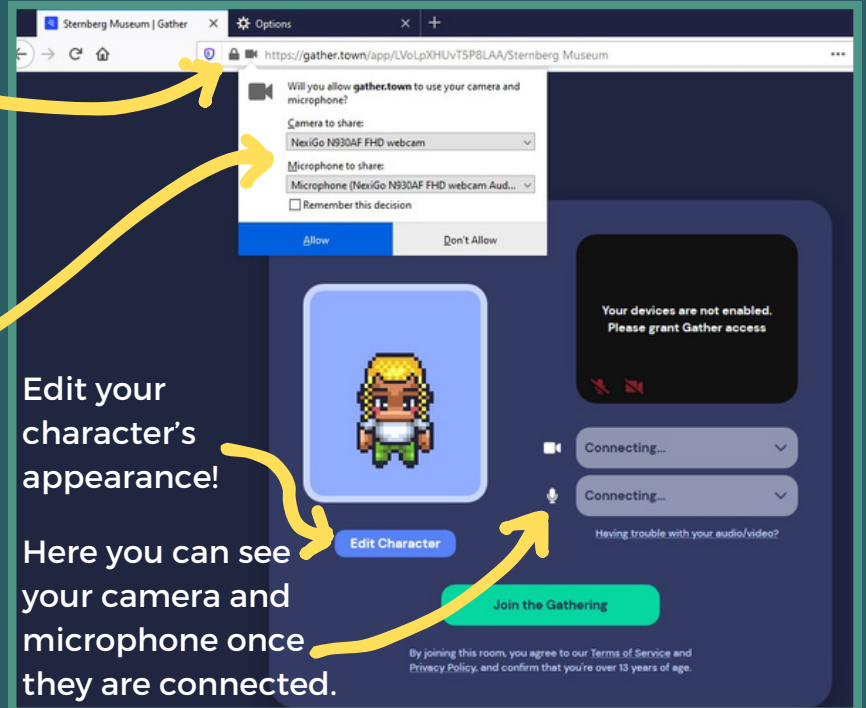
By tapping the icon of your character in the lower left corner, you can access a small menu of other resources. Most important of these is “Respawn”, which will take you back to the beginning of the world you are currently in. This can be very helpful in case you get lost.

Using GatherTown on a Desktop or Laptop

As you are entering GatherTown, your Chrome or FireFox browser will ask you for permission to access your computer's camera and microphone. You must allow GatherTown to access your camera and microphone to use the system, so select "Allow" for both.

Click the lock here to open the permission options menu. This should pop up automatically as you are signing in.

Select the camera and microphone you wish to give GatherTown permission to access. Make sure your camera and microphone are attached and working properly so your browser can detect them. Click Allow once you are happy with your selection.



Edit your character's appearance!

Here you can see your camera and microphone once they are connected.

The Chat function allows you to talk to other users via text. You can also make public comments and ask questions.

