

Poster Sessions

Poster Session A

Presentations: Monday 26 July

Session A posters must be put up by the end of the morning break on Monday July 26.

Presenters should stand by their 'A' posters from 7pm to 9pm on Monday July 26.

'A' Posters must be removed by 9:30pm on Tuesday July 27.*

#	Session	Poster title	Authors	Organization
APPLIED ANIMAL BEHAVIOR POSTER SESSION (1A TO 31A)				
1	A	The effects of social companionship and seasonality on pacing behavior in an adult male sloth bear	Bauer EB	Smithsonian's National Zoological Park
2	A	Countermarking in domestic dogs: effects of sex, status and gonadectomy	Lisberg AE , Snowdon CT	University of Wisconsin-Whitewater
3	A	Evaluating the behavior of fight-bred pit bull puppies	Collins K	American Society for the Prevention of Cruelty to Animals
4	A	Here, Buddy: Attention in humans and dogs.	Hughes A , Deck R, Ledbetter S, Malone M	Randolph-Macon College
5	A	Evaluating Conspecific Aggression in Fight-Bred Pit Bulls	Reid PJ , McMillan T	ASPCA Animal Behavior Center
6	A	Love Me, Love My Dog?: The Role of Personality Variables and Physical Characteristics in Attitudes Toward Dogs	Fratkin J	James Madison University
7	A	Contagious yawning in domestic dogs (<i>Canis familiaris</i>)	Gage KN , Gallup GG	University at Albany, SUNY
8	A	The development of behavior problems in puppies (<i>Canis lupus familiaris</i>) and kittens (<i>Felis catus</i>)	Wright JC	Mercer University
9	A	Changing attitudes about dominance in domestic dogs (<i>Canis lupus</i>)	Mahurin, EJ	Clever Critters
10	A	Changes on the response to social separation in one year old bucks	Ruiz O, González F, Paredes M, Terrazas A, Soto R	Facultad de Estudios Superiores Cuautitlán, UNAM
11	A	The risk gradient enclosure: An ethologically based modification of the open-field	Henderson CNR , Sozio RS	Palmer Center for Chiropractic Research
12	A	Repetitive elephant behavior varies with time to feeding and number of feedings	Cox CR , Carroll SA, Yen NT, Adams NA	Los Angeles Zoo
13	A	A Captive Dosing Study on Zebra Finch to Determine the Effects of Methylmercury on Reproduction and Stress	Lemelin SR , Cristol DA, Swaddle JP	The College of William of Mary
14	A	Incorporating behavior into the study of habitat suitability: salinity preference of nonnative African jewelfish	Rehage JS , Serafy J, Lopez DP, Anderson M	Florida international University
15	A	Boldness and Dispersal across multiple populations of non-native African Jewelfish in the Florida Everglades	Lopez DP , Rehage JS.	Florida International University
16	A	Acoustic mapping of a free standing pool and aquarium; Impact to audition and acoustic enrichment of Pacific White-sided Dolphin	Makepeace S , Scheifele P, Kemper K	University of Cincinnati
17	A	Barn-Talk - The influence of physical factors on the evolution of equine vocalization.	Browning DG , Scheifele PM	University of Rhode Island
18	A	Traffic noise and parid behavior: an experimental test	Owens JL , O'Hatnick A, Stec C, Freeberg TM	University of Tennessee
19	A	Anthropogenic noise affects ungulate behavior in a National Park	Angeloni L , Brown C, Hardy A, Barber J, Frstrup K, Crooks K	Colorado State University
20	A	The impacts of energy development noise playback on lek attendance and behavior in greater sage-grouse	Blickley JL , Blackwood D, Patricelli GL	University of California, Davis
21	A	Development of a Digital Image Acquisition System for Analysis of <i>Betta splendens</i> Bubble-Nesting Behavior	Brand R , Beatley C, Searles C, Roller B, Velkey A	Christopher Newport University
22	A	Animal Welfare: What is It and How is it Measured?	Fernandez EJ , Ha JC	Woodland Park Zoo
23	A	Relationship between backtest and maze test performance	Sturdevant-Spake JR , Gray K, Cassidy JP	North Carolina State University
24	A	Exploring the olfactory ability of the Kea (<i>Nestor notabilis</i>), an endangered parrot from New Zealand	Hagelin J , Kramer KF, Kukola RL, Ernst CQ	Swarthmore College
25	A	Assistance with pets for people with disabling HIV/AIDS	Hart LA , Hart BJ, Reed SK, Brooks A	University of California, Davis
26	A	Individual differences in zebrafish (<i>Danio rerio</i>) behavior	Toms CN , Jouandot DJ, Echevarria DJ	University of Southern Mississippi

