

## DETAILED PROGRAM

Sat 8:00	<b>Board of Directors' Continental Breakfast</b> —Amherst Room		
Sat 9-5	<b>Board of Directors' Meeting</b> —Amherst Room		
Sat 11-11	<b>Registration and Dormitory Check-In</b> (UMass Campus Center)		
Sat 6-11	<b>Opening Social</b> (Student Union Ballroom)		
Sun 8:00	<b>Welcome</b> —Auditorium Dr. Thomas Zoeller, Chair, Department of Biology, University of Massachusetts		
	<b>Plenary Session 1</b> --Auditorium		
Sun 8:15	1: <b>Albert R. and Alma Shadle Fellowship in Mammalogy:</b> PHYLOGENETICS OF SHORT-TAILED OPOSSUMS ( <i>MONODELPHIS</i> : DIDELPHIDAE) AS REVEALED BY DENSER TAXON SAMPLING OF CYTOCHROME B GENE DATA Sergio Solari, Department of Biological Sciences, Texas Tech University, Lubbock, Texas		
Sun 8:30	225: <b>American Society of Mammalogists Fellowship in Mammalogy:</b> DIRECT, INDIRECT, AND NET EFFECTS OF LARGE HERBIVORES UPON <i>ACACIA</i> POPULATION DYNAMICS IN CENTRAL KENYA Jacob R. Goheen, Department of Biology, University of New Mexico, Albuquerque, New Mexico, USA, (JRG)		
Sun 8:45	2: <b>Grinnell Award:</b> STUDENT, TEACHER, AND MENTOR: PERSONAL PERSPECTIVES ON BIOLOGY EDUCATION IN THE U.S. Mark S. Hafner, Museum of Natural Science, Louisiana State University, Baton Rouge, LA, USA		
Sun 9:15	3: <b>Merriam Award:</b> EVOLUTION AND DEVELOPMENT IN THE SPOTTED HYENA Kay E. Holekamp, Department of Zoology, Michigan State University, East Lansing, MI, USA		
Sun 9:45	<b>Refreshment Break</b> --165-69 & 162-75		
	<b>Technical Session 1</b> —Auditorium <b>Natural History</b>	<b>Technical Session 2</b> —163C <b>Morphology</b>	<b>Technical Session 3</b> —101 <b>Behavior</b>
Sun 10:15	4: WALKING AND RUNNING IN COMMON VAMPIRE BATS AND NEW ZEALAND SHORT-TAILED BATS Daniel K. Riskin, Stuart Parsons, William A. Schutt, Jr., Gerald G. Carter & John W. Hermanson, Department of Biomedical Sciences, Cornell University, Ithaca, NY, (DKR,JWH), School of Biological Sciences,	11: BODYWEIGHT ESTIMATES AND PALAEOECOLOGICAL DYNAMICS OF PLEISTOCENE MEGAFUNAUNAL KANGAROOS Kristofer M. Helgen, Rod T. Wells, Ben P. Kear, Wayne R. Gerdtz & Timothy F. Flannery, School of Earth and Environmental Sciences, University of Adelaide, Adelaide, SA 5005	18: AFFECT OF WEANING WEIGHT ON SURVIVAL AND REPRODUCTION IN PRAIRIE VOLES Brian Keane, Kristen Lucia, Ashley Richmond & Nancy Solomon, Department of Zoology, Miami University, Hamilton, Ohio, (BK), Department of Zoology, Miami University, Oxford, Ohio, (KEL,ARR,NGS)

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	University of Auckland, Auckland, New Zealand, (SP), C.W. Post College, Long Island University, Brookville, NY, (WAS), Department of Biology, University of Western Ontario, London, ON, Canada, (GGC)	Australia, (KMH), School of Biological Sciences, Flinders University of South Australia, Adelaide, SA 5001 Australia, (RTW), South Australian Museum, North Terrace, Adelaide, SA 5000 Australia, (BPK,TFF), School of Ecology and Environment, Deakin University, Melbourne Campus, Burwood, Victoria, 3125, Australia, (WRG)	
Sun 10:30	5: STATUS AND ECOLOGY OF THE NORTHERN FLYING SQUIRREL <i>GLAUCOMYS SABRINUS</i> IN PENNSYLVANIA Carolyn G. Mahan, Michael A. Steele, Gregroy R. Turner & Michael O'Mahony, Biology & Environmental Studies Program, Penn State Altoona, Altoona, PA, USA, (CGM), Department of Biology, Wilkes University, Wilkes Barre, PA, USA, (MAS,MOM), Wildlife Diversity Section, Pennsylvania Game Commission, Mooresville, PA, USA, (GRT)	12: INTRASPECIFIC VARIATION IN SPERM HEAD SHAPE AND TAIL LENGTH IN MURINE RODENTS William G. Breed, Melissa Bauer, Rebecca Wade, Nattawut Thitipramote, Jintamas Suwajarat & Lisa Yelland, Discipline of Anatomical Sciences, The University of Adelaide, Adelaide, South Australia, (WGB,RW), Discipline of Anatomical Sciences, The University of Adelaide, Adelaide. South Australia, (MB), Dept of Biology, Prince of Songkla University, Hat Yai, Thailand, (NT), Dept. of Biology, Prince of Sonkla University, Hat Yai, Thailand, (JS), Discipline of Public Health, The Univeristy of Adelaide, Adelaide, South Australia, (LY)	19: FRUIT FEEDING BEHAVIOR OF THE SILKY SHORT-TAILED BAT, <i>CAROLLIA BREVICAUDA</i> : AN EXPERIMENTAL STUDY Sharlene E. Santana & Jesus Molinari A., Organismic and Evolutionary Biology, University of Massachusetts Amherst, Amherst, Massachusetts, USA, (SES), Departamento de Biologia, Universidad de Los Andes, Merida, Venezuela, (JMA)
Sun 10:45	6: NATURAL HISTORY OF MAMMALS IN NATIVE AMERICAN ART Jim Kenagy, Burke Museum and Department of Biology, University of Washington, Seattle, Washington, USA, (JK)	13: GHOSTS OF EVOLUTION PAST - A POSSIBLE EXPLANATION FOR EXTREME HYPSONDONTY IN <i>ANTILOCAPRA AMERICANA</i> Gina M. Semprebon, Biology, Bay Path College, Longmeadow, MA, (GMS)	20: NON-FLIGHT USE OF WINGS BY BATS Thomas H. Kunz & Mariana Munoz-Romo, Department of Biology, Boston University, Boston, Massachusetts, USA, (THK,MM-R)
Sun 11:00	7: ROOSTING ECOLOGY AND COLONY DYNAMICS OF NORTHERN MYOTIS ( <i>MYOTIS SEPTENTRIONALIS</i> ) IN A MANAGED FOREST Dale W. Sparks, B. Jagger Foster & Jodi K. Farrell Sparks, Ecology and Organismal Biology, Indiana State University, Terre Haute, Indiana, USA, (DWS), Department of Ecology	14: CETACEAN PELVIC REMNANTS David B Taylor, Biology, Woods Hole Oceanographic Institution, Woods Hole, Massachusetts, USA, (DBT)	21: NATAL DISPERSAL IN JUVENILE PYGMY RABBITS: EVIDENCE FOR FEMALE-BIASED DISPERSAL? Wendy A. Estes-Zumpf & Janet L. Rachlow, Dept. of Fish and Wildlife Resources, CRISSP, University of Idaho, Moscow, Idaho, (WEZ,JR)

## DETAILED PROGRAM

	and Organismal Biology, Indiana State University, Terre Haute, Indiana, USA, (BJF), Department of Geography Geology and Anthropology, Indiana State University, Terre Haute, Indiana, USA, (JKFS)		
Sun 11:15	8: BAT WITH RECORD-BREAKING TONGUE LENGTH POLLINATES HIGHLY SPECIALIZED FLOWER Nathan Muchhala, Department of Biology, University of Miami, Coral Gables, Florida, USA, (NCM)	15: BIOMECHANICS AND FUNCTIONAL MORPHOLOGY OF SUCTION AND RAM FEEDING IN KOGIA AND TURSIOPS (ODONTOCETI: CETACEA) Brian Bloodworth & Christopher D. Marshall, Marine Sciences, Geo-Marine, Inc., Hampton, Virginia, U.S.A., (BB), Marine Biology, Texas A&M University at Galveston, Galveston, Texas, U.S.A., (CDM)	22: ADULT PLAY IN WILD MANTLED HOWLER MONKEYS ( <i>ALOUATTA PALLIATA PALLIATA</i> ) IN COSTA RICA Eugenia Zandonà, Anna Gemma Biasin & Norberto Asensio, Dept. Bioscience and Biotechnology, Drexel University, Philadelphia, PA, (EZ), Dipartimento di Biologia, Università degli Studi di Padova, Padova, Italy, (AGB), Research Centre in Evolutionary Anthropology and Paleoecology, Liverpool John Moores Univ., Liverpool, UK, (NA)
Sun 11:30	9: NOCTURNAL MOVEMENTS OF TWO ENDANGERED SPECIES OF <i>LEPTONYCTERIS</i> (CHIROPTERA: PHYLLOSTOMIDAE) IN AN AREA OF SYMPATRY IN SOUTHWESTERN NEW MEXICO. Paul M. Cryan, Michael A. Bogan & Christa D. Weise, Fort Collins Science Center, U.S. Geological Survey, Fort Collins, Colorado, USA, (PMC), Arid Lands Field Station, Fort Collins Science Center, U.S. Geological Survey, Albuquerque, New Mexico, USA, (MAB), Department of Biology, Univ. New Mexico, Albuquerque, New Mexico, (CDW)	16: EXPLORING VARIATION IN THE QUILL MORPHOLOGY OF MADAGASCAR'S SPINY TENRECS (TENRECIDAE, TENRECINAE) USING SCANNING ELECTRON MICROSCOPY Jonathan L. Fiely & Link E. Olson, Department of Biology and Wildlife, University of Alaska Fairbanks, Fairbanks, Alaska, USA, (JLF), University of Alaska Museum, Fairbanks, Alaska, USA, (LEO)	23: RANK-RELATED PARTNER CHOICE IN THE FISSION-FUSION SOCIETY OF SPOTTED HYENAS Jennifer E. Smith, Sandra K. Memenis & Kay E. Holekamp, Zoology, Michigan State University, East Lansing, MI 48824, USA, (JES,SKM,KEH)
Sun 11:45	10: HOME RANGES AND ACTIVITY PATTERNS OF ENDANGERED DARWIN'S FOXES AND THEIR SYMPATRIC CONGENERS IN THE NAHUEL BUTA MOUNTAINS, SOUTH-CENTRAL CHILE. Elise McMahon, Veronica Farias & Todd K. Fuller, Organismic and Evolutionary Biology, University of Massachusetts Amherst, Amherst,	17: THE EVOLUTION OF POST-CRANIAL ECOMORPHS IN THE MUSTELIDAE Anthony R. Friscia, Sophie Gilbert, Klaus-Peter Koepfli & Blaire Van Valkenburgh, Department of Ecology and Evolutionary Biology, University of California - Los Angeles, Los Angeles, California, USA, (ARF,SG,KPK,BVV)	24: SEX, AGE AND SCENT IN THE SPOTTED HYENA Kevin R. Theis, Anna L. Heckla & Kay E. Holekamp, Department of Zoology, Michigan State University, East Lansing, Michigan, USA, (KRT,ALH,KEH)

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	Massachusetts, USA, (EM), Natural Resources Conservation, University of Massachusetts Amherst, Amherst, Massachusetts, (VF,TKF)		
Sun 12:00	<b>Lunch</b>		
	<b>Technical Session 4—Auditorium Conservation</b>	<b>Technical Session 5—163C Biogeography</b>	<b>Technical Session 6—101 Population Ecology</b>
Sun 1:30	25: CHANGES IN SPERM WHALE ( <i>PHYSETER MACROCEPHALUS</i> ) FORAGING BEHAVIOR DURING CONTROLLED EXPOSURE TO AIRGUN SOUNDS Stacy L. DeRuiter, Andy Solow, Patrick J.O. Miller & Peter L. Tyack, Department of Biology, MIT/Woods Hole Oceanographic Institution Joint Program, Woods Hole, Massachusetts, USA, (SLD), Marine Policy Center, Woods Hole Oceanographic Institution, Woods Hole, Massachusetts, USA, (AS), Sea Mammal Research Unit, University of St. Andrews, St. Andrews, Scotland, UK, (PJOM), Department of Biology, Woods Hole Oceanographic Institution, Woods Hole, Massachusetts, USA, (PLT)	32: GIS-BASED ANALYSIS OF HARP SEAL ( <i>PHOCA GROENLANDICA</i> ) AND HOODED SEAL ( <i>CYSTOPHORA CRISTATA</i> ) STRANDING LOCATIONS IN THE GULF OF MAINE David E. Harris & Sat N. Gupta, Natural & Applied Sciences, Lewiston-Auburn College, University of Southern Maine, Lewiston, Maine, USA, (DEH), Statistics Division , University of North Carolina at Greensboro, Greensboro, North Carolina, USA, (SNG)	39: AUTOCORRELATION AND DENSITY DEPENDENCE IN VITAL RATES OF FREE-LIVING POPULATIONS OF COTTON RATS ( <i>SIGMODON HISPIDUS</i> ) AND PRAIRIE VOLES ( <i>MICROTUS OCHROGASTER</i> ) Norman A. Slade and Aaron W. Reed, Ecol. & Evol. Biol. and Nat. Hist. Mus./Biodiv. Res. Center, University of Kansas, Lawrence, Kansas USA, (NAS)
Sun 1:45	26: POPULATION LEVEL RESPONSES OF PHYLLOSTOMID BATS TO FOREST MANAGEMENT AND PHYSIOGNOMY IN LOWLAND AMAZONIA Steven J. Presley, Michael R. Willig & Joseph M. Wunderle, Jr., Center for Environmental Sciences and Engineering, University of Connecticut, Storrs, Connecticut, USA, (SJP,MRW), International Institute of Tropical Forestry, USDA Forest Service, Luquillo, Puerto Rico, USA, (JMW)	33: PHYLOGEOGRAPHY OF THE DARK KANGAROO MOUSE, <i>MICRODIPODOPS MEGACEPHALUS</i> Nathan S. Upham, John C. Hafner & Emily Reddington, Moore Laboratory of Zoology and Department of Biology, Occidental College, Los Angeles, California, USA, (NSU,JCH,ER)	40: INCLUDING AUTOCORRELATION AND DENSITY DEPENDENCE IN STRUCTURED MATRIX MODELS Aaron W. Reed & Norman A. Slade, Nat. Hist. Mus./ Bio. Res. Cent. and Dept. Ecol. Evol. Biol., University of Kansas, Lawrence, KS, USA, (AWR,NAS)
Sun 2:00	27: AN EVALUATION OF THE CURRENT DISTRIBUTION AND CONSERVATION STATUS OF THE EASTERN SPOTTED	34: POPULATION GENETICS AND RECENT COLONIZATION OF <i>PEROMYSCUS</i> MICE IN THE SAN JUAN	41: PRESERVING A PIECE OF THE PRAIRIE: PARTNERSHIPS ARE KEY FOR SWIFT FOX RESTORATION IN SOUTH