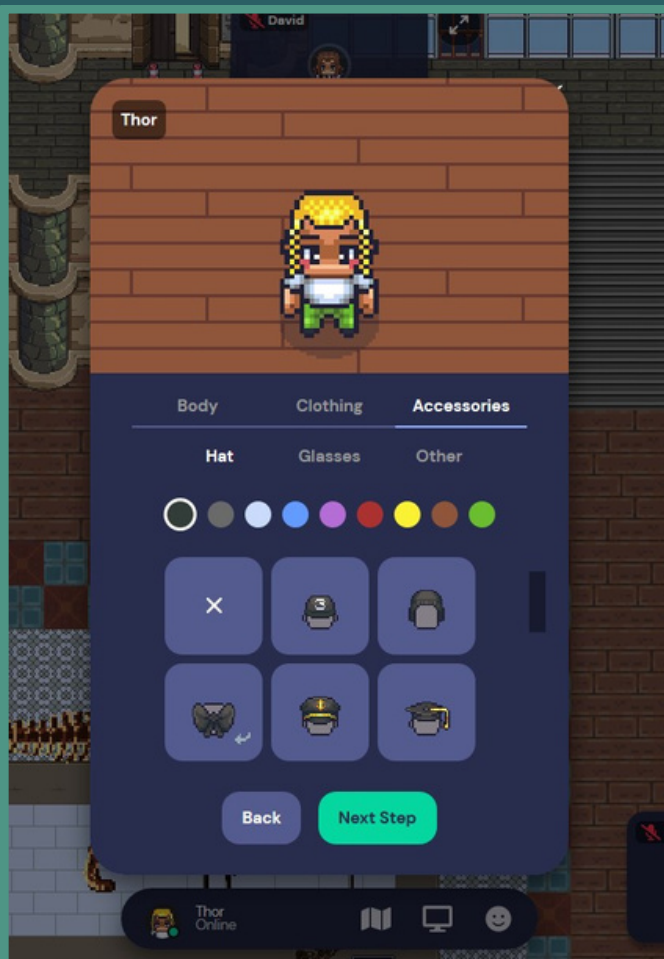
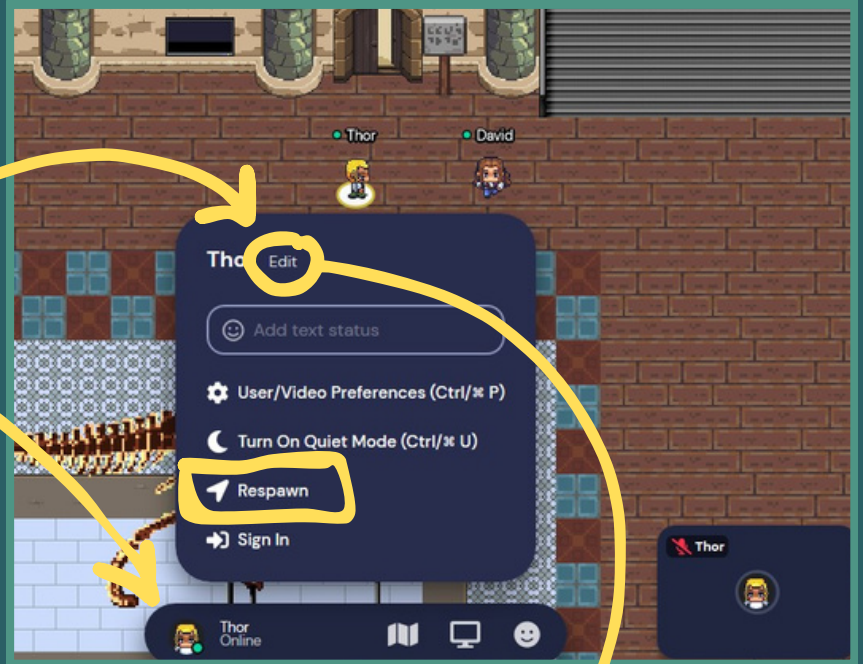
As fair warning, inappropriate use of the Chat function can result in participants being excluded from the Chat, or removed from the event at the discretion of Museum staff. Keep it friendly.



Once you are satisfied with your selections, click the “Join the Gathering” button. Welcome to the Sternberg Museum Online!

Now that you have entered GatherTown, you have a menu of options available at the bottom of your screen. You can use Edit to go back and change your character’s appearance.

The Respawn function will bring you back to the Museum lobby entrance. If you are in one of the other connected worlds, the respawn function will only bring you to the beginning of that world. More on this later!