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APPLIED ANIMAL BEHAVIOR POSTER SYMPOSIUM (1A TO 31A)--continued					
	27	A	Greetings at the Gate: A plan for student observations at dog parks	Weldon LJ , Hughes AT	CCBC Essex
	28	A	Teaching students to design animal behavior projects in unfamiliar places	Halkin SL	Central Connecticut State University
	29	A	The web of inquiry: urban black widow behavior as a tool to teach the scientific method	Johnson JC , Bonney D, Hupton GM, Elser M	Arizona State University
	30	A	Women who watch wolves: a research-focused Animal Behavior course	Norton CG	St. Catherine University
	31	A	(Ir)Rationality in ants	Sasaki T , Pratt SC	Arizona State University

Poster Session B
Presentations: Tuesday 27 July
 Session B posters must be put up by the end of the morning break on Monday July 26.
 Presenters should stand by their 'B' posters from 7pm to 9pm on Tuesday July 27.
 'B' posters must be removed by 9:30pm on Tuesday July 27*

GENESIS & TURNER (Undergraduate) (32B TO 53B)					
G	32	B	Daily variation in the coverage behavior of <i>Lytechinus variegatus</i>	Sicsu PR , Couto TTBA, Lenti F, Rodrigues G-BF, Aquino PPPU	Universidade de Brasilia
G	33	B	Survey protocol affects acoustic communication and reproduction in an endangered American burying beetle	Devlin K , Hall CL, Howard DR, Smith RJ	Brown University
G	34	B	Modeling the social influences on growth in group-living fish	Hoskins EA , Hamilton IM, Marschall EA	The Ohio State University
G	35	B	Bichon Frise Dogs Have Linear Hierarchies In Both Pair-Wise And Social Settings	Nilsen A , Ha JC	University of Washington
G	36	B	Geese see the world laterally and transversally: implications for vigilance	Moore B , Doppler M, Freeman J, Kapernaros K, Blackwell BF, Fernandez-Juricic E	Purdue University
G	37	B	Response to disturbance by fire in the endangered American burying beetle	Roesler E , Howard DR, Hall CL	University of Illinois at Chicago
G	38	B	Ptilochronology relates to West Nile virus seropositivity in house finches	Payne CP , Nolan PM, Graves M, Johnson KY	The Citadel
G	39	B	Effects of host plant variation and natural enemies in a tritrophic system.	Muncy S , Longtine C	North Hennepin Community College
G	40	B	<i>Peromyscus californicus</i> scent mark more than the closely related <i>Peromyscus leucopus</i>	Becker EA , Meder S, Marler CA	University of Wisconsin-Madison
G	41	B	Who Cares? The Distribution of Social Care and Alloparenting in the Colonial Rodent: <i>Meriones unguiculatus</i>	Fulmer AG , Ross CL, Feinstein M	Hampshire College
G	42	B	Vocal cues of pair stability in cooperative lance-tailed manakin males.	Mayo MA , Kapoor V, DuVal E	Florida State University
G	43	B	Zebrafish protocol for assaying shy/bold behavioral syndrome in multiple contexts	Sailer C , Radenic S, Wisenden B	Minnesota State University Moorhead
G	44	B	Color as a Discriminative Stimulus for Food Reward during Instrumental Conditioning with <i>Danio rerio</i>	Philyaw C , Cote-Coble M, Beatley C, Brand L, Velkey A	Christopher Newport University
G	45	B	Personality and age affect understanding of human social cues in <i>Tursiops truncatus</i>	Butzen C , Holli B, Kuczaj S, Templeton J	Knox College
G	46	B	A search for the presence of the waggle dance pheromone on the swarm	Kuzora JM	William Paterson University
G	47	B	Male morphs and female ornate tree lizards differ in hippocampus volume.	Hancock RL , Hews DK, Kabelik D	Indiana State University
G	48	B	Personality in juvenile anadromous threespine stickleback, <i>Gasterosteus aculeatus</i>	Crovo JA , Dzieweczynski T	University of New England
G,T	49	B	Meta-analysis: enrichment do's and don'ts	Andrews N , Fernandez, E, Ha J	University of Washington
G,T	50	B	Permissiveness of males in a unisexual-bisexual mating complex	Rangel LI , Gabor CR	Texas State University San Marcos
G,T	51	B	Alone against a crowd: Maternal defense against social predators in a treehopper	Golden TM , Dorfzaun A, Short H, Hamel J	University of Missouri
G,T	52	B	Possible anti-predator function of a high-amplitude vibrational signal by treehopper mothers	Dennis SE , Burke AD, Cocroft RB, Hamel JA	University of Missouri
G,T	53	B	Recent social experience influences male zebrafish response to mild food stress	Hite R , Ruiz M, Martins EP	Indiana University Bloomington