## DETAILED PROGRAM

	<p>SKUNK (<i>SPILOGALE PUTORIUS</i>) IN KANSAS Shannan K. Nilz &amp; Elmer J. Finck, Department of Biological Sciences, Fort Hays State University, Hays, Kansas, USA, (SKN,EJF)</p>	<p>ISLANDS ARCHIPELAGO Dou-Shuan Yang &amp; G. J. Kenagy, Burke Museum, University of Washington, Seattle, Washington, USA, (DSY,GJK)</p>	<p>DAKOTA Francesca J. Ferrara, Kevin M. Honness, Shaun M. Grassel, Doug Albertson, Greg Schroeder &amp; Trudy M. Ecoffey, Biological Research Division, Oglala Sioux Parks and Recreation Authority, Kyle, SD, USA, (FJF,TME), Swift Fox Restoration Project, Turner Endangered Species Fund, Fort Pierre, SD, USA, (KMH), Department of Wildlife, Fish and Recreation , Lower Brule Sioux Tribe, Lower Brule, SD, USA, (SMG), Badlands National Park, Interior, SD, USA, (DA,GS)</p>
Sun 2:15	<p>28: SEASONAL MOVEMENT AND TROPHIC STATUS OF RIGHT WHALES IN THE NORTHWEST ATLANTIC ASSESSED WITH STABLE ISOTOPE ANALYSIS OF BALEEN AND ZOOPLANKTON Nadine S. Lysiak, Michael J. Moore, Ivan Valiela &amp; Amy R. Knowlton, Marine Program, Boston University, Woods Hole, Massachusetts, USA, (NSL,IV), Department of Biology, Woods Hole Oceanographic Institution, Woods Hole, Massachusetts, USA, (MJM), Right Whale Research Group, New England Aquarium, Boston, Massachusetts, (ARK)</p>	<p>35: MITOCHONDRIAL DNA AND KARYOTYPIC DIFFERENTIATION OF A GEOGRAPHICALLY ISOLATED PENINSULAR POPULATION OF MAZAMA POCKET GOPHERS (<i>THOMOMYS MAZAMA</i>) IN WASHINGTON Corey K. Welch &amp; Jim Kenagy, Burke Museum &amp; Department of Biology, University of Washington, Seattle, Washington, USA, (CKW,GJK)</p>	<p>42: GENETIC AND MORPHOLOGICAL VARIATION ACROSS AN AREA OF TRANSITION BETWEEN <i>N. FUSCIPES</i> AND <i>N. MACROTIS</i>. Marjorie D. Matocq &amp; Peter J. Murphy, Department of Biology, Idaho State University, Pocatello, Idaho, (MDM,PJM)</p>
Sun 2:30	<p>29: EXPERIMENTAL TEST OF THE IMPACTS OF NONNATIVE WILD PIGS (<i>SUS SCROFA</i>) ON SMALL MAMMAL COMMUNITIES IN CALIFORNIA OAK WOODLANDS Rick A. Sweitzer &amp; Dirk H. Van Vuren, Department of Biology, Univ. North Dakota, Grand Forks, North Dakota, (RAS), Department of Wildlife, Fish, and Conservation Biology, Univ. California, Davis, California, (DHV)</p>	<p>36: EVIDENCE FOR HISTORICAL CONNECTIVITY OF MAINLAND AND ISLAND <i>DROMICIOPS GLIROIDES</i> POPULATIONS IN SOUTH AMERICAN TEMPERATE RAINFOREST Christopher M.T. Himes &amp; Jim Kenagy, Burke Museum &amp; Department of Biology, University of Washington, Seattle, Washington, USA, (CMTH,GJK)</p>	<p>43: PERIODIC AROUSALS OF THE BIG BROWN BAT <i>EPTESICUS FUSCUS</i> Amy L. Fairbairn &amp; John O. Whitaker, Jr., Department of Ecology and Organismal Biology, Indiana State University, Terre Haute, IN, (ALF,JOW)</p>
Sun 2:45	<p>30: DISTINCT EFFECTS OF FOREST FRAGMENTATION ON THE DENSITIES OF TWO SIMILAR SPECIES OF AMAZONIAN</p>	<p>37: PHYLOGEOGRAPHIC IMPLICATIONS OF TWO NEW MTDNA HAPLOTYPES IN <i>PEROGNATHUS AMPLUS</i> AND <i>P.</i></p>	<p>44: EVIDENCE OF A ROLE FOR SMALL MAMMALS IN THE ECOLOGY OF PLAGUE IN PRAIRIE DOG COLONIES</p>

## DETAILED PROGRAM

	<p>RODENTS Malu S.P. Jorge, Department of Biological Sciences, University of Illinois at Chicago, Chicago, Illinois, USA, (MSPJ)</p>	<p><i>LONGIMEMBRIS</i> FROM ARIZONA. Mark L. McKnight, Biology Department, Missouri State University, Springfield, Missouri, USA, (MLM)</p>	<p>Paul Stapp &amp; Daniel J. Salkeld, Department of Biological Sciences, California State University, Fullerton, California, USA, (PS), Department of Environmental Science, Policy and Management, University of California, Berkeley, California, USA, (DJS)</p>
Sun 3:00	<p>31: GRASSLAND INVASION AND MAMMAL-MEDIATED APPARENT COMPETITION. John L. Orrock, Marti Witter &amp; O. J. Reichman, National Center for Ecological Analysis and Synthesis, Santa Barbara, California, USA, (JLO,OJR), Santa Monica Mountains National Recreation Area, National Park Service, Thousand Oaks, California, USA, (MW)</p>	<p>38: SYSTEMATICS OF <i>OLIGORYZOMYS FULVESCENS</i> Raj P. Singh &amp; Jorge Salazar Bravo, McNair Scholar, Dept. Biological Sciences, Texas Tech University, Lubbock, Texas, USA, (RPS), Biological Sciences, Texas Tech University, Lubbock, TX, USA, (JSB)</p>	<p>45: RAPID ADAPTATION TO CLIMATE CHANGE OVER THE LATE QUATERNARY Felisa A. Smith, Department of Biology, University of New Mexico, Albuquerque, NM, (FAS)</p>
Sun 3:15	<b>Refreshment Break</b> —165-69, 162-75		
Sun 3:45-5:45	<b>Poster Session 1</b> —1 <sup>st</sup> Floor Concourse		
	<p>46: EVOLUTION OF MORPHOLOGICAL ADAPTATIONS FOR DIGGING IN LIVING AND EXTINCT CTENOMYID AND OCTODONTID RODENTS (CAVIOMORPHA: OCTODONTOIDEA) Enrique P. Lessa, Aldo I. Vasallo, Diego H. Verzi &amp; Matias S. Mora, Laboratorio de Evolucion, Facultad de Ciencias, Universidad de la Republica, Montevideo, URUGUAY, (EPL), Universidad Nacional de Mar del Plata, Mar del Plata, ARGENTINA, (AIV,MSM), Facultad de Ciencias Naturales y Museo de La Plata, La Plata, ARGENTINA, (DHV)</p>		
	<p>47: BEAKED WHALE IDENTIFICATION REFERENCE ON THE WEB: COMBINING RESOURCES TO CREATE A VIRTUAL COMPARATIVE COLLECTION Bernadette M. Allen, Diane E. Pitassy &amp; James G. Mead, National Museum of Natural History, Smithsonian Institution, Washington, DC, USA, (BMA,DEP,JGM)</p>		
	<p>48: IDENTIFICATION OF BAT HAIR Suzanne C. Peurach, USGS Patuxent Wildlife Research Center, Smithsonian Institution, National Museum of Natural History, Washington, DC, USA, (SCP)</p>		
	<p>49: DIETARY RECONSTRUCTION OF CREODONTS AND NICHE OVERLAP WITH CARNIVORANS Amanda C. Hitchcock, Eric W. Dewar &amp; Margery C. Coombs, Department of Biology, University of Massachusetts Amherst, Amherst, Massachusetts, USA, (ACH,MCC), Graduate Program in Organismic and Evolutionary Biology, University of Massachusetts Amherst, Amherst, Massachusetts, USA, (EWD)</p>		
	<p>50: ENVIRONMENTAL RESPONSES TO ALTITUDINAL GRADIENTS AND SUBSPECIFIC VALIDITY IN POCKET GOPHERS (<i>THOMOMYS BOTTAE</i>) FROM BAJA CALIFORNIA SUR, MEXICO Evelyn Rios &amp; Sergio Ticul Alvarez-Castañeda, Mammals Collection, Northwest Biological Research Center, La Paz, Baja California Sur, Mexico,</p>		

## DETAILED PROGRAM

	<p>51: THE EFFECTS OF BOT FLY PARASITISM ON MOVEMENTS OF PEROMYSCUS LEUCOPUS. Michael J. Cramer &amp; Guy N. Cameron, Department of Biological Sciences, University of Cincinnati, Cincinnati, Ohio, USA, (MJC,GNC)</p>
	<p>52: MICROHABITAT ANALYSIS OF EASTERN WOODRAT (<i>NEOTOMA FLORIDANA FLORIDANA</i>) NEST SITES IN THE SOUTH CAROLINA COASTAL PLAIN Travis W. Knowles &amp; Joseph R. Burger, Department of Biology, Francis Marion University, Florence, South Carolina, USA, (TWK,JRB)</p>
	<p>53: HOME RANGE AND ACTIVITY OF NORTHERN FLYING SQUIRRELS (<i>GLAUCOMYS SABRINUS</i>) IN THE SIERRA NEVADA James A. Wilson, Douglas A. Kelt &amp; Dirk H. Van Vuren, Wildlife, Fish, and Conservation Biology, University of California, Davis, CA, (JAW,DAK,DHV)</p>
	<p>54: ACTIVITY PATTERNS OF TWO SYMPATRIC SKUNK SPECIES (<i>MEPHITIS MEPHITIS</i> AND <i>SPILOGALE GRACILIS</i>) IN TEXAS Sean A. Neiswenter &amp; Robert C. Dowler, Department of Biological Sciences, University of Nevada, Las Vegas, Las Vegas, NV, (SAN), Department of Biology, Angelo State University, San Angelo, TX, (RCD)</p>
	<p>55: BAT (CHIROPTERA) INVENTORY OF NORTH CAROLINA STATE PARKS 1999-2005 Lisa J. Gatens, Seth J. Lambiasi &amp; Mary Kay Clark, North Carolina Museum of Natural Sciences, Raleigh, North Carolina, (LJG), North Carolina Division of Parks and Recreation, Raleigh, North Carolina, (SJL), North Carolina Wildlife Resources Commission, Raleigh, North Carolina, (MKC)</p>
	<p>56: GEOPHAGY AND NATRIPHAGY IN THE PORCUPINE Uldis Roze, Biology, Queens College, Flushing, NY 11367, (UR)</p>
	<p>57: EFFECT OF LITTER SIZE AND SEX ON PERFORMANCE OF A MOTOR TASK IN <i>CHAETODIPUS NELSSONI</i> Fred Punzo, Department of Biology, University of Tampa, Tampa, Florida, USA, (FP)</p>
	<p>58: HABITAT USE OF DUSKY-FOOTED WOODRATS (<i>NEOTOMA FUSCIPE</i>) IN MIXED-CONIFER FOREST OF THE NORTHERN SIERRA NEVADA, CALIFORNIA Robin J. Innes, Dirk H. Van Vuren, Douglas A. Kelt, James A. Wilson &amp; Michael L. Johnson, Department of Wildlife, Fish and Conservation Biology, University of California Davis, Davis, California, USA, (RJL,DHV), Department of Wildlife, Fish and Conservation Biology, University of California Davis, Davis, California, USA, (DAK), Department of California Davis, University of California Davis, Davis, California, USA, (JAM), Department of Medicine and Epidemiology, University of California Davis, Davis, California, USA, (MLJ)</p>
	<p>59: A SHOT IN THE DARK: THE SEARCH FOR ACCURACY IN ESTIMATING SNOW LEOPARD ABUNDANCE Kyle P. McCarthy, Todd K. Fuller, Thomas M. McCarthy &amp; Ma Ming, Department of Natural Resources Conservation, University of Massachusetts Amherst, Amherst, Massachusetts, USA, (KPM,TKF), International Snow Leopard Trust, Seattle, Washington, USA, (TMM), Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences, Xinjiang, Urumqi, China, (MM)</p>
	<p>60: TEMPORAL AND SPATIAL DISTRIBUTION OF HUMBACK WHALES AROUND THE MAIN HAWAIIAN ISLANDS Daniela Maldini, Peter B. Nilsson &amp; Christine Brammer, Department of Biology, University of Massachusetts Amherst, Amherst, Massachusetts, USA, (DM), Research, Beaufort 9 Consulting, Marlborough, MA, USA, (PBN), Hawaiian Islands Humpback Whale National Marine Sanctuary, Honolulu, Hawaii, USA, (CB)</p>
	<p>61: A 25-YEAR STUDY OF SMALL MAMMALS IN TALLGRASS PRAIRIE: TEMPORAL VARIATION IN ABUNDANCE OF THE DEER MOUSE Glennis A. Kaufman &amp; Donald W. Kaufman, Division of Biology, Kansas State University, Manhattan, Kansas, USA, (GAK,DWK)</p>
	<p>62: DEATH VALLEY WOODRATS; A POPULATION BENDING THE RULES? Ian W. Murray &amp; Felisa A. Smith, Department of Biology, University of New Mexico, Albuquerque, NM, 87131 USA, (IWM), Department of Biology, University of New Mexico, Albuquerque, NM 87131, USA, (FAS)</p>

## DETAILED PROGRAM

	<p>63: MARK-RECAPTURE WITH HETEROGENEITY: INSIGHTS INTO THE MOSAIC OF BOTTLENOSE DOLPHINS (<i>TURSIOPS TRUNCATUS</i>) COMMUNITIES ON FLORIDA'S WEST COAST. Shannon Gowans, Jason B. Allen &amp; John E. Reynolds, III, Marine Science and Biology, Eckerd College, St. Petersburg Florida, (SG), Mote Marine Laboratory, Sarasota, Florida, (JBM), Mote Marine Laboratory, Sarasota Florida, (JER)</p>
	<p>64: TRI-TROPHIC INTERACTIONS BETWEEN SMALL MAMMALS, OAKS, AND WEEVILS: ARE INFESTED SEEDS DISPERSED? Charles Yurkon, Allyson Bazarsky, Shealyn Marino, Jeffrey Moore, Robert Swihart &amp; Michael Steele, Department of Biology, Wilkes University, Wilkes-Barre, Pennsylvania, USA, (CY,AB,SM,MS), Duke Center for Marine Conservation, Duke University Marine Laboratory, Beaufort, North Carolina, USA, (JM), Department of Forestry and Natural Resources, Purdue University, West Lafayette, Indiana, USA, (RS)</p>
	<p>65: POPULATION GENETICS OF THE DEER MICE, <i>PEROMYSCUS MANICULATUS</i>, FROM THE WARNER MOUNTAINS OF CALIFORNIA: ONE LINEAGE OR TWO? Stephanie A. White, Stephanie MacDonald, Allison Ivancovich, Leslee A. Parr &amp; John O. Matson, Department of Biology, San Jose State University, San Jose, CA 95192-0100, (SAW,SM,AL,LAP,JOM)</p>
	<p>66: PHYLOGENETIC RELATIONSHIPS AMONG THE MURININAE: EVIDENCE FROM MITOCHONDRIAL AND NUCLEAR DNA SEQUENCES Judith L. Eger, Charles M. Francis, Burton Lim &amp; Patricia D. Ross, Department of Natural History, Royal Ontario Museum, Toronto, ON, Canada, (JLE,BL,PDR), National Wildlife Research Centre, Canadian Wildlife Service, Ottawa, ON, Canada, (CMF)</p>
	<p>67: CRYPTIC VARIATION IN <i>RHINOLOPHUS ARCUATUS</i>: ARE SYMPATRIC MORPHS SISTER SPECIES? Sarah E. Weyandt, Jodi L. Sedlock &amp; Lawrence R. Heaney, Committee on Evolutionary Biology, University of Chicago, Chicago, Illinois, USA, (SEW), Department of Biology, Lawrence University, Appleton, Wisconsin, USA, (JLS), Division of Mammals, The Field Museum, Chicago, Illinois, USA, (LRH)</p>
	<p>68: EVOLUTIONARY RADIATIONS IN THE NEOTROPICS: PHYLOGENY OF BROAD-NOSED BATS, GENUS <i>PLATYRRHINUS</i> (CHIROPTERA: PHYLLOSTOMIDAE) Paul M. Velazco &amp; Bruce D. Patterson, Department of Biological Sciences, University of Illinois at Chicago, Chicago, Illinois, USA, (PMV), Division of Mammals, Field Museum of Natural History, Chicago, Illinois, USA, (BDP)</p>
	<p>69: LANDSCAPE VARIATION IN DESERT RODENT COMMUNITY RESPONSE TO GRASSLAND-SHRUBLAND ECOTONES Andrea Campanella, Brandon Bestelmeyer, Gary Roemer &amp; Debra Peters, Biology, New Mexico State University, Las Cruces, New Mexico, USA, (AC), Jornada Experimental Range, USDA Agricultural Research Service, Las Cruces, New Mexico, USA, (BB,DP), Fishery and Wildlife Sciences, New Mexico State University, Las Cruces, New Mexico, USA, (GR)</p>
	<p>70: REMOVAL OF MAMMALIAN PREDATORS REDUCES PREDATION RATE ON ARTIFICIAL BEACH-NESTS ON THE VIRGINIA BARRIER ISLANDS Raymond D. Dueser, Joel D. Martin, John H. Porter &amp; Nancy D. Moncrief, Dept. of Wildland Resources, Utah State University, Logan, UT 84322, (RDD, JDM), Dept. of Environmental Sciences, University of Virginia, Charlottesville, VA 22903, (JHP), Virginia Museum of Natural History, 1001 Douglas Ave. , Martinsville, VA 24112 , (NDM)</p>
	<p>71: STABLE-ISOTOPE ANALYSIS OF DIET IN THE SHORT-TAILED FRUIT BATS (CHIROPTERA: PHYLLOSTOMIDAE: <i>CAROLLIA</i>) Heather A. York &amp; Sharon A. Billings, Department of Ecology and Evolutionary Biology, University of Kansas, Lawrence, KS, USA, (HAY,SAB)</p>
	<p>72: CYTOCHROME-B AND KARYOTYPIC VARIATION IN <i>MICROTUS</i> FROM UKRAINE Genevieve C. Kendall, Steven R. Hoofer, Heather N. Meeks, Sergey Gaschak, Julia Makluk &amp; Robert J. Baker, Department of Biology, Texas Tech University, Lubbock, TX, USA, (GCK,SRH,HNM,RJB), International Radioecology Laboratory, Slavutych, Ukraine, (SG,JM)</p>