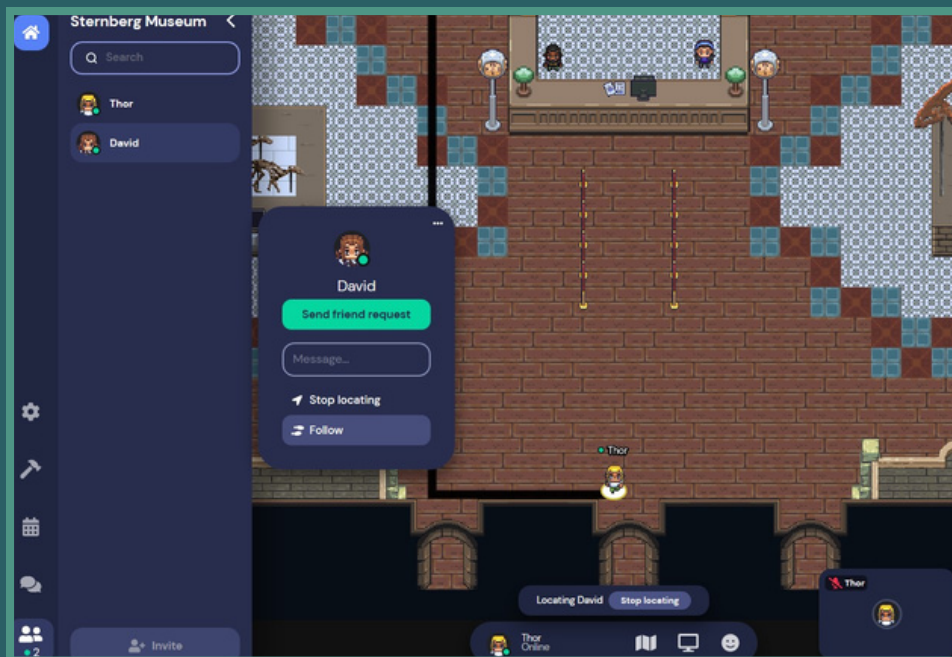


To move your character around, use the arrow keys on your computer's keyboard.

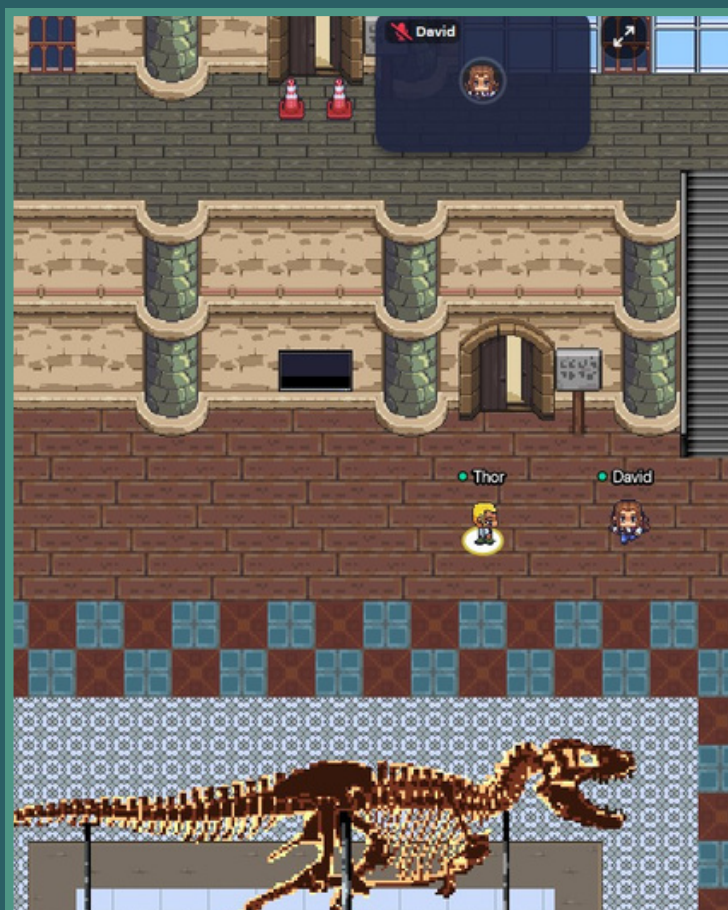
You can also press "x" to interact with other objects that highlight yellow or display pop-up text when you approach them, like the sign seen here. We have interactives all over the museum, so keep a close eye out for objects to click on!



Need to find someone? Click on their name in the participant list, then click "Follow". Your character will automatically start walking towards that individual.



GatherTown uses a proximity-triggered video chat system. This means your video chat will be limited to those who are near your character. If you walk away from someone, or if they walk away from you, the video chat will cut off.



Tents are portals to take you to and from linked exploration worlds. Here you can see a bright yellow tent in the Museum that will take you to the Fossil Desert! Yellow tents in the Desert will bring you back to the Museum.