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FOUNDERS AWARD (54B TO 62B)				
F	54	B	Chromatophore control mechanisms underlying crypsis and communication in cuttlefish	Hadjisolomou S, Grasso FW Brooklyn College, The City University of New York
F	55	B	The evolution of complex and flexible behaviors in cephalopod molluscs	Basil JA, Crook R, Grasso FW City University of NY Graduate Center and Brooklyn College
F	56	B	Mate searching and vibration localization in treehoppers	Gibson JS, Cocroft RB University of Missouri
F	57	B	The male counting call and female acoustic response of a katydid, <i>Scudderia pistillata</i>	Villarreal S, Gilbert C Cornell University
F	58	B	Female breeding strategies of morphs of a wing-polymorphic field cricket	Mitra C, Wagner WE, Zera AJ University of Nebraska - Lincoln
F	59	B	Sperm priming, 11-ketotestosterone, and male mate preference in <i>Poecilia mexicana</i>	Ma J, Aspbury A, Gabor C Texas State University, San Marcos, Texas
F	60	B	Experimental evidence that sexual displays are costly for nest survival	Castilho LB, Dias RI, Macedo RH Universidade de Brasilia
F	61	B	Effect of experience with predation cue on the behavior of <i>Pardosa milvina</i>	Sitvarin MI, Rypstra A Miami University
F	62	B	Discrimination of Vocal Performance by Male Swamp Sparrows	DuBois AL, Nowicki S, Searcy WA University of Miami
PREDATION & FORAGING (63B TO 73B)				
	63	B	Firefly signals and jumping spider predation	Long S, Lewis S, Ramos G, Jean-Louis L, Jakob E University of Massachusetts Amherst
	64	B	Seismic behaviors of a leafminer, <i>Antispila nysaeoliella</i> (Lepidoptera: Heliozelidae)	Low, C University of California, Santa Barbara
	65	B	Physical Models Suggest A Monaural Spatial Scanning Mechanism in Bat Ears	Perrin GE, Mueller R, Grasso FW Brooklyn College of The City University of New York
	66	B	Nectar plant visits by butterflies of tallgrass prairies	Burk T Creighton University
	67	B	Woodchuck (<i>Marmota monax</i>) predator threat assessment via buffer distance	Keesom SM, Gillie LL Elmira College
	68	B	Individual consistency and maintenance of behavioral syndromes across predation contexts	Kjelvik MK, Mittelbach G Michigan State University
	69	B	Predatory induced morphology and life history responses of a freshwater snail in reaction to leeches	Jackson CR, Wethington AR Chowan University
	70	B	Gill parasites affect behavior and growth of rainbow darters	Mathis A, Crane A, Crownhart A, Lisek J, Barnhart C Missouri State University
	71	B	Response of spotted salamanders to alarm cues and diet-based predator cues	Hunt R, Mathis A Missouri State University
	72	B	Interactions among nearest neighbors in minnow shoals	Longtine C, Murphy C North Hennepin Community College
	73	B	Predation risk has condition-dependent effects on territorial behavior	Parson J, Mathis A Missouri State University
COGNITION & LEARNING (74B TO 86B)				
	74	B	Effect of calorie restriction on fine motor performance in rhesus monkeys	Huntsberry ME, Young J, Mattison J SoBran, Inc.
	75	B	Immediate serial recall in a macaque	Cowan E, Botvinick M, Houk JC Northwestern University
	76	B	Associative learning and pattern discrimination in <i>Anolis</i> lizards	Leal M Duke University
	77	B	The effect of directional light on navigation in the house mouse (<i>Mus musculus</i>)	Alexander BE University of Kansas
	78	B	Just gotta be me: Individual personalities in captive Siberian dwarf hamsters, <i>Phodopus sungorus</i>	Kanda LL, Louon L, Straley K Ithaca College
	79	B	Out of sight but of whom? A study of caching decisions of captive American Crows at the Binghamton Zoo	Davie C, Clark AB Binghamton University
	80	B	How do whales find each other? Modeling sound localization in humpbacks	Schneider JN, Lloyd DR, Mercado III E University at Buffalo, The State University of New York
	81	B	Goldfish use non-spatial visual cues to guide foraging	Cole GG, Skarratt PA, Easton A University of Essex
	82	B	Effects of nutrient restriction on both social and non-associative learning	Mayeaux D, Wallace M, Young A St. Bonaventure University
	83	B	Preference for delayed reinforcement is stronger in <i>Betta splendens</i> males than in females.	Velkey A, Smith A Christopher Newport University
	84	B	Receiver economics: an experimental simulation of aposematic signaling.	Polnaszek TJ, Stephens D University of Minnesota