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	<p>73: GENERIC STATUS OF THE AMERICAN PIPISTRELLES (VESPERTILIONIDAE) WITH DESCRIPTION OF A NEW GENUS Steven R. Hooper, R. A. Van Den Bussche &amp; Ivan Horacek, Department of Biological Sciences, Texas Tech University, Lubbock, TX, (SRH), Department of Zoology, Oklahoma State Univ., Stillwater, OK, (RAVDB), Department of Zoology, Charles University, Praha, Czech Republic, (IH)</p>
	<p>74: GEOGRAPHIC VARIATION AND RELATIONSHIPS AMONG SMALLER SPECIES OF NECTAR-FEEDING BATS OF THE GENUS <i>LONCHOPHYLLA</i> (CHIROPTERA, PHYLLOSTOMIDAE). Neal Woodmann, USGS Patuxent Wildlife Research Center, National Museum of Natural History, Washington, D.C. , (NW)</p>
	<p>75: MORPHOMETRIC ANALYSES OF GEOGRAPHICALLY ISOLATED John R. Middleton &amp; Jorge Salazar-Bravo, Department of Biological Sciences, Texas Tech University, Lubbock, Texas, USA, (JRM,JSB)</p>
	<p>76: EXAMINATION OF TWO HYBRID ZONES IN <i>GEOMYS</i> Ryan R Chambers, Meredith J Hamilton, Hugh H Genoways &amp; Robert D Bradley, Department of Biological Sciences, Texas Tech University, Lubbock, Texas, USA, (RRC,RDB), Department of Zoology, Oklahoma State University, Stillwater, Oklahoma, USA, (MJH), University of Nebraska State Museum, Lincoln, Nebraska, USA, (HHG)</p>
	<p>77: MOLECULAR SYSTEMATICS OF <i>SIGMODON</i> BASED ON MITOCHONDRIAL AND NUCLEAR GENE SEQUENCES Dallas D. Henson &amp; Robert D. Bradley, Department of Biology, Texas Tech University, Lubbock, Texas, USA, (DDH,RDB)</p>
	<p>78: PHYLOGEOGRAPHY OF THE MARSH RICE RAT, <i>ORYZOMYS PALUSTRIS</i> Jane L. Indorf, Department of Biology, University of Miami, Miami, Florida, USA, (JLI)</p>
	<p>79: DO TWO SPECIES OF AMERICAN MARTENS EXIST? – A LOOK AT FECUNDITY Sara R. Anglin, Neil Anderson &amp; Karen D. Stone, Department of Biology, Southern Oregon University, Ashland, Oregon, USA, (SRA,KDS), Montana Fish, Wildlife and Parks, Missoula, Montana, USA, (NA)</p>
	<p>80: HOW HOT IS THIS BIODIVERSITY HOTSPOT? ASSESSING GENETIC DIVERSITY WITHIN THE NATIVE MALAGASY RODENT GENUS <i>ELIURUS</i> Maren A. Korpela, Steven M. Goodman &amp; Sharon A. Jansa, Bell Museum of Natural History, University of Minnesota, St. Paul, Minnesota, USA, (MAK,SAJ), Division of Mammalogy, Field Museum of Natural History, Chicago, Illinois, USA, (SMG)</p>
	<p>81: EVIDENCE OF NATAL HABITAT PREFERENCE INDUCTION IN DISPERSING JUVENILE BRUSH MICE Karen E. Mabry &amp; Judy A. Stamps, Section of Evolution and Ecology, University of California, Davis, Davis, CA, USA, (KEM,JAS)</p>
	<p>82: USE OF NON-INVASIVE SAMPLING TO STUDY RELATIVE PATTERNS OF DISTRIBUTION AND ABUNDANCE OF CANIDS AT MARINE CORPS BASE QUANTICO, VIRGINIA. Christine A. Bozarth, Larry L. Rockwood, Katherine Ralls &amp; Jesus E. Maldonado, Department of Environmental Science and Public Policy, George Mason University, Fairfax, Virginia, USA, (CAB,LLR), Conservation and Research Center, Smithsonian National Zoological Park, Washington, D.C., USA, (KR), Genetics Program, Smithsonian Institution NMNH/NZP, Washington, D.C., USA, (JEM)</p>
	<p>84: PRELIMINARY DESCRIPTIONS OF OSTEOCRANIAL AND ODONTOLOGICAL ASYMMETRY IN NARWHAL, <i>MONODON MONOCEROS</i>, AND THE HYPOTHESIZED RELATIONSHIP TO FUNCTIONAL ADAPTATION. Martin T. Nweeia, Ethan Madison Tyler, James Mead &amp; Charles Potter, Restorative Dentistry and Biomaterials Sciences, Harvard School of Dental Medicine, Boston, Massachusetts, USA, (MTN), Art As Applied to Medicine, Johns Hopkins Medical School, Baltimore, Maryland, (EMT), Marine Mammal Program, Smithsonian Institution, Washington D.C., (JM), Marine Mammal Program, Smithsonian Institution, Washington, D.C. (CP)</p>
	<p>85: COTTONTAIL RABBITS (LAGOMORPHA: LEPORIDAE: <i>SYLVILAGUS</i>) OF NORTH CAROLINA Wm. David Webster &amp; Lisa J. Gatens, Department of Biology and Marine Biology, University of North Carolina Wilmington, Wilmington, North Carolina, USA, (WDW), North Carolina Museum of Natural Sciences, Raleigh, North Carolina, USA, (LJG)</p>

## DETAILED PROGRAM

	<p>86: A NEW LIVE TRAP FOR POCKET GOPHERS Robert S. Sikes, Tommy G. Finley &amp; M. Susan DeVries, Biology, University of Arkansas at Little Rock, Little Rock, Arkansas, USA, (RSS,MSD), Applied Science, University of Arkansas at Little Rock, Little Rock, Arkansas, USA, (TGF)Jacob A. Esselstyn &amp; Robert M. Timm, Natural History Museum, University of Kansas, Lawrence, Kansas, USA, (JAE,RMT)</p>
	<p>87: EVALUATION OF AN AERIAL SURVEY TECHNIQUE FOR PYGMY RABBITS (<i>BRACHYLAGUS IDAHOENSIS</i>) Janet L. Rachlow &amp; James H. Witham, Department of Fish and Wildlife Resources, University of Idaho, Moscow, Idaho, USA, (JLR,JHW)</p>
	<p>88: CAN GPS COLLARS BE TRUSTED? EVALUATION OF LOCATION ERROR AND A METHOD FOR OUTLIER IDENTIFICATION Jeffrey T. Villepique, Vernon C. Bleich, Randall A. Botta, Becky M. Pierce, Thomas R. Stephenson &amp; R. Terry Bowyer, Department of Biological Sciences, Idaho State University, Pocatello, ID, USA, (JTV,RTB), Sierra Nevada Bighorn Sheep Recovery Program, California Department of Fish and Game, Bishop, CA, USA, (VCB,BMP,TRS), California Department of Fish and Game, San Diego, CA, USA, (RAB)</p>
	<p>89: RELATIONSHIPS OF AN ENIGMATIC POPULATION OF SHORT-TAILED SHREWS, GENUS BLARINA (SORICOMORPHA: SORICIDAE) Jacob A. Esselstyn &amp; Robert M. Timm, Natural History Museum, University of Kansas, Lawrence, Kansas, USA, (JAE,RMT)</p>
	<p>90: PHYLOGEOGRAPHY AND DEMOGRAPHIC HISTORY OF GRAY FOXES (<i>UROCYON CINEREOARGENTEUS</i>) FROM EASTERN NORTH AMERICA Stacey L. Lance, David J. Civitello, Julie L. Weston, Christine Bozarth &amp; Jesus E. Maldonado, Department of Biology, Colby College, Waterville, Maine, USA, (SLL,DJC), Peromyscus Stock Center, Dept. of Biological Sciences, University of South Carolina, Columbia, South Carolina, USA, (JLW), Department of Environmental Science and Policy, George Mason University, Fairfax, Virginia, USA, (CB), Genetics Program, NZP/NMNH, Smithsonian Institution, Washington, District of Columbia, USA, (JEM)</p>
	<p>91: DENSITY AND SPATIAL DISTRIBUTION OF BLACK BEARS IN SOUTHEASTERN OKLAHOMA USING HAIR-SNARE SAMPLES Angela G. Brown, Lynne C. Gardner-Santana, Eric C. Hellgren, Ronald A. Van Den Bussche &amp; David M. Leslie, Jr., Oklahoma Cooperative Fish and Wildlife Research Unit, Oklahoma State University, Stillwater, Oklahoma, USA, (AGB,DML), Department of Zoology, Oklahoma State University, Stillwater, Oklahoma, USA, (LCG,RAV), Cooperative Wildlife Research Lab, Southern Illinois University, Carbondale, Illinois, USA, (ECH)</p>
	<p>92: INFLUENCES OF NEW HOME CONSTRUCTION AND LANDSCAPING ON A SITE CONTIGUOUS WITH WILD DEER (<i>ODOCOILEUS VIRGINIANUS</i>) HABITAT Andrew G. Joachim, Lake Placid, New York, USA, (AGJ)</p>
	<p>93: AN EFFECTIVE HUSBANDRY PROTOCOL FOR POCKET GOPHERS M. Susan DeVries, Robert S. Sikes &amp; Gary A. Heidt, Dept, Biology, University of Arkansas at Little Rock, Little Rock, Arkansas, (MSD,RSS,GAH)</p>
	<p>94: A 25-YEAR STUDY OF SMALL MAMMALS IN TALLGRASS PRAIRIE: TEMPORAL, SPATIAL, AND TOPOEDAPHIC VARIATION IN ABUNDANCE OF ELLIOT'S SHORT-TAILED SHREW Michael D. Gay, Glennis A. Kaufman &amp; Donald W. Kaufman, Division of Biology, Kansas State University, Manhattan, Kansas, (MDG,GAK,DWK)</p>
	<p>95: MORE EVIDENCE OF SUBTLE FEMALE REPRODUCTIVE STRATEGIES IN A SOLITARY SMALL MAMMAL, THE BANNER-TAILED KANGAROO RAT (<i>DIPODOMYS SPECTABILIS</i>) Mary C. Steinwald &amp; Peter M. Waser, Dept. Zoology, Miami University, Oxford, OH (MCS), Dept. Biological Sciences, Purdue University, West Lafayette, IN, (PMW)</p>
	<p>96: PHYLOGENY OF THE AELUROID CARNIVORA Jill A. Holliday, Biological Science, Florida State University, Tallahassee, Florida, (JAH)</p>

## DETAILED PROGRAM

Sun 5:45-7	<b>Student Mixer—101</b>		
Sun 7-9	<b>SYMPOSIUM—Auditorium</b> <b>The Northern Flying Squirrel: A Biological Portrait of a Forest Specialist in Post-European North America</b>		
Sun 7:00	Introduction Winston P. Smith, Forestry Sciences Laboratory, USDA Forest Service, Pacific Northwest Research Station, Juneau, Alaska, USA, (WPS)		
Sun 7:20	97: HOW TO MAKE A FLYING SQUIRREL: <i>GLAUCOMYS</i> ANATOMY IN PHYLOGENETIC PERSPECTIVE. Richard W. Thorington, Jr. & Erica M. Santana, Department of Vertebrate Zoology, Smithsonian Institution, Washington, DC, USA, (RWT,EMS)		
Sun 7:40	98: EVOLUTIONARY AND BIOGEOGRAPHIC HISTORY OF THE NEW WORLD FLYING SQUIRRELS ( <i>GLAUCOMYS</i> ) Brian S. Arbogast, Department of Biological Sciences, Humboldt State University, Arcata, CA, (BSA)		
Sun 8:00	99: KINEMATICS AND FUNCTIONAL MORPHOLOGY OF LEAPING, LANDING, AND BRANCH USE IN <i>GLAUCOMYS SABRINUS</i> . John S. Scheibe, Department of Biology, Southeast Missouri State University, Cape Girardeau, Missouri, USA, (JSS)		
Sun 8:20	100: ECOLOGY OF <i>GLAUCOMYS SABRINUS</i> : HABITAT, DEMOGRAPHY, AND COMMUNITY RELATIONS Winston P. Smith, Forestry Sciences Laboratory, USDA Forest Service, Pacific Northwest Research Station, Juneau, Alaska, USA, (WPS)		
Sun 8:40	101: CONSERVATION OF THE NORTHERN FLYING SQUIRREL, <i>GLAUCOMYS SABRINUS</i> : HOW CAN SUCH A LITTLE SQUIRREL CAUSE SUCH HUGE PROBLEMS? Peter Weigl, Department of Biology, Wake Forest University, Winston-Salem, NC, (PDW)		
Sun 9-11 PM	<b>Social: Hosted by the University of Massachusetts Amherst Natural History Collections, in Memory of David J. Klingener--Pratt Museum, Amherst College</b>		
	<b>Technical Session 7—Auditorium Conservation</b>	<b>Technical Session 8—163C Biogeography</b>	<b>Technical Session 9—101 Physiology</b>
Mon 8:00	102: NON-NATIVE PREDATORS IMPLICATED IN DECLINES OF OLYMPIC MARMOTS ( <i>MARMOTA OLYMPUS</i> ) Suzanne C. Griffin, Julia Witczuk, Mark L. Taper & L. Scott Mills, Wildlife Biology Program, University of Montana, Missoula, Montana, USA, (SCG,JW,LSM), Department of Ecology, Montana State University, Bozeman, Montana, USA, (MLT)	108: STRUCTURE OF BAT ASSEMBLAGES IN TROPICAL LOWLANDS ON THE WESTERN VERSANT OF THE ECUADORIAN ANDES Juan P. Carrera, Sergio Solari, Hugh H. Genoways, Hugo Mantilla-Meluk & Robert J. Baker, Museum of Texas Tech University - NSRL, Texas Tech University, Lubbock, Texas, USA, (JPC), Department of Biology, Texas Tech University, Lubbock, Texas, USA, (SS,RJB), University of Nebraska State	114: EFFECTS OF ETHANOL ADMINISTRATION ON COMPENSATORY TESTICULAR HYPERTROPHY AND ON PINEAL MELATONIN CONTENT IN THE MARSH RICE RAT ( <i>ORYZOMYS PALUSTRIS</i> ) Kent Edmonds & Anna E. Kast, Department of Biology, Indiana University Southeast, New Albany, Indiana, USA, (KE,AEK)