Here is one of the Desert tents that will bring you back to the Museum!



The virtual museum is the central hub of a series of connected metaverse learning worlds focused on earth and life sciences. Portals to these other worlds are hidden in the virtual museum, along with other surprises for you to discover.

We encourage you to share your discoveries as you explore under the #2023SVP hashtag. If you have any questions about the virtual worlds or other aspects of the virtual meeting, please contact Virtual Meeting Committee Chair David Levering at DALevering@FHSU.edu.

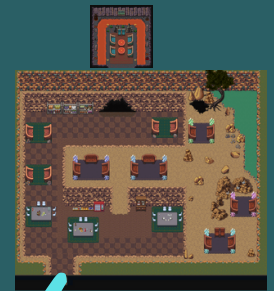
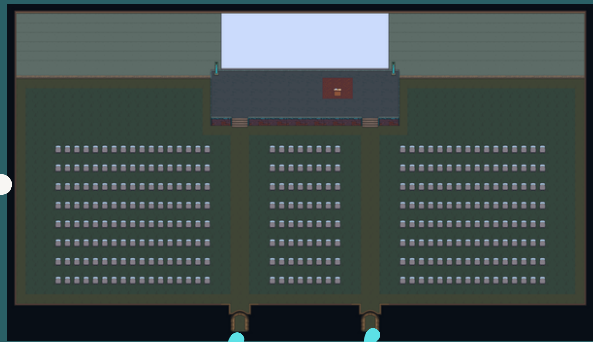
VIRTUAL MUSEUM MAP*

*These are the essential spaces for attending events during the virtual meeting. This map does not include locations of “secret” spaces or portals to other virtual worlds.

You will be able to access Zoom events by entering the Auditorium and pressing “x” to enter the Zoom space. (You may need to close GatherTown while in Zoom as they sometimes don’t get along.)

FIRST FLOOR

AUDITORIUM

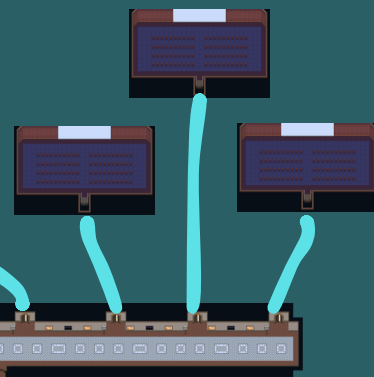


EARTH SCIENCE LOUNGE

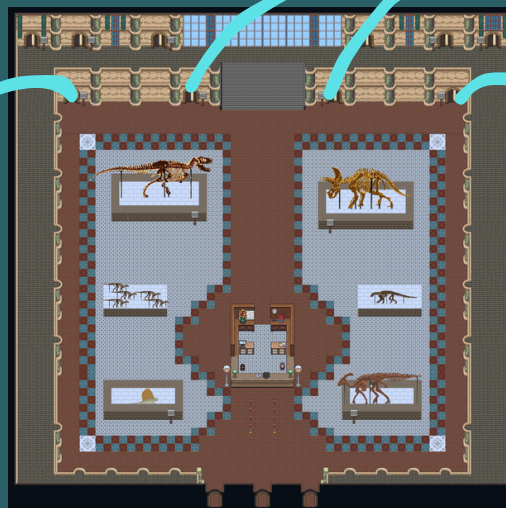
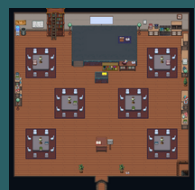
CRETACEOUS SEAWAY EXHIBIT



MOVIE ROOMS



CLASSROOM



MAIN LOBBY

VIRTUAL MUSEUM MAP*

*These are the essential spaces for attending events during the virtual meeting. This map does not include locations of “secret” spaces or portals to other virtual worlds.

SECOND FLOOR

POSTER HALL
#1 - #32

POSTER HALL
#33 - #66

POSTER HALL
#67 - #100

POSTER HALL
#100 - #129

CRETACEOUS SEAWAY EXHIBIT



RACETRACK START/FINISH



LIFE SCIENCE LOUNGE