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COGNITION & LEARNING (74B TO 86B)--continued				
	85	B	Landmark learning by the Ozark zigzag salamander, <i>Plethodon angusticlavius</i>	Crane A, Mathis A Missouri State University
	86	B	Sex and spatial cognition in rhesus macaques: a mental rotation task	Hughes KD, Santos LR Yale University
SEXUAL SELECTION (87B TO 115B)				
	87	B	Immune system activation affects song and territorial defense	Munoz NE, Blumstein DT, Foufopoulos J Rocky Mountain Biological Laboratory
	88	B	Positive assortative mating in campo flickers based on achromatic but not carotenoid plumage traits	Dias RI, Webster M, Goedert D, Macedo RH Universidade de Brasília
	89	B	The influence of sympatry on plumage divergence in parulid warblers	Doucet SM, Mistakidis AF University of Windsor
	90	B	Are male loud calls costly signals in a folivorous primate (<i>Simias concolor</i>)?	Erb WM, Ziegler T, Hammerschmidt K Stony Brook University
	91	B	Too tired tonight? Allocation of female reproductive investment in gray treefrogs, <i>Hyla versicolor</i>	Humfeld SC, Murray E University of Missouri
	92	B	Compensation for exaggerated eyestalks in stalk-eyed flies (Diopsidae)	Husak JF, Wilkinson GS, Ribak G, Swallow JG University of South Dakota
	93	B	Geographic variation in the song of the barn swallow, <i>Hirundo rustica</i>	Wilkins MR, Karaardıç, H, Safran RH University of Colorado at Boulder
	94	B	Determinants of mating success in a terrestrial salamander with elaborate courtship, <i>Plethodon shermani</i>	Eddy SL, Kiemnec-Tyburczy KM, Uyeda JC, Houck L Oregon State University
	95	B	Comparative analysis of nuptial coloration and visual sensitivity in darters	Gumm JM, Mendelson TC University of Maryland
	96	B	The relative roles of natural and sexual selection in the maintenance of color polymorphism in fish	Hurtado-Gonzales JL, Uy AC Syracuse University
	97	B	Competitive gametic isolation in stalk-eyed flies (<i>Teleopsis dalmanni</i>)	Brand CL, Amitin EG, Wilkinson GS University of Maryland
	98	B	Is female mate preference in the variable field cricket, <i>Gryllus lineaticeps</i> , condition dependent?	Bulfer HL, Wagner, WE University of Nebraska - Lincoln
	99	B	Population genetics and call diversity among three katydid species	Frederick-Hudson KH, Schul J University of Missouri
	100	B	Importance of the paint display trait to courtship display in satin bowerbirds, <i>Ptilonorhynchus violaceus</i>	Hicks R, Borgia G University of Maryland
	101	B	Familiarity and mate choice in sheepshead minnow, <i>Cyprinodon variegatus</i>	Hung AS, Kodric-Brown A University of New Mexico
	102	B	Male and female contribution to behavioral isolation in darters	Martin MD, Mendelson TC University of Maryland Baltimore County
	103	B	The function of mate rejection behavior by female <i>Leptinotarsa decemlineata</i> (Coleoptera: Chrysomelidae)	Orsetti DM University of Kentucky
	104	B	Iridescent Color and Spermatophore Mass in Pipevine Swallowtail Butterfly	Rajyaguru P, Vann Pegrarn K, Nahm A, Rutowski R Arizona State University
	105	B	Reproduction in the Jamaican field cricket <i>Gryllus assimilis</i> : fighting, calling, and condition	Rook VLM, Bertram SM Carleton University
	106	B	Song characteristics influence extra-pair paternity in the indigo bunting, but not as expected	Stewart SLM, Adkins KM University of Kentucky
	107	B	Maternal effects and carotenoid ornaments in female northern cardinals (<i>Cardinalis cardinalis</i>)	Winters CP, Jawor JP The University of Southern Mississippi
	108	B	Changes in the sex roles and reproductive success in response to the operational sex ratio	O'Rourke CF, Mendelson TC University of Maryland in Baltimore County
	109	B	The effect of male conspecific condition on sperm investment in voles	Vaughn AA, delBarco-Trillo J, Ferkin MH The University of Memphis
	110	B	Is Variation in Maternal Testosterone Allocation in House Wren Eggs Related to Perceived Male Quality?	Johnson JM, Getty, T Michigan State University
	111	B	Why do house sparrows divorce so infrequently during the breeding season?	Schwagmeyer, PL University of Oklahoma
	112	B	Use of wireless smart tags to monitor lek visitation by female long tailed manakins (<i>Chiroxiphia linearis</i>)	Burt J, Otis, B, Mennell D, Doucet S, Maynard D, Ward K University of Washington
	113	B	Paternal infanticide in the socially monogamous Bolivian gray titi monkey, <i>Callicebus donacophilus</i>	Dingess KA, Gareca YC, Clink D Indiana University
	114	B	Winner and loser effects in stalk-eyed flies (Diopsidae)	EGge AR, Swallow JG University of South Dakota
	115	B	Do color-mediated male-male interactions act as a diversifying force in the <i>Mbuna</i> cichlids?	Mellor DT, Tsiattalos AS, Sorenson AE, Jordan RC Rutgers University