## DETAILED PROGRAM

		Museum, University of Nebraska , Lincoln, Nebraska, USA, (HHG), Department of Biology, Texas Tech University, Lubbock, Texas, USA , (HMM)	
Mon 8:15	103: HAS THE MANATEE ( <i>TRICHECHUS MANATUS</i> ) DISAPPEARED FROM THE NORTHERN COASTS OF THE STATE OF VERACRUZ, MEXICO? Arturo Serrano, Alexander García-Jiménez & Carlos González-Gándara, Laboratorio de Mamíferos Marinos, Universidad Veracruzana, Tuxpan, Veracruz, Mexico, (AS,AGJ), Laboratorio de Arrecifes Coralinos, Universidad Veracruzana, Tuxpan, Veracruz, Mexico, (CGG)	109: THE INFLUENCE OF SCALE ON BODY SIZE AND FEEDING GUILD TURNOVER IN NORTH AMERICAN MAMMALS Judson E. Bruzgul & Elizabeth A. Hadly, Department of Biological Sciences, Stanford University, Stanford, CA, USA, (JEB,EAH)	115: THE EFFECTS OF RECENT CLIMATE CHANGE ON FACULTATIVE AND SPONTANEOUS HIBERNATION Craig L. Frank & Wendy R. Hood, Dept. of Biological Sciences, Fordham University/Louis Calder Center, Armonk, New York, USA, (CLF), Department of Biology, Coastal Carolina University, Conway, South Carolina, USA, (WRH)
Mon 8:30	104: GRIZZLY BEAR ABUNDANCE ESTIMATION WITH DNA MARK-RECAPTURE IN TAKU RIVER WATERSHED, BRITISH COLUMBIA Kim Heinemeyer & Paul C. Griffin, Round River Conservation Studies, (KH), Wildlife Biology Program, University of Montana, (PCG)	110: WHEN A BARRIER IS ONLY A FILTER: DYNAMICS OF A RED-BACKED VOLE ( <i>CLETHRIONOMYS</i> SP.) HYBRID ZONE IN NORTHWEST TERRITORIES Amy M. Runck, Marjorie D. Matocq & Joseph A. Cook, Department of Biological Sciences, Idaho State University, Pocatello, Idaho, USA, (AMR,MDM), Museum of Southwestern Biology, University of New Mexico, Albuquerque, New Mexico, USA, (JAC)	116: SEASONAL CHANGES IN THERMAL CONDUCTANCE OF FUR IN SMALL MAMMAL Justin G. Boyles, Daniel J. Judy, Dale W. Sparks & George S. Bakken, Department of Ecology and Organismal Biology, Indiana State University, Terre Haute, Indiana, USA, (JGB,DJJ,DWS,GSB)
Mon 8:45	105: SHIFTS IN BAT COMMUNITY STRUCTURE ACROSS A GRADIENT OF AGRICULTURALLY INDUCED FOREST FRAGMENTATION Joseph E. Duchamp & Robert K. Swihart, Forestry and Natural Resources, Purdue University, West Lafayette, IN, USA, (JED,RKS)	111: PHYLOGEOGRAPHY OF <i>XEROSPERMOPHILUS</i> Kayce C. Bell, Philip Leitner & Marjorie D. Matocq, Department of Biological Sciences, Idaho State University, Pocatello, Idaho, USA, (KCB,MDM), Endangered Species Recovery Program, California State University, Stanislaus, Fresno, California, USA, (PL)	117: EFFECT OF LACTATION STAGE ON MILK COMPOSITION OF PRAIRIE VOLES, <i>MICROTUS OCHROGASTER</i> Mary Beth Voltura & Olav T. Oftedal, Department of Biological Sciences, State University of New York College at Cortland, Cortland, New York, USA, (MBV), Department of Conservation Biology, Smithsonian National Zoological Park, Washington, D.C., (OTO)
Mon 9:00	106: ECOLOGY OF SMALL MAMMALS IN THE NEW JERSEY PINELANDS WITH SPECIAL REFERENCE TO <i>SYNAPTOMYS COOPERI</i> AND <i>ZAPUS HUDSONIUS</i>	112: DIVERGENCE, DISPERSAL, AND DNA: INFERRING DIVERGENCE TIMES AND COLONIZATION ROUTES IN THE PHILIPPINE FRUIT BATS <i>CYNOPTERUS</i>	118: INFLUENCE OF INTERNAL PARASITES ( <i>BAYLISASCARIS COLUMNARIS</i> ) AND FOOD MANIPULATION ON INTERNAL BODY

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	Alicia N. Buchanan, Walter F. Bien, Robert K. Rose & James R. Spotila, Department of Bioscience & Biotechnology, Drexel University, Philadelphia, PA, (ANB,WFB,JRS), Department of Biological Sciences, Old Dominion University, Norfolk, VA, (RKR)	<i>BRACHYOTIS</i> AND <i>MACROGLOSSUS MINIMUS</i> Trina E. Roberts, University of Alaska Museum, Fairbanks, Alaska, USA, (TER)	FAT STORES OF CAPTIVE STRIPED SKUNKS ( <i>MEPHITIS MEPHITIS</i> ). Travis W. Quirk, Serge Lariviere & Douglas P. Chivers, Department of Biology, University of Saskatchewan, Saskatoon, SK, Canada, (TWQ), Cree Hunters and Trappers Income Security Board, Saint Foy, Quebec, Canada, (SL), Department of Biology, Uni, Saskatoon, SK, Canada, (DPC)
Mon 9:15	107: TAXONOMIC AND DISTRIBUTIONAL STATUS OF THE ENIGMATIC GLACIER BAY WATER SHREW ( <i>SOEX ALASKANUS</i> ) Kyndall Hildebrandt & Link E. Olson, Department of Biology and Wildlife, University of Alaska Fairbanks, Fairbanks, Alaska, USA, (KH), University of Alaska Museum, Fairbanks, Alaska, USA, (LO,KH)	113: PHYLOGEOGRAPHY AND CONSERVATION GENETICS OF KANGAROO MICE, GENUS <i>MICRODIPODOPS</i> Emily Reddington & John C. Hafner, Moore Laboratory of Zoology and Department of Biology, Occidental College, Los Angeles, California, USA, (ER,JCH)	119: WINTER ENERGETICS OF THE ENDANGERED INDIANA BAT Christin M. Dzurick & Tom E. Tomasi, Department of Biology, Missouri State University, Springfield, MO, (CMD,TET)
Mon 9:30	<b>Refreshment Break</b> —165-69, 162-75		
Mon 10:00	<b>Members Meeting I</b> —Auditorium		
Mon 12:00	<b>Lunch</b> —Hatch/Tent		
	<b>Technical Session 10</b> —Auditorium <b>Population Ecology</b>	<b>Technical Session 11</b> —163C <b>Community Ecology</b>	<b>Technical Session 12</b> —101 <b>Behavior</b>
Mon 1:30	120: USING CLASSIFICATION AND REGRESSION TREES TO DESCRIBE THE MOVEMENT ABILITY OF WHITE-FOOTED MICE Carol E. Rizkalla & Robert K. Swihart, Department of Forestry and Natural Resources, Purdue University, West Lafayette, Indiana, USA, (CER,RKS)	127: DIVERSITY AND DISTRIBUTION OF PARAGUAYAN DIDELPHIDAE (DIDELPHIMORPHIA) Noe de la Sancha, Department of Biological Sciences, Texas Tech University, Lubbock, TX, USA, (NDLS)	134: THE SOCIAL ORGANIZATION OF A SPECIES OF SINGING MOUSE, <i>SCOTINOMYS XERAMPELINUS</i> Dimitri V. Blondel, Jorge Pino & Steven M. Phelps, Department of Zoology, University of Florida, Gainesville, Florida, USA, (DVB,SMP), Panama, (JP)
Mon 1:45	121: ROAD CROSSING AND HOMING IN WHITE-FOOTED MICE Stephen G. Mech & Adrian Chesh, Biology Department, Albright College, Reading,	128: OLD WINE IN NEW CASKS OR NEW WINE IN OLD CASKS? BROAD SCALE BIOGEOGRAPHIC PATTERNS IN SOUTHEAST ASIA.	135: COOPERATIVE BEHAVIOR IN TERRITORIAL DEFENSE Michael Harrie, Dept. of Biology, University of San Francisco, San Francisco, CA, USA, (MH)

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	Pennsylvania, USA, (SGM,AC)	Luis A. Ruedas & Juan Carlos Morales, Department of Biology, Portland State University, Portland, Oregon, USA, (LAR), Division of Environmental Biology, National Science Foundation, Arlington, Virginia, USA, (JCM)	
Mon 2:00	122: IS SEXUAL SEGREGATION LINKED TO ALARM RESPONSE? Katherine Richardson & Floyd W. Weckerly, Department of Biology, Texas State University - San Marcos, San Marcos, Texas, USA, (KER,FWW)	129: SOURCE-SINK DYNAMICS AT THE VIRGINIA OPOSSUM'S DISTRIBUTIONAL EDGE L. Leann Kanda, Todd K. Fuller & Paul R. Sievert, Department of Biology, Siena College, Loudonville, NY, (LLK), Natural Resources Conservation, University of Massachusetts Amherst, Amherst, MA, (TKF,PRS)	136: NORTHERN AND SOUTHERN FLYING SQUIRREL USE OF SPACE WITHIN HOME RANGES IN MANAGED FORESTS IN CENTRAL ONTARIO Gillian L. Holloway & Jay R. Malcolm, Faculty of Forestry, University of Toronto, Toronto, Ontario, Canada, (GLH,JRM)
Mon 2:15	123: ORGANOPHOSPHATE INSECTICIDE RESIDUES IN BATS AND GUANO FROM INDIANA Ronny R Eidels , John O. Whitaker Jr. & Daniel W. Sparks, Department of Ecology and Organismal Biology, Indiana State University, Terre Haute, Indiana, USA, (RE), Department of Ecology and Organismal Biology, Indiana State University, Terre Haute, Indiana, USA, (JOW), U.S. Fish and Wildlife Service, Bloomington, Indiana, USA, (DWS)	130: POPULATION GENETIC STRUCTURE OF ANTELOPE GROUND SQUIRRELS AT THE BOUNDARY BETWEEN HISTORICALLY ISOLATED MITOCHONDRIAL LINEAGES Joshua R. Whorley, Jim Kenagy & Sergio Ticul Alvarez-Castaneda, Burke Museum of Natural History, Univ Washington, Seattle, WA, (JRW, GJK), Centro de Investigaciones Biologicas del Noroeste, La Paz, BCS, Mexico, (STAC)	137: LOVE AND SEX IN PRAIRIE VOLES Nancy G. Solomon, Kristen E. Lucia, Ashley R. Richmond & Brian Keane, Department of Zoology, Miami University, Oxford, Ohio, USA, (NGS,KEL,ARR,BK)
Mon 2:30	124: CONSTANT PROPORTIONALITY IN THE FEMALE SEGMENT OF A ROOSEVELT ELK POPULATION Floyd W. Weckerly, Department of Biology, Texas State University - San Marcos, San Marcos, Texas, USA, (FWW)	131: EVOLUTION OF EXTERNAL CHARACTERS IN TAIL-LESS BATS OF THE GENUS ANOURA (CHIROPTERA: PHILLOSTOMIDAE), THE RECOGNITION OF NEW TAXA AND SOME TAXONOMIC COMMENTS. Hugo Mantilla-Meluk & Robert J. Baker, Biology, Texas Tech University, Lubbock, Texas, USA, (HMM,RJB)	138: EATING ON THE RUN? FOOD RESOURCES, SPACE USE AND SOCIALITY IN CURUROS <i>SPALACOPUS</i> <i>CYANUS</i> Eileen A. Lacey, Luis A. Ebensperger & John R. Wieczorek, Museum of Vertebrate Zoology, University of California, Berkeley, CA, USA, (EAL,JRW), Centro de Estudios Avanzados en Ecologia & Biodiversidad, P. Universidad Catolica de Chile, Santiago, Chile, (LAE)
Mon 2:45	125: MECHANISTIC HOME RANGE MODELS CAPTURE SPATIAL PATTERNS	132: AVIAN INFLUENZA AS THE CAUSE OF LATE PLEISTOCENE MAMMALIAN	139: BEAVER HOME RANGES IN CENTRAL ILLINOIS: METHODS AND

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	<p>AND DYNAMICS OF COYOTE TERRITORIES IN YELLOWSTONE NATIONAL PARK Paul R. Moorcroft, Mark A. Lewis &amp; Robert L. Crabtree, Organismic and Evolutionary Biology Dept., Harvard University, Cambridge, MA, (PRM), Dept. Mathematics, Univ. Alberta, Edmonton, AB, (MAL), Yellowstone Ecosystem Research Center, Bozeman, MT, (RLC)</p>	<p>MEGAFAUINAL EXTINCTIONS IN THE AMERICAS J. Alden Lackey, B. Diane Chepko-Sade &amp; Scott R. Preston, Biological Sciences, State University of New York, Oswego, NY, (JAL), Biological Sciences, State University of New York, Oswego, NY, (BDC), Mathematics, State University of New York, Oswego, NY, (SRP)</p>	<p>METRICS Randall P. Havens &amp; Thomas A. Nelson, Biological Sciences, Eastern Illinois University, Charleston, Illinois, (RPH), Biological Sciences, Eastern Illinois University, Charleston, Illinois, USA, (TAN)</p>
<p>Mon 3:00</p>	<p>126: ECOLOGY OF COMMENSAL BATS IN RELATION TO RABIES TRANSMISSION: SUMMARY OF THE FORT COLLINS STUDY, 2001-2005 Thomas J. O'Shea, Richard A. Bowen, Laura E. Ellison, Matthew L. Farnsworth &amp; Charles E. Rupprecht, Fort Collins Science Center, U.S. Geological Survey, Fort Collins, Colorado, (TJO,LEE), Department of Biomedical Sciences, Colorado State University, Fort Collins, Colorado, (RAB,MLF), Laboratory of Viral and Rickettsial Diseases, Centers for Disease Control and Prevention, Atlanta, Georgia, (CER)</p>	<p>133: THE DISTRIBUTION AND GENETIC VARIATION OF ALASKA'S ENDEMIC MARMOT, <i>MARMOTA BROWERI</i>. Aren M. Gunderson &amp; Link E. Olson, Dept. of Biology &amp; Wildlife &amp; University of Alaska Museum, University of Alaska Fairbanks, Fairbanks, Alaska, USA, (AMG), University of Alaska Museum, University of Alaska Fairbanks, Fairbanks, Alaska, USA, (LEO)</p>	<p>140: FOOD CACHING BEHAVIOR OF THE NORTH AMERICAN BEAVER IN MASSACHUSETTS Peter E. Busher, Division of Natural Science, Boston University, Boston, (PEB)</p>
<p>Mon 3:15</p>	<p><b>Refreshment Break—165-69, 162-75</b></p>		
	<p><b>Technical Session 13—Auditorium Systematics</b></p>	<p><b>Technical Session 14—163C Biogeography</b></p>	<p><b>Technical Session 15—101 Genetics</b></p>
<p>Mon 3:45</p>	<p>141: COMPLEX PLEISTOCENE HISTORY OF RED SQUIRRELS (SCIURIDAE: <i>TAMIASCIURUS</i>) Brian Barber, Bell Museum of Natural History, University of Minnesota, Saint Paul, Minnesota, (BB)</p>	<p>148: MODELING THE EFFECTS OF POPULATION CYCLING AND TIME-AVERAGING ON RELATIVE ABUNDANCE IN HOLOCENE SMALL MAMMAL DEPOSITS Rebecca C. Terry, Department of the Geophysical Sciences, University of Chicago, Chicago, IL, USA, (RCT)</p>	<p>155: CONTRASTING PATTERNS OF MITOCHONDRIAL AND NUCLEAR GENETIC STRUCTURE AMONG RESTORED POPULATIONS OF WHITE-TAILED DEER (<i>ODOCOILEUS VIRGINIANUS</i>) Jason A. Sumners, Alejandro P. Rooney, Stephen Demarais, Randy W. DeYoung, Rodney L. Honeycutt, Robert A. Gonzales &amp; Kenneth L. Gee, Department of Wildlife and Fisheries Science, Texas A&amp;M University,</p>

## DETAILED PROGRAM

			College Station, Texas, USA, (JAS,RLH), National Center for Agriculture Utilization Research, USDA, Peoria, Illinois, USA, (APR), Department of Wildlife and Fisheries, Mississippi State University, Mississippi State, Mississippi, USA, (SD), Caesar Kleberg Wildlife Research Institute, Texas A&M University - Kingsville, Kingsville, Texas, USA, (RWD), Samuel Roberts Noble Foundation, Ardmore, Oklahoma, (RAG,KLG)
Mon 4:00	142: THE PLACEMENT OF ISTHOMOMYS IN THE NEOTOMINAE: A MOLECULAR PHYLOGENETIC HYPOTHESIS Jacqueline R. Miller & Mark D. Engstrom, Department of Natural History and Department of Zoology, Royal Ontario Museum and The University of Toronto, Toronto, ON, Canada, (JRM,MDE)	149: MACROECOLOGICAL PATTERNS IN NEOTROPICAL BAT COMMUNITY STRUCTURE Christine L. Hice, Paul M. Velazco & Michael W. Palmer, Department of Biology, Univ. New Mexico, Albuquerque, NM, (CLH), Department of Biological Sciences, Univ. Illinois, Chicago, IL, (PMV), Department of Botany, Oklahoma State University, Stillwater, OK, (MWP)	156: PHYLOGEOGRAPHY OF THE LONG-TAILED WEASEL, <i>MUSTELA FRENATA</i> Larisa E. Harding, Department of Biology, University of New Mexico, Albuquerque, New Mexico, USA, (LEH)
Mon 4:15	143: <i>LAONASTES</i> AN EXTANT DIATOMYIID RODENT AND THE MOLECULAR AFFINITIES OF THE DIATOMYIDAE C. William Kilpatrick & Ryan W. Norris, Department of Biology, University of Vermont, Burlington, Vermont, USA, (CWK,RWN)	150: QUANTITATIVE HABITAT CHARACTERISTICS OF RODENTS IN THE EASTERN MOJAVE DESERT UNDERLY SPATIAL VARIATION IN COMMUNITY STRUCTURE Richard D. Stevens & J. Sebastian Tello, Department of Biological Sciences, Louisiana State University, Baton Rouge, Louisiana, (RDS,JST)	157: <i>PEROMYSCUS</i> GENETIC LINKAGE COMPARISONS WITH <i>RATTUS</i> AND <i>MUS</i> Julie L. Weston, Clifton M. Ramsdell, Adrienne Lewandowski, Travis C. Glenn & Michael J. Dewey, Peromyscus Genetic Stock Center, University of South Carolina, Columbia, SC, USA, (JLW,CMR,AL,MJD), Savannah River Ecology Laboratory, Drawer E, Aiken, SC, (TCG)
Mon 4:30	144: PHYLOGEOGRAPHY OF THE MEXICAN VOLE, <i>MICROTUS MEXICANUS</i> . Dolly L. Crawford, Department of Biology, University of New Mexico, Albuquerque, NM, (DLC)	151: SEASONAL VARIATION OF CARBON AND NITROGEN ISOTOPES IN A SONORAN DESERT RODENT COMMUNITY Teri J. Orr & Blair O. Wolf, Department of Biology, University of New Mexico, Albuquerque, New Mexico, USA, (TJO,BOW)	158: A GENETIC ANALYSIS OF BOBCATS <i>LYNX RUFUS</i> IN THE MIDWEST Emily K. Croteau, Edward J. Heist & Clayton K. Nielsen, Department of Zoology, Southern Illinois University, Carbondale, Illinois, USA, (EKC,EJH,CKN)
Mon 4:45	145: MOLECULAR SYSTEMATICS OF THE <i>GALEA MUSTELOIDES</i> GROUP:	152: COMPETITION LIMITS THE SOUTHERN DISTRIBUTION OF BOBCATS	159: STAYING CLOSE TO HOME: GENETIC STRUCTURE, RELATEDNESS,



## DETAILED PROGRAM

	<p>INFERENCES FROM CYTOCHROME B SEQUENCE DATA. Jon L. Dunnun &amp; Jorge Salazar-Bravo, Department of Biological Sciences, Texas Tech University, Lubbock, TX, USA, (JLD,JSB)</p>	<p>Víctor Sánchez-Cordero, Sahotra Sarkar, David Stockwell &amp; Howei Liu, Departamento de Zoología, Instituto de Biología, UNAM, Mexico City, (VSC), Section of Integrative Biology, University of Texas at Austin., Austin, Texas, USA, (SS), San Diego Super Computer Center, University of California , 9500 Gilman Drive, La Jolla, CA 92093, USA., (DS), San Diego Super Computer Center., University of California , 9500 Gilman Drive, La Jolla, CA 92093, USA., (HL)</p>	<p>AND SPATIAL AUTOCORRELATION AMONG DIFFERENT DENSITIES OF THE BANNER-TAILED KANGAROO RAT (<i>DIPODOMYS SPECTABILIS</i>) Verity L. Mathis, Jesus E. Maldonado &amp; Gary W. Roemer, Department of Fishery and Wildlife Sciences, New Mexico State University, Las Cruces, New Mexico, USA, (VLM,GWR), Genetics Program, National Zoological Park, Washington, D.C., USA, (JEM)</p>
<p>Mon 5:00</p>	<p>146: EVOLUTIONARY RELATIONSHIPS OF CYNOPTERINE BATS Francisca C Almeida, Norberto P. Giannini, Rob DeSalle &amp; Nancy Simmons, Invertebrate Zoology, American Museum of Natural History, New York, NY, USA, (FCA,RD), Vertebrate Zoology, American Museum of Natural History, New York, NY, USA, (NPG,NS)</p>	<p>153: COEXISTENCE AND ECOMORPHOLOGY OF NEOTROPICAL BAT FLIES Carl W. Dick, Department of Zoology, Field Museum of Natural History, Chicago, Illinois, USA, (CWD)</p>	<p>160: DETECTING AND AVOIDING MITOCHONDRIAL DNA TRANSLOCATIONS IN MAMMALIAN MOLECULAR STUDIES Deborah A. Triant &amp; J. Andrew DeWoody, Department of Forestry &amp; Natural Resources, Purdue University, West Lafayette, Indiana, (DAT), Forestry &amp; Natural Resources, Purdue University, West Lafayette, IN 47907, (JAD)</p>
<p>Mon 5:15</p>	<p>147: PHYLOGENETIC POSITION OF <i>SIGMODONTOMYS APHRASTUS</i> (CRICETIDAE: SIGMODONTINAE), AN ENIGMATIC RAT FROM TRANSANDEAN FORESTS Marcelo Weksler, Christy M. McCain &amp; Robert M. Timm, University of Alaska Museum and Institute of Arctic Biology, UAF, Fairbanks, AK 99775, (MW), National Center for Ecological Analysis and Synthesis, UCSB, Santa Barbara, CA 93101, (CMM), Natural History Museum and Department of Ecology &amp; Evolution, University of Kansas, Lawrence, KS 66045, (RMT)</p>	<p>154: DISTRIBUTION AND ABUNDANCE OF SHORT-TAILED SHREWS (<i>BLARINA BREVICAUDA</i>) AND MASKED SHREWS (<i>SOREX CINEREUS</i>) RELATIVE TO HABITAT IN A SURVEY OF SMALL MAMMAL DIVERSITY IN OHIO Joy K. Pietkiewicz, Travis L. Brown, Matthew J. Carney, Robert J. Gates, David J. Lowell &amp; John D. Harder, Department of Evolution, Ecology, and Organismal Biology, The Ohio State University, Columbus, Ohio, USA, (JKP,TLB,MJC,DJL,JDH), School of Natural Resources, The Ohio State University, Columbus, Ohio, U SA, (RJG)</p>	<p>161: TESTING A BOTTLENECK DETECTION METHOD: EMPIRICAL EVALUATION OF THE M-RATIO USING BANNER-TAILED KANGAROO RATS Joseph D. Busch, Cory R. McCormick, Peter M. Waser &amp; J. Andrew DeWoody, Department of Forestry &amp; Natural Resources, Purdue University, W. Lafayette, Indiana, USA, (JDB,CRM,JAD), Department of Biology, Purdue University, W. Lafayette, Indiana, USA, (PMW)</p>
<p>Mon 6-9 PM</p>	<p><b>Picnic</b>—Hadley Young Men’s Center</p>		

## DETAILED PROGRAM

Tue 8-10 AM	Poster Session 2—1 <sup>st</sup> Floor Concourse
	162: EFFECTS OF IMMUNOCONTRACEPTION ON BEHAVIOR IN FALLOW DEER ( <i>DAMA DAMA</i> ) Sarah E. Darhower & Christine R. Maher, Department of Biological Sciences, University of Southern Maine, Portland, Maine, USA, (SED,CRM)
	163: GROUP MOVEMENTS OF WHITE-BEAKED DOLPHINS ( <i>LAGENORHYNCHUS ALBIROSTRIS</i> ) NEAR HALIFAX, CANADA. Peter Simard & Shannon Gowans, Blind Bay Cetacean Studies, Dartmouth, Nova Scotia, Canada, (PS), Eckerd College, St. Petersburg, Florida, (SG)
	164: MALE-MALE COMPETITION AND ACCESS TO FEMALES IN THE MALAYAN FLYING FOX ( <i>PTEROPUS VAMPYRUS</i> ) DeeAnn M. Reeder, Cassandra J. Ostroski, Heather L. Rogers, Thomas P. Kunz & Eric P. Widmaier, Biology, Bucknell University, Lewisburg, PA, USA, (DMR,CJO,HLR), Biology, Boston University, Boston, MA, USA, (TPK,EPW)
	165: EFFECTS OF HERBIVORY BY A TREE SQUIRREL ON SEED SIZE, QUALITY, DISPERSAL AND ESTABLISHMENT: ARE TREE SQUIRRELS AGRO-FARMING? Megan Feusner, Tyler Steele, Mylinh Nguyen, Elizabeth Miller, Amy McEuen & Michael Steele, Biology, Wilkes University, Wilkes-Barre, PA, USA, (MF,TS,MN,EM,MS), Biology, University of Illinois, Springfield, Springfield, Illinois, USA, (AM)
	166: LONG-DISTANCE DISPERSAL AND POPULATION TRENDS OF MOOSE IN THE CENTRAL UNITED STATES Justin D. Hoffman, Hugh H. Genoways & Jerry R. Choate, School of Natural Resources, University of Nebraska-Lincoln, Lincoln, Nebraska, USA, (JDH), University of Nebraska State Museum, University of Nebraska-Lincoln, Lincoln, Nebraska, USA, (HHG), Sternberg Museum of Natural History, Fort Hays State University, Hays, Kansas, USA, (JRC)
	167: MODELING THE GEOGRAPHIC DISTRIBUTION OF THE SHREW <i>CRYPTOTIS MERIDENSIS</i> IN VENEZUELA: ROBUSTNESS TO SMALL SAMPLE SIZES AND SAMPLING BIAS Israel Gonzalez & Robert P. Anderson, Dept. of Biology, City College of the City Univ. of New York, New York, NY, USA, (IG,RPA)
	168: PHYLOGEOGRAPHY OF WHALE LICE (CYAMIDAE) LIVING ON GRAY WHALE ISLANDS Christopher M. Callahan & Brian S. Arbogast, Vertebrate Museum, Dept. Biological Sciences, Humboldt State University, Arcata, CA, (CMC,BSA)
	169: ECOLOGICALLY VARIABILITY OF SUBSPECIES WITHIN THE GENUS <i>NEOTOMA</i> Sean P. Maher, Department of Ecology and Evolutionary Biology & Natural His, University of Kansas, Lawrence, KS, (SPM)
	170: INTERRELATIONSHIPS IN THE TOWNSEND'S CHIPMUNK GROUP: ANALYSIS OF THE MITOCHONDRIAL CONTROL REGION Karen Reiss, Department of Biology, College of the Redwoods/ Humboldt State University, Eureka/ Arcata, CA, (KZR)
	171: EFFECTS OF URBANIZATION AND HABITAT FRAGMENTATION ON RODENT AND CARNIVORE COMMUNITIES IN COASTAL SAGE SCRUB COMMUNITIES Dana J. Morin & Jay E. Diffendorfer, Department of Biology, San Diego State University, San Diego, CA, (DJM), Illinois Natural History Survey, Champaign, IL, (JED)
	172: "COLLPAS": ACTIVITY HOTSPOTS OF FRUGIVOROUS BATS (PHYLLOSTOMIDAE) IN THE PERUVIAN AMAZON Adriana Bravo & Kyle E. Harms, Department of Biological Sciences, Louisiana State University, Baton Rouge, Louisiana, USA, (AB,KEH)
	173: THE EFFECTS OF WHITE-TAILED DEER <i>ODOCOILEUS VIRGINIANUS</i> EXCLUSION ON A SMALL MAMMAL COMMUNITY: A TEN YEAR STUDY David H. Byman, Department of Biology, Penn State Worthington Scranton, Dunmore, Pennsylvania, USA, (DHB)
	174: MICROHABITAT USE BY DEER MICE IN RESPONSE TO FLUCTUATIONS IN PINYON MOUSE ABUNDANCE Jeffrey B. Doty, Charles H. Calisher, J. Jeffrey Root & Barry J. Beaty, Department of Microbiology, Immunology and Pathology, Colorado State University, Fort Collins, Colorado, USA, (JBD,CHC,BJB), National Wildlife Research Center, Fort Collins, Colorado, USA, (JJR)

## DETAILED PROGRAM

	<p>175: A 25-YEAR STUDY OF SMALL MAMMALS IN TALLGRASS PRAIRIE: INSIGHTS FROM LONG-TERM POPULATION AND COMMUNITY DATA  Donald W. Kaufman, Glennis A. Kaufman &amp; Dawn M. Kaufman, Division of Biology, Kansas State University, Manhattan, Kansas, USA, (DWK,GAK,DMK)</p>
	<p>176: A LONG TERM ECOLOGICAL STUDY OF TERRESTRIAL VERTEBRATES IN CENTRAL PENNSYLVANIA: THE METHODOLOGY  Carlos Alberto Iudica &amp; Amanda F. Janicki, Department of Biology, Susquehanna University, Selinsgrove, Pennsylvania, USA, (CAI,AFJ)</p>
	<p>177: A RAPID SURVEY OF SMALL MAMMALS IN BAKO NATIONAL PARK, SARAWAK, BORNEO, MALAYSIA  Faisal Ali Anwarali Khan, Izwan Asraf Md Zin, Mohd Azlan Yakub, Hairi Hedeir, Akidah Baharuddin, Siti Hasmah Taha, Mohd Ridwan Abdul Rahman@Tahir, Siti Fairuz, Wong Siew Fui, Besar Ketol, Wahap Marni, Jayaraj Vijayakumaran, Charlie J Laman &amp; Mohammad Tajuddin Abdullah, Department of Biological Sciences, Texas Tech University, Lubbock, Texas, USA, (KHAN), Faculty of Resource Science and Technology, Universiti Malaysia Sarawak, Sarawak, Borneo, Malaysia, (WAN,LAN,HAIRI,AKI,SITIRID,RUZ,WONG,BSR,WHP,JAYA,CJL,TAJ)</p>
	<p>178: EFFECTS OF TREE-OF-HEAVEN TOXINS ON RODENT HERBIVORY  Joseph J. Jacquot, Joe Haydon, Gary Greer &amp; Preston Aldrich III, Biology Dept., Grand Valley State University, Allendale, MI, (JJJ,JH,GG), Biology Dept., Benedictine University, Lisle, IL, (PA)</p>
	<p>179: EFFECTS OF HUMAN ACTIVITIES ON RESIDENT MAMMALS WITHIN URBAN ECOSYSTEMS  Anita T. Morzillo &amp; Anne Fairbrother, US EPA, NHEERL, Western Ecology Division, Corvallis, Oregon, USA, (ATM,AF)</p>
	<p>180: BODY SIZE VARIATION OF MAMMALS IN A FRAGMENTED, TEMPERATE RAINFOREST LANDSCAPE  Mark V. Lomolino &amp; David R. Perault, Environmental and Forest Biology, SUNY-ESF, Syracuse, NY, USA, (MVL), Environmental Science Program, Lynchburg College, Lynchburg, VA, USA, (DRP)</p>
	<p>181: THE DISTRIBUTION AND STATUS OF THE SOUTHERN BOG LEMMING, <i>SYNAPTOMYS COOPERI HELALETES</i>, IN SOUTHEASTERN VIRGINIA  Robert K. Rose, Dept of Biological Sciences, Old Dominion University, Norfolk, Virginia 23529, (RKR)</p>
	<p>182: OBTAINING FECAL SAMPLES UNDER INDIANA BAT ROOSTS: A WORD OF CAUTION  Daniel J. Judy, Dale W. Sparks &amp; John O. Whitaker, Jr., Department of Ecology and Organismal Biology, Indiana State University, Terre Haute, Indiana, USA, (DJJ,DWS,JOW)</p>
	<p>183: INFLUENCE OF UNDER-ROAD PASSAGEWAYS AND LANDSCAPE CONTEXT ON MAMMALIAN ROAD CROSSING PATTERNS ALONG A MAJOR HIGHWAY  Scott D. LaPoint &amp; Mark V. Lomolino, Department of Environmental and Forest Biology, SUNY College of Environmental Science and Forestry, Syracuse, New York, USA, (SDL), Department of Environmental and Forest Biology, SUNY College of Environmental Science and Forestry, Syracuse, New York, USA, (MVL)</p>
	<p>184: PRELIMINARY DATA ON MAMMALIAN ABUNDANCE AND DIVERSITY IN FRAGMENTS IN EASTERN AMAZONIA  Anita I. Stone, Eldianne M. Lima, G.F.S. Aguiar, Carolina C. de Camargo, Tamara A. Flores, Douglas A. Kelt, Suelly A. Marques-Aguiar, Joao A. Queiroz, Rossano M. Ramos &amp; Jose de Sousa e Silva-Junior, Department of Psychology, University of California, Davis, Davis, CA, USA, (AIS), Setor de Mastozoologia, Museu Paraense Emilio Goeldi, Belem, PA, Brazil, (EML,GFSA,CCC,TAF,SAMA,JAQ,JSSJ), Department of Wildlife, Fish and Conservation Biology, University of California, Davis, Davis, CA, USA, (DAK), UNICAMP, Campinas, SP, Brazil, (RMR)</p>
	<p>185: WHY DID THE BAT CROSS THE ROAD?  Liliana Davalos, American Museum of Natural History, New York, NY, (LD)</p>