Poster Sessions

Poster Session C

Presentations: Wednesday 28 July

Session C Posters must be put up before the morning break on Wednesday July 28.
Presenters should stand by their 'C' posters from 7pm to 9pm on Wednesday July 28.
'C' posters must be removed before 6 pm on Thursday July 29.*

ECOLOGICAL EFFECTS (1C TO 9C)

	1	C	Fruit colors as a basis of consumption by a trichromatic Neotropical primate	Pinto BL , Setz EZF	Pontificia Universidade Católica de Campinas
	2	C	Military base growth in Afghanistan: lack of the scorpion <i>Mesobuthus spp.</i>	Stewart AK	St. Lawrence University
	3	C	Response of immature mosquitoes to background color, pattern and texture in aquatic habitats.	Waller D , Bucci D, Johnson A, Mercer M	Old Dominion University
	4	C	Effects of larval density on growth in <i>Battus philenor</i>	Lillo MJ , Pegram KV, Rutowski RL	Arizona State University
	5	C	The effects of demography and environment on pairing behaviors in the socially monogamous mantis shrimps, <i>Pullosquilla litoralis</i> and <i>P. thomassini</i>	Wright ML , Caldwell RL	University of California Berkeley
	6	C	Interactions between site, parental behavior, and endocrinology in eastern bluebirds	Reeves S , Drexel A, Jones A, Turner A, Urban K, Kell J, Guinan J, Davis J	Radford University
	7	C	The role of dietary toughness for juvenile Phayre's leaf monkeys	Ossi-Lupo K , Koenig A	Stony Brook University
	8	C	Behavioral syndromes, predation, and dispersal in invasive mosquitofish	Fogarty S , Cote J, Sih A	University of California Davis
G	9	C	Impact of acanthocephalan parasites on aggregation behavior in amphipods (<i>Gammarus pseudolimnaeus</i>)	Todd R , Lewis SE, Sturdy T, Weigl C	Carroll University

PARENTAL CARE (10C TO 20C)

	10	C	Why do offspring beg?	Mock D , Dugas M, Strickler SA	University of Oklahoma
	11	C	Female red-winged blackbird responses to brood-parasitic brown-headed cowbird nestlings	Yasukawa K , Johannes A, Berrios H, Fix P	Beloit College
	12	C	Within-litter variance in rat maternal behavior predicts offspring variance	Ragan CM , Loken E, Cavigelli SA	The Pennsylvania State University
	13	C	How density affects brood ball kleptoparasitism in the dung beetle, <i>Onthophagus taurus</i>	Crowe M , Raspet E, Rushing S, Rychtar J	University of North Carolina at Greensboro
	14	C	Personality and plasticity in parental care and its effect on offspring	Wetzel WP , Westneat DF	University of Kentucky
	15	C	Fitness consequences of nest architecture preferences in convict cichlid	Gross A , Hilber S, Mentzer H, St. Mary C	University of Florida
	16	C	Bottlenose dolphin mother and calf ego networks during separations	Stanton M , Gibson QA, Mann J	Georgetown University
	17	C	Parent-offspring recognition in cave swallows	Strickler SA	University of Oklahoma
	18	C	Cannibalism and avoidance of filial cannibalism in two amphipod species	Lewis SE , Lagerstrom EK	Carroll University
	19	C	Is aggression by a parental female toward conspecifics also mate defense?	Hilber SA , Hersey K, St. Mary C	University of Florida
	20	C	Male presence makes experience a non-factor for female parental care	Wilkerson A , Snyder C, Santangelo N	Eastern Kentucky University

COMMUNICATION (21C TO 49C)

	21	C	Syntactical patterns of vocal mimicry reflect taxonomy of imitated species	Gammon DE , Altizer CE	Elon University
	22	C	Floral complexity and bee foraging: A test of the efficacy backup hypothesis	Kaczorowski R , Leonard A, Dornhaus A, Papaj D	University of Arizona
	23	C	Winter food limits molt, providing an honest signal in a migratory sparrow	Danner RM , Greenberg R, Walters JR	Smithsonian Migratory Bird Center
	24	C	Effects of mercury on male song in Nelson's sparrows (<i>Ammodramus nelsoni</i>)	McKay JL , Maher CR	University of Southern Maine
G	25	C	Social experience and behavioral development of male house sparrows	Branch CL , Freeberg TM	University of Tennessee
	26	C	Traffic noise and occupancy patterns of forest birds	Goodwin SE , Shriver WG	University of Massachusetts, Amherst