## DETAILED PROGRAM

	186: MANAGING RODENT ZONOSSES IN AN URBAN INFORMAL SETTLEMENT IN DURBAN, SOUTH AFRICA Peter J. Taylor, Lorraine Arntzen, Mel Hayter, Malcolm Iles, John Freaan & Steve Belmain, Durban Natural Science Museum, eThekweni Libraries & Heritage Department, Durban, South Africa, (PJT), National Health Laboratory Service, National Institute for Communicable Diseases, Johannesburg, South Africa, (LA,JF), City Health: Communicable Diseases, eThekweni Municipality, Durban, South Africa, (MH), Natural Resources Institute, Chatham Maritime, Kent, United Kingdom, (MI,SB)
	187: RESPONSES OF SMALL FOREST-FLOOR MAMMALS TO INVASION BY JAPANESE STILT GRASS ( <i>MICROSTEGIUM VIMINEUM</i> ) IN COLONIAL NATIONAL HISTORICAL PARK, VIRGINIA Heather P. Warchalowski & Ronald E. Barry, Department of Biology, Frostburg State University, Frostburg, Maryland, USA, (HPW,REB)
	188: THE EFFECTS OF HABITAT SHAPE ON HOME RANGE SIZE OF ORD'S KANGAROO RAT ( <i>DIPLODOMYS ORDII</i> ) Beth E. Ross & Bruce A. Wunder, Department of Biology, Colorado State University, Fort Collins, Colorado, USA, (BER,BAW)
	189: ASSESSING THE HEALTH OF FLORIDA PANTHERS FROM STABLE ISOTOPE GEOCHEMISTRY AND OTHER MEANS Laurie Wilkins, Julie Allen & Shelly Flanagan, Dept. of Natural History, Florida Museum of Natural History, Gainesville, Florida, USA, (LS), Det. of Zoology, University of Florida, Gainesville, Florida, USA, (JA), Dept. Natural History, Florida Museum of Natural History, Gainesville, Florida, (SF)
	190: USING TRACKING TUBES TO MONITOR BEACH MOUSE ( <i>PEROMYSCUS POLIONOTUS</i> ) POPULATIONS IN FLORIDA. Jeffery A. Gore, Ronald E. Loggins & Laura A. Slaby, Fish and Wildlife Research Institute, Florida Fish and Wildlife Conservation Commission, Panama City, Florida, USA, (JAG,REL,LAS)
	191: RODENTS AS AGENTS OF BIOTIC RESISTANCE TO EUROPEAN BUCKTHORN INVASION IN A FRAGMENTED LANDSCAPE Timothy S. McCay, Department of Biology, Colgate University, Hamilton, New York, USA, (TSM)
	192: ENCEPHALIZATION AND LIFE HISTORY: LESSONS FROM PRIMATE BRAIN GROWTH TRAJECTORIES Shannen L. Robson, Vertebrate Collections, Utah Museum of Natural History, University of Utah, Salt Lake City, UT, (SLR)
	193: INTERPLAY BETWEEN SELECTION, DRIFT, AND HISTORY: MHC POLYMORPHISM IN TWO SOUTH AMERICAN SUBTERRANEAN RODENTS ( <i>CTENOMYS AUSTRALIS</i> AND <i>C. TALARUM</i> ) Ana Paula Cutrera, Eileen Anne Lacey & Matias Sebastian Mora, Laboratorio de Ecofisiologia-Departamento de Biologia, Universidad Nacional de Mar del Plata, Mar del Plata, ARGENTINA, (APC,MSM), Museum of Vertebrate Zoology, University of California Berkeley, Berkeley, CA, (EAL)
	194: EFFECT OF TIMBER HARVEST ON SMALL MAMMAL POPULATIONS IN EASTERN KENTUCKY AND NORTHWESTERN MINNESOTA. Christy M. Hopkins, Department of Biology, Pikeville College, Pikeville, KY, (CMH)
	195: MORPHOLOGICAL IDENTIFICATION OF SHORT-TAILED SHREWS ( <i>BLARINA</i> ) IN EASTERN KENTUCKY. Matthew A. B. Smith, Brian P. Daniels & Joseph C. Whittaker, Department of Biology, Pikeville College, Pikeville, KY, (MABS,BPD,JCW)
	196: ABSORPTION SPECTRA AND GENE EXPRESSION OF OPSINS IN VESPERTILIONID BATS: WHAT DO BATS SEE? Jim Ryan, Mark Deutschlander, Kristy Kenyon, Kate Feller & Ellis Loew, Biology Department, Hobart and William Smith Colleges, Geneva, NY 14456 USA, (JR,MD,KK,KF), Department of Biomedical Sciences, Cornell University, Ithaca, NY, (EL)
	197: INDIANA BATS MAY BE AVOIDING URBAN AREAS FOR REASONS OTHER THAN PREY AVAILABILITY Nicole M. Tuttle & Dale W. Sparks, Department of Ecology and Organismal Biology, Indiana State University, Terre Haute, IN, (NMT,DWS)
	198: TAXONOMY OF THE <i>THOMOMYS BOTTAE-UMBRINUS</i> COMPLEX IN NORTH AMERICA Sergio Ticul Alvarez-Castañeda, Centro de Investigaciones Biologicas del Noroeste, La Paz, Baja California Sur, México, (STAC)
	199: TAXONOMIC REVISION OF <i>THOMOMYS BOTTAE</i> IN THE BAJA CALIFORNIA SUR LOWLANDS Ana L. Trujano-Alvarez & S.Ticul Alvarez-Castañeda, Coleccion de Mamíferos, Centro de Investigaciones Biologicas del Noroeste S.C., La Paz,

## DETAILED PROGRAM

	B.C.S. Mexico, (ALTA,STAC)
	200: A HABITAT MODEL FOR NEW ENGLAND COTTONTAIL ( <i>SYLVILAGUS TRANSITIONALIS</i> ) IN NEW YORK STATE. Joe Bopp, Roland W. Kays, Michael Clark, Al Hicks, John A. Litvaitis & Timothy G. Howard, Mammals, New York State Museum, Albany, NY, USA, (JB,RWK), Endangered Species, NYS Dept. Environmental Conservation, Albany, NY, USA, (MC,AH), Wildlife Ecology , University of New Hampshire , Durham, NH, USA, (JAL), New York Natural Heritage Program, Albany, NY, USA, (TGH)
	201: ENDANGERED AND THREATENED MAMMALS: IDENTIFYING CAUSATION, CONTINUING THREATS, AND PROSPECTS FOR MAMMALIAN CONSERVATION Steven R. Sheffield, Brian Czech & Molly W. Ingraham, College of Natural Resources, Virginia Polytechnic Institute and State University, Alexandria, Virginia, USA, (SRS,BC), The Nature Conservancy, Seattle, WA, USA, (MWI)
	202: CRANIAL ONTOGENY OF GALÁPAGOS FUR SEALS AND SEA LIONS (CARNIVORA: OTARIIDAE) Sylvia Brunner & Fritz Trillmich, University of Alaska Museum of the North, University of Alaska , Fairbanks, Alaska, USA, (SB), Institut für Biologie, Universität Bielefeld, Bielefeld, GERMANY, (FT)
	203: A PROPOSAL ABOUT MARINE MAMMALS USED AS BIOINDICATORS OF MARINE ECOSYSTEM HEALTH AT VERACRUZ, MÉXICO. Ibiza Martínez-Serrano, PhD Candidate & Arturo Serrano, PhD, Laboratorio de Mamíferos Marinos, Facultad de Ciencias Biológicas. Universidad Veracruzana, Tuxpan, Veracruz, MÉXICO, (IMS), Laboratorio de Mamíferos Marinos, Facultad de Ciencias Biológicas, Universidad Veracruzana, Tuxpan, Veracruz, MÉXICO, (AS)
	204: NORTH ATLANTIC RIGHT WHALE PRESENCE AND THE ABUNDANCE OF COPEPODS IN THE GULF OF MAINE Daniel E. Pendleton, Andrew J. Pershing, Charles A. Mayo, Moira W. Brown & Moriah K. Bessinger, Department of Earth & Atmospheric Sciences, Cornell University, Ithaca, NY, USA, (DEP,AJP), Provincetown Center for Coastal Studies, Provincetown, MA, USA, (CAM,MKB), New England Aquarium, Boston, MA, USA, (MWB)
	205: EFICIENCY OF TWO HAIR TRAP DESIGNS TO DETECT MEDIUM AND LARGE MAMMALS Ivan Castro-Arellano, Carmina Madrid Luna, Livia Leon & Thomas E. Lacher, Jr., Dept. of Ecology and Evolutionary Biology , University of Connecticut, Storrs, CT, USA, (ICA), Museo de Zoología, Facultad de Ciencias, Universidad Nacional Autonoma de Mexico, Distrito Federal, Mexico, (CML,LL), Center for Applied Biodiversity Science, Conservation International, Washington, D.C., USA, (TEL)
	206: JAGUAR ( <i>PANTHERA ONCA</i> ) CURRENT DISTRIBUTION IN TABASCO, WESTERN CAMPECHE AND NORTHERN CHIAPAS, MEXICO Mircea G. Hidalgo-Mihart & Daniela Valera-Aguilar, División Académica de Ciencias Biológicas, Universidad Juárez Autónoma de Tabasco, Villahermosa, Tabasco, México, (MGHM,DVA)
	207: IDENTIFICATION AND CHARACTERIZATION OF THE CONTACT ZONE BETWEEN TWO SPECIES OF SHORT-TAILED SHREWS ( <i>BLARINA</i> ) IN SOUTHERN IOWA AND NORTHERN MISSOURI Cody W. Thompson, Elmer J. Finck, Jerry R. Choate & Hugh H. Genoways, Department of Biological Sciences, Fort Hays State University, Hays, Kansas, USA, (CWT,EJF), Sternberg Museum of Natural History, Fort Hays State University, Hays, Kansas, USA, (JRC), University of Nebraska State Museum, University of Nebraska-Lincoln, Lincoln, Nebraska, USA, (HHG)
	208: THE ALLOMETRY OF ORNAMENTS AND WEAPONS Astrid Kodric-Brown, Richard M. Sibly & James H. Brown, Department of Biology, University of New Mexico, Albuquerque NM , (AK), School of Biological Sciences, University of Reading, Reading, UK, (RMS), Santa Fe Institute, Santa Fe, NM, (JHB)

## DETAILED PROGRAM

	209: RUN FASTER; JUMP HIGHER; ANATOMIC VARIATIONS IN THE PAWS OF CLOUDED LEOPARDS ( <i>NEOFELIS NEBULOSA</i> ) Virginia L. Naples & Christopher Hubbard, Osteoprep Lab, Division of Mammals, Smithsonian Institution, Washington, D. C. , (VLN), Department of Biological Sciences, Northern Illinois University, DeKalb, Illinois, (CH)		
	210: MATE FIDELITY IN PRAIRIE VOLES Anthony C. Fries, Ashley R. Richmond, Kristen E. Lucia, Brian Keane & Nancy G. Solomon, Department of Zoology, Miami University, Oxford, Ohio, USA, (ACF,ARR,KEL,BK,NGS)		
	211 A NATIONAL SCIENCE POLICY EXPERIENCE FOR GRADUATE STUDENTS: THE ASM-AIBS PUBLIC POLICY INTERNSHIP Judson E. Bruzgul, Department of Biological Sciences, Stanford University, Stanford, California, (JEB)		
	212 COAT COLORS OF MALE AND FEMALE <i>PEROMYSCUS MANICULATUS</i> : UNEXPECTED DIFFERENCES Collette Roy, Laurie Gayes & Virginia Hayssen, Department of Biological Sciences, Smith College, Northampton, MA, (CR,LG,VH),		
Tue 10:00	<b>Group Photo and Refreshment Break--165-69, 162-75, CC Steps</b>		
Tue 10:30	<b>Members Meeting II—Auditorium</b>		
Tue 12:00	<b>Lunch (and 2<sup>nd</sup> Board of Director's Lunch)—Hatch/Reading Room</b>		
	<b>Technical Session 16—Auditorium Behavior</b>	<b>Technical Session 17—163C Systematics</b>	<b>Technical Session 18—101 Mixed</b>
Tue 1:30	213: SPATIOTEMPORAL RESPONSE OF ELK TO FOREST FUELS REDUCTION Ryan A. Long, Janet L. Rachlow & John G. Kie, Department of Fish and Wildlife Resources, University of Idaho, Moscow, Idaho, USA, (RAL,JLR), Department of Biological Sciences, Idaho State University, Pocatello, Idaho, USA, (JGK)	220: TAXONOMIC SIGNIFICANCE OF SLANTING OCCIPUT IN <i>HYSTRICIGNATHII</i> Stuart O. Landry, Biology, SUNY, Binghamton, New York, USA, (SOL)	227: THE MAMMALIAN ERYTHROCYTE AND ITS PECULIAR FORM IN THE CAMELIDAE Charles A. Long, Department of Biology, University of Wisconsin, Stevens Point, WI 54481, (CAL)
Tue 1:45	214: PITVIPERS MAY REDUCE USE OF DOWNED WOODY MATERIAL BY NEOTROPICAL SMALL MAMMALS John A. Yunker, Environmental Biology, Governors State University, University Park, Illinois, USA, (JAY)	221: COPHYLOGENY AND MOLECULAR RATE COMPARISONS IN HETEROMYID RODENTS AND THEIR SUCKING LICE Jessica Light , Department of Biological Sciences and Museum of Natural Scie, Louisiana State Univeristy , Baton Rouge, LA, (JEL)	228 ONTOGENETIC CHANGE IN SKULL MORPHOLOGY AND FEEDING PERFORMANCE IN THE SPOTTED HYENA ( <i>CROCUTA CROCUTA</i> ) Jaime B. Tanner, Barbara L. Lundrigan & Kay E. Holekamp, Department of Zoology, Michigan State University, East Lansing, Michigan, USA, (JBT,BLL,KEH)
Tue 2:00	215: SPOILED BRATS: AN EXTREME FORM OF JUVENILE DOMINANCE IN THE RING-TAILED COATI	222: MOLECULAR PHYLOGENY OF NEW WORLD EMBALLONURID BATS (TRIBE DICLIDURINI) BASED ON LOCI FROM	229: DEVELOPMENTS IN MAMMALIAN DIETARY RECONSTRUCTION OF CARNIVORES USING LOW-

## DETAILED PROGRAM

	Ben Hirsch, IDPAS, Department of Anthropology, Stony Brook University, Stony Brook, NY, (BTH)	THE FOUR GENETIC TRANSMISSION SYSTEMS IN MAMMALS Burton K. Lim, Mark D. Engstrom, John C. Patton & John W. Bickham, Department of Natural History, Royal Ontario Museum, Toronto, Ontario, Canada, (BKL,MDE), Department of Wildlife and Fisheries Sciences, Texas A&M University, College Station, Texas, (JCP,JWB)	MAGNIFICATION STEREOMICROSCOPY OF DENTAL MICROWEAR Eric W. Dewar, Graduate Program in Organismic and Evolutionary Biology, University of Massachusetts Amherst, Amherst, Massachusetts, USA, (EWD)
Tue 2:15	216: KITH OR KIN, WHOSE NEST IS JUST RIGHT? WINTER AGGREGATION BEHAVIOR IN SOUTHERN FLYING SQUIRRELS ( <i>GLAUCOMYS VOLANS</i> ) Katherine K. Thorington & Peter D. Weigl, Department of Biology, Wake Forest University, Winston Salem, North Carolina, USA, (KKT,PDW)	223: MOLECULAR PHYLOGENETICS OF THE TRIBE ORYZOMYINI: A THREE GENE APPROACH. J. Delton Hanson, Charles F. Fulhorst & Robert D. Bradley, Department of Biology, Texas Tech University, Lubbock, Texas, USA, (JDH,RDB), Department of Pathology, University of Texas Medical Branch, Galveston, Texas, USA, (CFF)	230: SEXUAL SHAPE DIMORPHISM AND RENSCH'S RULE IN <i>UROCYON</i> Heidi Schutz, Department of Ecology and Evolutionary Biology, University of Colorado, Boulder, Boulder, Colorado, USA, (HS)
Tue 2:30	217: INFLUENCE OF PRIOR PLAY BEHAVIOR AND MATERNAL EXPERIENCE ON THE BEHAVIOR OF FEMALE GROUND SQUIRRELS DURING THE BREEDING PERIOD Scott Nunes, Department of Biology, University of San Francisco, San Francisco, CA, (SN)	224: BIODIVERSITY AND PHYLOGEOGRAPHY OF THE <i>ARTIBEUS JAMAICENSIS</i> COMPLEX Peter A. Larsen, Steven R. Hoofer, Matthew C. Bozeman, Scott C. Pedersen, Dorothy E. Pumo, Carleton J. Phillips, Hugh H. Genoways & Robert J. Baker, Department of Biological Sciences, Texas Tech University, Lubbock, Texas, USA, (PAL,SRH,MCB,CJP,RJB), Department of Biology, South Dakota State University, Brookings, South Dakota, USA, (SCP), Department of Biology, Hofstra University, Hempstead, New York, USA, (DEP), University of Nebraska State Museum, University of Nebraska-Lincoln, Lincoln, Nebraska, USA, (HHG)	231: QUANTITATIVE ANALYSIS OF MODULARITY AND ITS RELATIONSHIP WITH FUNCTION AND DEVELOPMENT IN THE MAMMALIAN SKULL Anjali Goswami, Department of Palaeontology, The Natural History Museum, London, Cromwell Road, London, SW7 5BD, U.K., (AG)
Tue 2:45	218: DELAYED DISPERSAL IN PRAIRIE VOLES: THE HABITAT SATURATION HYPOTHESIS Kristen E. Lucia, Brian Keane & Nancy G. Solomon, Zoology, Miami University, Oxford,	225: Open [moved to plenary session] <b>ASM Fellowship in Mammalogy</b> : DIRECT, INDIRECT, AND NET EFFECTS OF LARGE HERBIVORES UPON <i>ACACIA</i> POPULATION DYNAMICS IN CENTRAL	232: BRAIN SIZE EVOLUTION IN THE CANIFORMIA (CARNIVORA): INCORPORATING DATA FROM FOSSIL TAXA John A. Finarelli & John J. Flynn, Committee