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COMMUNICATION (21C TO 49C)--continued					
	27	C	Effects of natural and anthropogenic noise on communication and mating success in wolf spiders	Gordon SD, Uetz GW	University of Cincinnati
	28	C	Sexual dimorphism of directional hearing in a katydid with duetting communication	Mohsin A, Schul J	University of Missouri
	29	C	Song modification and use of a novel call predict aggressive behavior in the veery	Belinsky KL, Krieg CA, Schmidt KA	Texas Tech University
	30	C	Signal jamming during mate localization in a treehopper	Marting P, Cocroft RB	University of Missouri - Columbia
	31	C	Eavesdropping on Secret Visual Signals	Brandley NC, Johnsen S	Duke University Biology Department
	32	C	The neuroethology of bat detection in complex auditory scenes	Hediger LD, Schul J	University of Missouri
	33	C	Androgens modulate song effort in Neotropical singing mice	Pasch B, George AS, Hamlin HJ, Guillette LJ, Phelps SM	University of Florida
	34	C	Reproductive strategies and vocal behaviour of a duetting tropical songbird	Douglas SB, Daniel J. Mennill	University of Windsor
	35	C	Interactions between migrating and breeding common yellowthroats, <i>Geothlypis trichas</i>	Bolus RT, Hatch MI, Smith RJ	University of Massachusetts Amherst
	36	C	Influence of ecological context on benefits of communication in honey bees	Donaldson-Matasci M, Anna Dornhaus	University of Arizona
	37	C	Does the waggle-dance pheromone stimulate experienced forager bees to visit known food sources?	Gilley DC, Frederick K	William Paterson University
COMMUNICATION (21C TO 49C)--continued					
	38	C	Behavioral test of complex signal rules using gray treefrogs, <i>Hyla versicolor</i> and <i>H. chrysoscelis</i>	Henderson JJ, Gerhardt HC	University of Missouri
	39	C	Effort allocation of signals in multimodal displays of the blue-black grassquit	Manica LT, Manara M, Sicsu PR, Podos J, Macedo RHF	Universidade de Brasília
	40	C	Male-male duets and mate attraction in a lekking tropical manakin	Maynard DF, Ward K-AA, Doucet SM, Burt JM, Mennill DJ	University of Windsor
	41	C	Response to chemical cues in male and female <i>Schizocosa ocreata</i> wolf spiders	Orton AP, Uetz GW	University of Cincinnati
	42	C	Female manakin mate searching strategies revealed by a novel tracking system	Ward K-AA, Maynard DF, Mennill DJ, Burt JM, Doucet SM	University of Windsor
	43	C	Vocal performance and aggressive responses in male swamp sparrows (<i>Melospiza georgiana</i>)	Moseley DL, Lahti DC, Podos J	University of Massachusetts Amherst
	44	C	Predator stimuli and calling behavior of Parid and nuthatch species	Bartmess-LeVasseur J, Branch CL, Browning SA, Owens JL, Freeberg TM	The University of Tennessee, Knoxville
	45	C	Investigating a chirp-like signal in the weakly electric fish <i>Steatogenys</i>	Field CE, Braun CB	CUNY Graduate Center
	46	C	How do <i>Ctenomys pearsoni</i> (Rodentia) females react to male vocalizations?	Francescoli G	Seccion Etologia. Facultad de Ciencias. Montevideo, Uruguay
	47	C	Meadow voles differ sexually in responses to hetero/conspecific over-marks	Vlautin CT, Hobbs N, Ferkin MH	University of Memphis
	48	C	Sons learn songs from their father in a cooperatively breeding bird	Greig EI, Taft BN, Pruett-Jones S	University of Chicago
	49	C	Interpreting the calls of the American Crow: a new analytical tool	Mates EA, Ha JC	University of Washington
GENETICS & EVOLUTION (50C TO 59C)					
	50	C	Phylogenetic comparative analysis of courtship behavior in funnel-web spiders	Galasso AB, Riechert SE	University of Tennessee Knoxville
	51	C	The role of isolation and ecology in the evolution of Rufous-naped Wren songs	Sosa-Lopez JR, Navarro-Siguenza AG	University of Windsor
	52	C	Investigating reproductive isolating mechanisms of ecological speciation in swamp sparrows	Ballentine B., Greenberg R	Smithsonian Institution
	53	C	Genes, urban lifestyles and wanderer phenotypes in American crows	Clark AB, Vilar M, Townsend A, Lum K, McGowan KJ	Binghamton University
	54	C	Heterozygosity and fitness in the red-backed fairy-wren	Ramos CWV, Crilly SM, Webster MS	Washington State University
	55	C	Phylogenetic analysis of defense characters in conifer sawflies (Hymenoptera: Diprionidae)	Bagley RK, Codella SG	Kean University
	56	C	Does behavior constrain morphological evolution in stickleback?	Baker JA, Feinman S, Foster SA	Clark University