## DETAILED PROGRAM

	Ohio, USA, (KEL,BK,NGS)	KENYA Jacob R. Goheen, Department of Biology, University of New Mexico, Albuquerque, New Mexico, USA, (JRG)	on Evolutionary Biology, University of Chicago, Chicago, Illinois, USA, (JAF), Division of Paleontology, American Museum of Natural History, New York, New York, (JJF)
Tue 3:00	219: TEMPORAL PATTERNS OF RISK BEHAVIOR IN THE CENTRAL AMERICAN AGOUTI. Roland W. Kays, Thomas D. Lambert, Enzo Aliaga Rossel & Patrick A. Jansen , Mammals, New York State Museum, Albany, NY, USA, (RWK), Department of Biology, University of Nevada-Las Vegas, Las Vegas, NV, USA, (TDL), Botany, University of Hawaii, (EAG), Community and Conservation Ecology, University of Groningen , Haren, The Netherlands , (PAJ)	226: WHEN GOOD GENES GO BAD: PERSPECTIVES ON DIDELPHID MARSUPIAL PHYLOGENETICS FROM MULTIPLE GENES AND MORPHOLOGY Sharon A. Jansa & Robert S. Voss, Bell Museum of Natural History, University of Minnesota, St. Paul, Minnesota, USA, (SAJ), Department of Vertebrate Zoology, American Museum of Natural History, New York, New York, USA, (RSV)	233: BIG NUT FOR A SMALL MAMMAL: THE IMPORTANCE OF <i>PROECHIMYS</i> SPP. (ECHIMYIDAE) IN BRAZIL NUT SEED DISPERSAL Jorge A. Solórzano-Filho & Jay R. Malcolm, Faculty of Forestry, University of Toronto, Toronto, Ontario, Canada, (JAS), Faculty of Forestry, University of Toronto, Toronto, Ontario Canada, (JRM)
Tue 3:15	<b>Refreshment Break</b> —165-69, 162-75		
	<b>SYMPOSIUM</b> —Auditorium <b>Large-scale Marine Ecosystem Change and the Conservation of Marine Mammals</b>		
Tue 3:45	234: LARGE SCALE CHANGES IN THE MARINE ACOUSTICAL ENVIRONMENT AND ITS IMPLICATIONS FOR MARINE MAMMALS Peter L. Tyack, Department of Biology, Woods Hole Oceanographic Institution, Woods Hole MA, (PLT)		
Tue 4:15	235: INTERACTIONS BETWEEN MARINE MAMMALS AND COMMERCIAL FISHERIES; CAUSES, CONSEQUENCES AND SOLUTIONS Andrew Read, Nicholas School of the Environment and Earth Sciences, Duke University, Beaufort, NC, (AJR)		
Tue 4:45	236: IMPACTS OF CLIMATE CHANGE ON MARINE MAMMAL HABITATS Sue E. Moore, APL-University of Washington, NOAA/Alaska Fisheries Science Center, Seattle, Washington, USA, (SEM)		
Tue 5:15	237: FROM WHALING TO URBAN LIVING: THE CONTINUING PLIGHT OF THE NORTH ATLANTIC RIGHT WHALE Scott D. Kraus & Rosalind M. Rolland, Research, New England Aquarium, Boston, MA 02110 USA, (PHD), Global Marine Programs, New England Aquarium, Boston, MA 02110 USA, (DVM)		
Tue 6:00	<b>Pre-banquet Social (cash bar)</b> —Cape Cod Lounge		
Tue 6:30	<b>Banquet</b> —Student Union Ballroom		
Tue 8:30-11	<b>Auction and Social (cash bar and light snacks)</b> —Student Union Ballroom/Commonwealth		



## DETAILED PROGRAM

	<b>Technical Session 19--Auditorium Community Ecology</b>	<b>Technical Session 20—163C Natural History/Conservation</b>	<b>Technical Session 21—101 Systematics</b>
Wed 8:00	238: AREA AND SPATIAL CONSTRAINT CANNOT DRIVE ELEVATIONAL DIVERSITY OF MAMMALS Christy M. McCain, National Center for Ecological Analysis and Synthesis, University of California, Santa Barbara, Santa Barbara, CA, (CMC)	Open	263: THE TAXONOMIC STATUS AND SPECIES LIMITS OF OKLAHOMA <i>PEROGNATHUS</i> (RODENTIA, HETEROMYIDAE) Brandi S. Coyner & R. A. Van Den Bussche, Department of Zoology, Oklahoma State University, Stillwater, OK, (BSC,RAVDB)
Wed 8:15	239: CLIMATE WARMING, CHANGING LAND-USE PRACTICES AND THE RESTRUCTURING OF THE SMALL MAMMAL FAUNA IN THE MOUNTAINS OF CENTRAL UTAH Rebecca J. Rowe, Committee on Evolutionary Biology, University of Chicago, Chicago, IL, USA, (RJR)	245: SLOTHS ET AL. TEACHING THE "E" WORD: USING EXTANT AND EXTINCT XENARTHAN CRANIAL MATERIALS TO EXEMPLIFY FOR MIDDLE SCHOOL STUDENTS CHANGE THROUGH TIME AND HOW SCIENCE WORKS Barbara J. Shaw & Luis A. Ruedas, Department of Biology, Portland State University, Portland, Oregon, USA, (BJS,LAR)	251: MOLECULAR SYSTEMATICS OF THE OLD ENDEMIC RODENT FAUNA (MUROIDEA: MURINAE) OF NEW GUINEA AND AUSTRALIA (SAHUL) Kevin C. Rowe, Philip Q. Spinks, Daniel M. Richmond, Michael L. Reno, Ron M. Adkins & Scott J. Stepan, Department of Biological Science, The Florida State University, Tallahassee, Florida, (KCR, DMR, MR, SJS), Section of Evolution and Ecology, University of California, Davis, Davis, California, (PQS), Dept. of Pediatrics, Center of Genomics & Bioinformatics, University of Tennessee Health Science Center, Memphis, Tennessee, (RMA)
Wed 8:30	240: SPATIAL ASSOCIATION OF RACCOONS AND OPOSSUMS IN ILLINOIS: NO EVIDENCE FOR COMPETITION Edward J. Heske & Tom A. Nelson, Center for Wildlife and Plant Ecology, Illinois Natural History Survey, Champaign, IL 61820, (EJH), Department of Biological Sciences, Eastern Illinois University, Charleston, IL 61920, (TAN)	246: RESOURCE REDUCTION RELATED TO INSECT INFESTATION: IS THE ECOLOGY OF ENDANGERED MT. GRAHAM RED SQUIRRELS AFFECTED? Claire A. Zugmeyer & John L. Koprowski, School of Natural Resources, University of Arizona, Tucson, Arizona, USA, (CAZ,JLK)	252: GENETIC SPECIES, PARAPATRIC HYBRID ZONES, AND INTEGRITY OF THE GENE POOL Robert J. Baker & Robert D. Bradley, Biological Sciences and the Museum, Texas Tech University, Lubbock, TX, USA, (RJB), Biological Sciences, Texas Tech University, Lubbock, TX, USA, (RDB)
Wed 8:45	241: STRUCTURE OF A DESERT RODENT METACOMMUNITY: LOCAL ENVIRONMENT VS. REGIONAL DISPERSAL J. Sebastian Tello & Richard D. Stevens,	247: PREFERRED HABITAT AND DISTRIBUTION OF THE BIG CYPRESS FOX SQUIRREL <i>SCIURUS NIGER AVICENNIA</i> Danielle A. Munim, Jane M. Waterman & Reed F. Noss, Department of Biology, University of	253: PHYLOGEOGRAPHY AND PHYLOGENY OF MADAGASCAR'S TRUE SHREWS AS INFERRED FROM MITOCHONDRIAL DNA. Anna K. Ferry, Steven M. Goodman & Link E.

## DETAILED PROGRAM

	Department of Biological Sciences, Louisiana State University, Baton Rouge, Louisiana, USA, (JST,RDS)	Central Florida, Orlando, FL, USA, (DAM,JMW,RFN)	Olson, Biology and Wildlife, University of Alaska, Fairbaks, Fairbanks, Alaska, USA, (AKF), WWF-Madagascar, , (SMG), University of Alaska Museum, University of Alaska, Fairbanks, Fairbanks, Alaska, USA, (LEO)
Wed 9:00	242: COMPLEX MUTUALISM AMONG SMALL MAMMALS, MYCORRHIZAL FUNGI AND OAKS Karen D. Stone, Sara R. Anglin, Jonathan L. Frank, Seth Barry & Darlene Southworth, Department of Biology, Southern Oregon University, Ashland, Oregon, USA, (KDS,SRA,JLF,SB,DS)	248: MINIMALLY DESTRUCTIVE METHODS FOR GENETIC ANALYSIS USING MUSEUM SPECIMENS Michelle C. Knapp, Kimberlyn Nelson, Peter A. Larsen & Robert J. Baker, Department of Biological Sciences, Texas Tech University, Lubbock, Texas, USA, (MCK,PAL,RJB), Department of Biology, Penn State University, State College, Pennsylvania, USA, (KN)	254: TAXONOMIC STATUS OF THE HIGHLAND TAPETIS (LEPORIDAE: <i>SYLVILAGUS</i> ) OF ECUADOR C. Miguel Pinto, Department of Biological Sciences, Texas Tech University, Lubbock, Texas, USA, (CMP)
Wed 9:15	243: EFFECTS OF FOREST FIRE ON THE PREVALENCE OF PARASITISM IN SMALL MAMMAL COMMUNITY Yeen Ten Hwang & John S. Millar, Department of Biology, University of Western Ontario, London, Ontario, Canada, (YTH,JSM)	249: TESTING REMOTE CAMERAS FOR DETECTING CANADA LYNX IN MAINE Clayton K. Nielsen & Mark McCollough, Cooperative Wildlife Research Lab, Southern Illinois University Carbondale, Carbondale, Illinois, USA, (CKN), Maine Field Office, U.S. Fish and Wildlife Service, Old Town, Maine, USA, (MM)	255: MORPHOLOGICAL EVIDENCE SUPPORTS THE STATUS OF THE EXTINCT SEA MINK (MAMMALIA: CARNIVORA: MUSTELIDAE) AS A SEPARATE SPECIES Rebecca A. Sealfon, Department of Biology, Duke University, Durham, North Carolina, USA, (RAS)
Wed 9:30	244: HABITAT CHARACTERISTICS OF RESTORED OAK WOODLANDS ASSOCIATED WITH INCREASED SMALL MAMMAL DENSITIES Laurinda L. Showen & Thomas E. Nupp, Department of Biology, Arkansas Tech University, Russellville, Arkansas, USA, (LLS,TEN)	250: USING REMOTE VIDEOGRAPHY TO MONITOR BEAVERS IN THE LODGE Craig K. Bloomquist & Clayton K. Nielsen, Cooperative Wildlife Research Lab, Southern Illinois University Carbondale, Carbondale, Illinois, USA, (CKB,CKN)	256: DIVERSIFICATION OF THE <i>PHYLLOTIS XANTHOPYGUS</i> SPECIES COMPLEX (LEAF-EARED MICE) IN THE ANDES: A PHYLOGEOGRAPHIC PERSPECTIVE FROM MULTIPLE MITOCHONDRIAL AND NUCLEAR GENES. Scott J. Steppan, Jenner Banbury, Analyssa Gallegos, Chistopher Hale, Lawren VandeVrede, Sheryl Soucy-Lubell, Laura I. Walker, Angel E. Spotorno & Oswaldo Ramirez, Department of Biological Science, Florida State University, Tallahassee, FL, USA, (SJS,SJB,AG,CH,LV), Department of Entomology, Univ. of California, Davis, CA,

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			USA, (SSL), Facultad de Medicina, Universidad de Chile, Santiago 7, Chile, (LIW,AES), Facultad de Ciencias y Filosofía, Universidad Peruana Cayetano Heredia, Lima, Peru, (OR)
Wed 9:45	<b>Refreshment Break--165-69, 162-75</b>		
	<b>Technical Session 22—Auditorium Mixed</b>	<b>Technical Session 23—163C Biogeography/Community Ecology</b>	<b>Technical Session 24—101 Conservation</b>
Wed 10:15	257: DOES BOTFLY INFESTATION IMPAIR REPRODUCTIVE SUCCESS IN EASTERN CHIPMUNKS ( <i>TAMIAS STRIATUS</i> )? B. Diane Chepko-Sade, Biological Sciences, SUNY Oswego, Oswego, New York, USA, (BDC)	264: OF CLIMATE AND CONIES: PHYLOGEOGRAPHY OF THE AMERICAN PIKA Kurt E. Galbreath & David J. Hafner, Department of Ecology and Evolutionary Biology, Cornell University, Ithaca, New York, USA, (KEG), Biosciences Department, New Mexico Museum of Natural History, Albuquerque, New Mexico, USA, (DJH)	271: HEALTHY ECOSYSTEMS ARE GOOD FOR YOUR HEALTH Laurie J. Dizney, Philip D. Jones & Luis A. Ruedas, Department of Biology, Portland State University, Portland, OR, USA, (LJD,PDJ,LAR)
Wed 10:30	258: CETACEAN CONSERVATION: IDENTIFYING BOTTLENOSE DOLPHIN HOT SPOT POPULATIONS IN VERACRUZ, MEXICO José Ángel Galindo, Arturo Serrano, PhD, Ibiza Martinez Serrano, MSc, Michelle P. Valdés-Arellanes, Gisela Heckel, PhD & Yolanda Schramm, PhD, Laboratorio de Mamíferos Marinos, Universidad Veracruzana, Tuxpan, Veracruz, Mexico, (JAG,AS,IMS,MPVA), Departamento de Biología de la Conservación, CICESE, Ensenada, Baja California, Mexico, (GH), Facultad de Ciencias Marinas, Universidad Autónoma de Baja California, Ensenada, Baja California, Mexico, (YS)	265: THE ISLAND RULE IN SHREWS: MORPHOLOGICAL VARIATION IN <i>SOREX CINEREUS</i> ON SMALL, NEARSHORE ISLANDS Terrence C. Demos, Department of Biological Sciences, University of Illinois at Chicago and The Field Museum, Chicago, IL, USA, (TCD)	272: MAPPING THE BIODIVERSITY OF BAT SPECIES IN MPUMALANGA PROVINCE, SOUTH AFRICA Patricia A. Ruback, Department of Biology, Northern Illinois University, DeKalb, Illinois, USA, (PAR)
Wed 10:45	259: RECOVERY OF FISHERS, <i>MARTES PENNANTI</i> , IN EASTERN CANADA Jeff Bowman, Wildlife Research & Development Section, Ontario Ministry of Natural Resources, Peterborough, Ontario,	266: PIKAS, PEAKS, AND POST-PLEISTOCENE PATTERNS: PHYLOGEOGRAPHY OF AN ALASKA ALPINE LAGOMORPH, <i>OCHOTONA COLLARIS</i>	273: HABITAT HETEROGENEITY, CONNECTIVITY AND METAPOPOPULATION DYNAMICS OF ROUND-TAILED MUSKRATS Robert L. Schooley & Lyn C. Branch,