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GENETICS & EVOLUTION (50C TO 59C)--continued					
	57	C	The visual sensory ecology of hosts of vocal-mimetic brood parasites	Aidala Z, Hauber ME	The City University of New York
	58	C	The declining use of phylogenies in animal behavior studies	Price JJ, Clapp MK, Omland KE	St. Mary's College of Maryland
	59	C	Evolution of task-based division of labor	Goldsby HJ, Ofria C	Michigan State University
NEURO/ ENDOCRINE/ PHYSIOLOGICAL MECHANISMS (60C TO 71C)					
	60	C	Preference for sucrose concentration among floral cues in the <i>Proctolaelaps kirmsei</i>	Sanchez ME, Chably L	University of Missouri-St. Louis
	61	C	Mechano- and chemo-sensory mediation of sucker coordination in octopus	Nair S, Barocas J, Grasso FW	Brooklyn College
	62	C	The dear enemy effect and testosterone in green anole lizards	Lovern MB, Fry CA	Oklahoma State University
	63	C	Hair as a retrospective calendar of cortisol in wild and captive primates	Fourie NH, Bernstein RM	The George Washington University
	64	C	Sex differences in temperament's relationship to plasma neuropeptides in rhesus monkeys <i>Macaca mulatta</i>	Weinstein TAR, Bales KL, Capitanio JP	Simpson College
	65	C	Characterization of sickness behavior and its molecular basis in house finches (<i>Carpodacus mexicanus</i>)	Gonzales, N, Dalloul RA, Hawley DM	Virginia Polytechnic Institute and State University
	66	C	Are photoperiodic non-responsive white-footed mice reproductively viable in short days?	Tidhar WL, Sharp K, Heideman PD	College of William and Mary
	67	C	Magnetic stimulation of statocysts in the fiddler crab, <i>Uca pugilator</i>	Ebie JD, Layne JE	University of Cincinnati
	68	C	Genetic variation influences testosterone level in male baboons, <i>Papio</i> sp.	Califf J, Rogers J, Gesquiere L, Jolly, CJ	New York University and New York Consortium in Evolutionary Primatology
	69	C	Effect of male-female interaction on the outcome of male fights in golden hamsters	Fernandez-Vargas M, Dulak DA, Johnston RE	Cornell University
	70	C	The costs of social dominance in wild-living male yellow baboons	Gesquiere LR, Onyango PO, Alberts SC, Altmann J	Princeton University
	71	C	Effect of Melatonin & PCPA on immuno-testicular status of <i>Lonchura punctulata</i>	Madhok M, Dubey S	U.P. Autonomous College
MATING/BREEDING SYSTEMS (72C TO 87C)					
	72	C	Effects of nutritional stress on sexual behavior of PPE female meadow voles	Sabau SM, Ferkin MH	University of Memphis
	73	C	Behavioral isolation based on visual signals in <i>Etheostoma</i>	Williams TH, Mendelson TC	University of Maryland Baltimore County
	74	C	Annual patterns of nest construction in an invasive parrot in Brooklyn	Supan A, Grasso FW	Brooklyn College, CUNY
	75	C	Correlates of nest site selection by an invasive parrot species in Brooklyn	Tortorici JL, Grasso FW	Brooklyn College, The City University of New York
	76	C	Distributional shifts of breeding birds in Ontario, Canada	Greenlee ES, Hamilton IM	The Ohio State University
	77	C	The use of accelerometers to produce fine-scale ethograms for free-living sharks.	Whitney NM, Pratt H, Pratt Y, Carrier J	Mote Marine Laboratory
	78	C	Female prairie voles prefer males with longer <i>avpr1a</i> microsatellites.	Castelli FR, Kelley R, Keane B, Solomon NG	Cornell University
	79	C	The effects of water supplementation on reproductive success in bean beetles (<i>Callosobruchus maculatus</i>)	Vondrasek JR, Gunter S, Roddy S	Piedmont Virginia Community College
	80	C	Variable risk-taking behavior by males of a sexually cannibalistic praying mantis	Brown WD, Muntz G	State University of New York at Fredonia
	81	C	Carotenoid allocation strategies in a reverse sexually dimorphic species	Brown AC, McGraw K, Clotfelter E	University of Massachusetts Amherst
	82	C	Immune activation reduces agonistic success in the field cricket <i>Gryllus texensis</i>	Fairn ER, Adamo SA	Dalhousie University
	83	C	Variation in female home range size in lekking lance-tailed manakins	Lantz SM, DuVal EH	Florida State University
	84	C	Interactions between investment in early and late life sexual signals	Rosenthal M, Hebets E	University of Nebraska-Lincoln
	85	C	Individual traits and pair identity influence extra-pair paternity in the dark-eyed junco	Gerlach NM, Parker PG, Ketterson ED	Indiana University - Bloomington
	86	C	Pregnant males and competing females: Comparative mating behavior of two polygamous species of syngnathids	Scobell SK, Rosenthal GG, Jones AG	Texas A&M University

Poster Sessions

MATING/BREEDING SYSTEMS (72C TO 87C)--continued			
87	C	Year-round nest maintenance varies with mating cycle in invasive parrot	Petersen CL, Grasso FW CUNY Brooklyn College
SOCIAL BEHAVIOR (88C TO 112C)			
88	C	Social familiarity and boldness in the eastern mosquitofish	Brackenridge P-L, Godin J-GJ Carleton University
89	C	A network analysis approach to exploring social structure as it relates to the ecology of African ungulates.	Carpenter LD, Ottinger MA, Penfold L, Thompson K University of Maryland, College Park
90	C	Lateralization in response to social stimuli in a cooperatively breeding cichlid fish	Reddon AR, Balshine S McMaster University
91	C	Role of elephant matriarchs in Addo Elephant National Park, South Africa	Freeman EW, Meyer JM, Shelby L, Schulte BA, Brown JL George Mason University
92	C	The species richness, densities, and site fidelity of the cave-dwelling bats at DCSNA in Montgomery Co., TN	Kurz ME, Barrass AN Austin Peay State University Center of Excellence for Field Biology
93	C	Neophobia in Suburbia: Effects of Neophobia in the American Crow (<i>Corvus brachyrhynchos</i>)	Brown YM, Clark AB Binghamton University
94	C	Spatial analysis of inter- and intra-group <i>Lemur catta</i> behaviors with local ecological resources	Hollar D University of North Carolina at Chapel Hill
95	C	Reproductive suppression in woodchucks (<i>Marmota monax</i>)	Maher CR Biology, University of Southern Maine
96	C	Connecting the dots: Detecting sociality in forest elephants	Manka SG, Eggert LS University of Missouri-Columbia
97	C	Dynamic landscape partitioning among baboon social groups	Markham AC, Guttal V, Alberts SC, Altmann J Princeton University
98	C	Function and mechanism of worker size polymorphism in bumble bees (<i>Bombus impatiens</i>)	Dornhaus A University of Arizona
99	C	Individual social variation associated with condition and reproductive success in a wild social rodent	Wey TW, Blumstein DT University of California, Los Angeles
100	C	Relationship between sex, species, and temperament in three macaque species	Sussman AF, Ha JC, Bentson KL, Crockett CM University of Washington
101	C	A theory for integrating proximate and ultimate causation of behavior	Akçay E, Van Cleve J National Institute for Mathematical and Biological Synthesis (NIMBioS)
102	C	Ultrasonic vocalizations in a monogamous mouse based on male testosterone in courtship	Pultorak JD, Kalcounis-Rueppell MC, Fuxjager MJ, Marler CA University of Wisconsin - Madison
103	C	Social behavior in the herbivorous ant-acacia jumping spider, <i>Bagheera kiplingi</i>	Curry RL, Meehan CJ, Scully E Villanova University
104	C	Diet and feeding behavior in passerines of the Tibetan plateau	Jones AC, Davis JE, Lei F, Foltz S, Wingfield JC Radford University
105	C	Influence of ecological and social factors on group dynamics in sheep	Kulahci IG, Habiba C, Barale C, Sulo R, Rubenstein DI Princeton University
106	C	Does the currency of social information influence foraging decisions?	Lindstedt ER, Hamilton IM The Ohio State University
107	C	Food abundance and group foraging in a California orb weaving spider	Tiemeier M, Uetz GW University of Cincinnati
108	C	Reconciling battlefront stability despite unequal fighting ability in a sea anemone	D'Orazio AE The Ohio State University
109	C	The effects of resource payoff value on female contests in the convict cichlid	Cotrone MC, Draud MJ Long Island University - CW Post
110	C	Analysis of a lance-tailed manakin (<i>Chiroxiphia lanceolata</i>) social network	Jones MA, DuVal EH Florida State University
111	C	Contest experience and behavior syndromes in <i>Kryptolebias marmoratus</i>	Chang C, Hsu Y National Taiwan Normal University
112	C	Social insect networks are not "social networks"	Fewell JH, Waters JS Arizona State University