## DETAILED PROGRAM

	Canada, (JB)	Hayley C. Lanier & Link E. Olson, Department of Biology and Wildlife, University of Alaska Fairbanks, 211 Irving 1, University of Alaska Fairbanks, Fairbanks, AK, (HL), University of Alaska Museum, University of Alaska Fairbanks, 907 Yukon Drive, Fairbanks, AK 99775, (LO,HL)	Department of Natural Resources and Environmental Sciences, University of Illinois, Urbana, Illinois, USA, (RLS), Department of Wildlife Ecology and Conservation, University of Florida, Gainesville, Florida, USA, (LCB)
Wed 11:00	260: CONSERVATION GENETICS, SUBSPECIES IDENTITY, AND PATHOGEN SUSCEPTIBILITY OF NORTHERN FLYING SQUIRRELS IN THE MOUNT ROGERS NATIONAL RECREATION AREA James L. Sparks Jr., Bonnie L. Brown & John F. Pagels, Biology, Virginia Commonwealth University, Richmond, Virginia, USA, (JLS,BLB,JFP)	267: HABITAT SELECTION IN THREE POPULATIONS OF BOTTLENOSE DOLPHINS ( <i>TURSIOPS TRUNCATUS</i> ) Laura Vázquez-Castán, Arturo Serrano, Marisela López-Ortega & Celina Naval-Ávila, Laboratorio de Mamíferos Marinos, Universidad Veracruzana, Tuxpan, Veracruz, Mexico, (LVC,AS,CNA), Laboratorio de Análisis Bacteriológicos e Industriales, Universidad Veracruzana, Tuxpan, Veracruz, Mexico, (MLO)	274: DEN SITE SELECTION BY FEMALE FLORIDA PANTHERS John F. Benson, Fish and Wildlife Research Institute, Florida Fish and Wildlife Conservation Commission, Naples, Florida, USA, (JFB)
Wed 11:15	261: CHANGES IN DEMOGRAPHIC PARAMETERS OF A FLUCTUATING POPULATION OF THE DEGU ( <i>OCTODON DEGUS</i> ), A LONG-LIVED HYSTRICOGNATH RODENT IN SEMIARID CHILE M. Andrea Previtali, Peter L. Meserve & Julio R. Gutierrez, Department of Biological Sciences, Northern Illinois University, DeKalb, IL, USA, (MAP,PLM), Departamento de Biología, Universidad de La Serena, La Serena, Chile, (JRG)	268: ECOLOGICAL EFFECTS OF THE LOSS OF LARGE MAMMALS FROM AN AFRICAN SAVANNA Felicia Keesing, Jacob Goheen, Douglas McCauley, Richard S. Ostfeld, Truman P. Young & Brian F. Allan, Department of Biology, Bard College, Annandale, New York, (FK), Department of Biology, University of New Mexico, Albuquerque, New Mexico, (JG), Department of Biology, Stanford University, Stanford, California, (DM), Institute of Ecosystem Studies, Millbrook, New York, USA, (RSO), Department of Plant Sciences, University of California, Davis, California, (TPY), Department of Biology, Washington University, St. Louis, Missouri, (BFA)	275: RESPONSES OF INSECTIVORES AND SMALL RODENTS TO GREEN-TREE RETENTION HARVESTS IN FORESTS OF WESTERN OREGON AND WASHINGTON Robert A. Gitzen, Stephen D. West, Chris C. Maguire, Tom Manning & Michael R. Kroeger, College of Forest Resources, University of Washington, Seattle, Washington, USA, (RAG,SDW,MRK), Geo-Environmental Section, Oregon Department of Transportation, Salem, Oregon, USA, (CCM), Department of Forest Science, Oregon State University, Corvallis, Oregon, USA, (TM)
Wed 11:30	262: PYLOGENETIC RELATIONSHIPS OF SPINY POCKET MICE (GENERA <i>HETEROMYS</i> AND <i>LIOMYS</i> ) BASED ON	269: CLIMATE, DEER, RODENTS, AND ACORNS AS DETERMINANTS OF VARIATION IN LYME-DISEASE RISK	276: LIVESTOCK GRAZING INFLUENCES DAILY PATTERNS OF ACTIVITY IN THE SPOTTED HYENA

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	MORPHOLOGICAL AND ALLOZYMIC DATA Robert P. Anderson, Marcelo Weksler & Duke S. Rogers, Dept. of Biology, City College of the City Univ. of New York, New York, NY, USA, (RPA), Institute of Arctic Biology and Univ. of Alaska Museum, Univ. of Alaska Fairbanks, Fairbanks, AK, USA, (MW), Dept. of Integrative Biology and M. L. Bean Life Sci. Museum, Brigham Young Univ., Provo, UT, USA, (DSR)	Charles D. Canham, Kelly Oggenfuss, Raymond J. Winchcombe & Felicia Keesing, Institute of Ecosystem Studies, Millbrook, New York, USA, (CDC,KO,RJW), Department of Biology, Bard College, Annandale-on-Hudson, New York, USA, (FK)	Joseph M. Kolowski, Dijana Katan, Kevin R. Theis & Kay E. Holekamp, Department of Zoology, Michigan State University, East Lansing, Michigan, USA, (JMK,DK,KRT,KEH)
Wed 11:45	263: Moved to TS 21: Systematics, 8 am Wed	270: SPATIAL DISTRIBUTION OF A RODENT COMMUNITY OVER A NATURAL FRAGMENTED HABITAT Matthew J. Weekes, Department of Biology, California State University of Fullerton, Fullerton, California, USA, (MJW)	277: DIFFERENCES IN MASS, BODY FAT, AND BONE DENSITY OF TWO POPULATIONS OF <i>NEOTOMA MICROPUS</i> Diane M. Post, James A. Eldridge & Jill D. Miller, Department of Science and Math, University of Texas-Permian Basin, Odessa, Texas, USA, (DMP,JDM), Department of Behavioral Science, University of Texas-Permian Basin, Odessa, Texas, USA, (JAE)
Wed 12:00	<b>Lunch—Hatch/Tent</b>		
	<b>Technical Session 25—Auditorium Behavior/Conservation</b>	<b>Technical Session 26—163C Mixed</b>	<b>Technical Session 27—101 Conservation</b>
Wed 1:30	278: SINGING IN THE RAINY SEASON: REGULAR PRODUCTION OF ULTRASONIC VOCALIZATIONS BY <i>PEROMYSCUS</i> IN THE WILD Matina C. Kalcounis-Rueppell, Jackie D. Metheny & Maarten Vohhof, Department of Biology, University of North Carolina at Greensboro, Greensboro, North Carolina, USA, (MCKR,JDM), Department of Biological Sciences, Western Michigan University, Kalamazoo, Michigan, USA, (MJV)	285: TAXONOMY OF MORMOOPID BATS OF THE <i>PTERONOTUS PARNELLII</i> COMPLEX IN VENEZUELA Eliécer E. Gutiérrez & Jesús Molinari, Department of Biology, City College of the City University of New York, New York, New York, USA, (EEG), Departamento de Biología, Facultad de Ciencias, Universidad de Los Andes, Mérida, Estado Mérida, Venezuela, (JM)	292: RARE AND ENDANGERED MAMMALS OF NORTHWESTERN INDIANA Heather S. Brookhart & John O. Whitaker Jr. , Department of Ecology and Organismal Biology, Indiana State University, Terre Haute, Indiana, USA, (HSB,JOW)
Wed 1:45	279: SOCIAL AND MATERNAL FACTORS INFLUENCE SURVIVAL IN THE SPOTTED HYENA ( <i>CROCUTA CROCUTA</i> )	286: GENETIC STRUCTURE AND HISTORICAL DEMOGRAPHY OF THE ENDANGERED INDIANA BAT (MYOTIS	293: USING SITE OCCUPANCY MODELS TO DETERMINE THE EFFECTS OF HABITAT FRAGMENTATION AND

## DETAILED PROGRAM

	Heather E. Watts & Kay E. Holekamp, Department of Zoology, Michigan State University, East Lansing, Michigan, USA, (HEW,KEH)	SODALIS) AS ASSESSED BY MTDNA ANALYSIS OF WINTER COLONIES Maarten J. Vonhof & Gary F. McCracken, Department of Biological Sciences, Western Michigan University, Kalamazoo, Michigan, USA, (MJV), Department of Ecology and Evolutionary Biology, University of Tennessee, Knoxville, Tennessee, USA, (GFM)	LANDSCAPE CONTEXT ON MEDIUM-SIZED MAMMALIAN PREDATORS IN NORTHEASTERN NATIONAL PARKS Neil W. Talancy, Allan F. O'Connell Jr. & Thomas P. Husband, Natural Resources Science, University of Rhode Island, Kingston, Rhode Island, (NWT,TPH), Patuxent Wildlife Research Center, Beltsville, MD, (AFO)
Wed 2:00	280: INDIVIDUAL PATTERNS OF LATRINE USE BY RACCOONS Suzanne Prange & Stanley D. Gehrt, Max McGraw Wildlife Foundation and The Ohio State University, Dundee, Illinois, (SP), School of Natural Resources, The Ohio State University and Max McGraw Wildlife Foundation, Columbus, Ohio, (SDG)	287: SPECIES LIMITS AND PHYLOGENETIC RELATIONSHIPS WITHIN <i>NECROMYS</i> (CRICETIDAE, SIGMODONTINAE): MOLECULAR EVIDENCE Guillermo D'Elía, Ulises F.J. Pardiñas, Jorge Salazar-Bravo & Pablo Jayat, Departamento de Zoología, Universidad de Concepción, Concepción, Chile, (GD), Departamento de Paleontología, Centro Nacional Patagónico, Puerto Madryn, Argentina, (UFJP), Department of Biological Sciences, Texas Tech University, Lubbock, TX, (JSB), Área de Biodiversidad, Fundación Pro-Yungas, Tucumán, Argentina, (PJ)	294: THE CAPTURE AND SHEARING OF VICUÑAS FOR SUSTAINABLE USE AND ITS APPARENT SOCIAL GROUP DISRUPTION Ronald J. Sarno, Cristian Bonacic, Benito A. Gonzalez, Beatriz Zapata, Stephen J. O'Brien & Warren E. Johnson, Biology, University of South Florida, Tampa, Florida, (RJS), Facultad de Agronomía e Ingeniería Forestal, Pontificia Universidad Católica de Chile, Santiago, Chile, (CB), Programa de Doctorado en Ciencias Silvoagropecuarias y, Universidad de Chile, Santiago, Chile, (BAG), and Laboratorio de Ecología de Vida Silvestre, Facultad de Ci, Universidad de Chile, Santiago, Chile, (BZ), Laboratory of Genomic Diversity, National Cancer Institute, Frederick, MD., (SJO), laboratory of Genomic Diversity, National Cancer Institute, Frederick, MD., (WEJ)
Wed 2:15	281: SOCIAL ORGANIZATION AND GROUP FORMATION OF RACCOONS AT THE NORTHERN EDGE OF THEIR DISTRIBUTION Justin A. Pitt, Serge Larivière & Francois Messier, Department of Biology, University of Saskatchewan, Saskatoon, SK, Canada, (JAP,FM), Cree Hunters and Trappers Income Security Board, Sainte-Foy, Canada, (SL)	288: PHYLOGENY AND DIVERGENCE TIMES OF MAJOR RODENT CLADES: AGREEMENT BETWEEN MOLECULAR CLOCK AND FOSSILS Ryan W Norris & C. William Kilpatrick, Department of Biology, University of Vermont, Burlington, Vermont, USA, (RWN,CWK)	295: ASSESSING THE BUSHMEAT PREVALENCE IN KENYA'S RURAL AND URBAN MEAT MARKETS Natalie Jones, Bradley Smith, Charles Kimwle, Michael Stokes & Douglas McElroy, Department of Biology and Center for Biodiversity Studies, Western Kentucky University, Bowling Green, KY, (NJ,BS,MS,DM), Department of Animal Physiology, University of Nairobi, Faculty of Veterinary Medicine, Nairobi, Kenya, (CK)

## DETAILED PROGRAM

Wed 2:30	<p>282: KINSHIP AND SOCIAL RELATIONSHIPS IN WILD AFRICAN ELEPHANTS</p> <p>Elizabeth A. Archie, Cynthia J. Moss &amp; Susan C. Alberts, Smithsonian Genetics Program, National Museum of Natural History/ National Zoological Park, Washington, DC, (EAA), Amboseli Elephant Research Project, Nairobi, Kenya, (CJM), Biology Department, Duke University, Durham, North Carolina, (SCA)</p>	<p>289: DETECTING CROSS SPECIES KARYOTYPIC HOMOLOGY IN SPECIES OF <i>FCAROLLIA</i> THROUGH <i>IN SITU</i> HYBRIDIZATION</p> <p>Vicki J. Swier, Holly A. Wichman &amp; Robert J. Baker, Department of Biological Sciences, Texas Tech University, Lubbock, Texas, USA, (VJS,RJB), Department of Biological Sciences, University of Idaho, Moscow, Idaho, USA, (HAW)</p>	<p>296: ENDANGERED SPECIES CONSERVATION IN DEVELOPING COUNTRIES: INTEGRATED CONSERVATION FOR LIVINGSTONE'S FLYING FOX <i>PTEROPUS LIVINGSTONII</i> IN THE COMOROS ISLANDS</p> <p>Brent J. Sewall, Department of Wildlife, Fish, and Conservation Biology, University of California, Davis, California, (BJS)</p>
Wed 2:45	<p>283: SUB-STAND SELECTION OF CANADA LYNX (<i>LYNX CANADENSIS</i>) NATAL DENS IN NORTHWEST MAINE, USA</p> <p>John F. Organ, Jennifer H. Vashon, John E. McDonald, Adam D. Vashon, Shannon Crowley, George J. Matula, Jr., Walter J. Jakubas &amp; Amy Meehan, Division of Wildlife and Sport Fish Restoration, U.S. Fish and Wildlife Service, Hadley, Massachusetts, USA, (JFO,JEM), Wildlife Resource Assessment Section, Maine Dept. of Inland Fisheries and Wildlife, Bangor, Maine, USA, (JHV,SC,GJM,WJJ,AM), Wildlife Services, U.S. Dept. of Agriculture, Augusta, Maine, USA, (ADV)</p>	<p>290: POPULATION STRUCTURE OF FISHERS (<i>MARTES PENNANTI</i>) ACROSS NEW YORK AND NEW ENGLAND</p> <p>Paul Rella-Hapeman, Emily K. Latch, Jenny A. Fike, Olin E. Rhodes, Jr. &amp; C. William Kilpatrick, Department of Biology, University of Vermont, Burlington, Vermont, USA, (PSH), Department of Forestry and Natural Resources, Purdue University, West Lafayette, IN, USA, (EKL,JAF,OER), Department of Biology, University of Vermont, Burlington, VT, (CWK)</p>	<p>297: PREDICTING THE EFFECTS OF PERSISTENT ORGANIC POLLUTANTS ON AQUATIC AND MARINE MAMMALS THROUGH COMPARATIVE MOLECULAR ANALYSES</p> <p>Joy M. Lapsertis, Biology Department, Woods Hole Oceanographic Institution, Woods Hole, Massachusetts USA, (JML)</p>
Wed 3:00	<p>284: EXTINCTION OF AN ENDEMIC SUBSPECIES OF VOLE FROM MEXICO, AND GENETICS USING MUSEUM DNA</p> <p>Oliver Pergams, Gerardo Ceballos, Rurik List &amp; Jesús Pacheco, Department of Biological Sciences, University of Illinois at Chicago, Chicago, Illinois, USA, (OP), Instituto de Ecología, Universidad Nacional Autónoma de México, México D.F., México, (GC,RL,JP)</p>	<p>291: GENETIC STATUS AND ABUNDANCE OF A RECOLONIZING BLACK BEAR (<i>URSUS AMERICANUS</i>) POPULATION IN OKLAHOMA</p> <p>Lynne C. Gardner-Santana, Ronald A. Van Den Bussche, Eric C. Hellgren &amp; David M. Leslie, Jr., Oklahoma Cooperative Fish and Wildlife Research Unit, Oklahoma State University, Stillwater, Oklahoma, USA, (LCG-S,DML), Department of Zoology, Oklahoma State University, Stillwater, Oklahoma, USA, (RAVDB), Cooperative Wildlife Research Lab,</p>	<p>298: ACHILLES' JAW: MORPHOLOGY AND MECHANICAL PROPERTIES OF THE RIGHT WHALE MANDIBLE AS A MODEL BONE FOR SHIP STRIKE MORTALITY.</p> <p>Regina Campbell-Malone, Julie Arruda, Darlene R. Ketten, John A. Muller, Igor Tsukrov &amp; Michael J. Moore, Biology Department, Woods Hole Oceanographic Institution, Woods Hole, Massachusetts, USA, (RCM,JA,DRK,MJM), Orthopedic Biomechanics Lab, Beth Israel Deaconess Medical Center, Boston, Massachusetts, USA,</p>

## DETAILED PROGRAM

	Southern Illinois University, Carbondale, Illinois, USA, (ECH)	(JAM), Department of Mechanical Engineering, University of New Hampshire, Durham, New Hampshire, USA, (IT)
Wed 3:15	<b>Refreshment Break--165-69, 162-75</b>	
	<b>Capstone Address—Auditorium</b>	
Wed 3:45	299: ACOUSTIC COMMUNICATION IN THE GREAT WHALES: THE MEDIUM AND THE MESSAGE Christopher W. Clark, Bioacoustics Research Program and Neurobiology & Behavior, Cornell University, Ithaca, NY, USA	
Thur 12:00	<b>Final Check-Out Time—Residence Halls and Campus Center Hotel</b>	