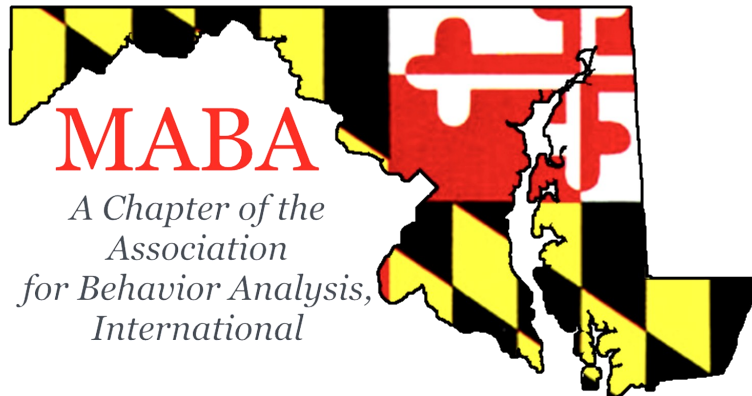


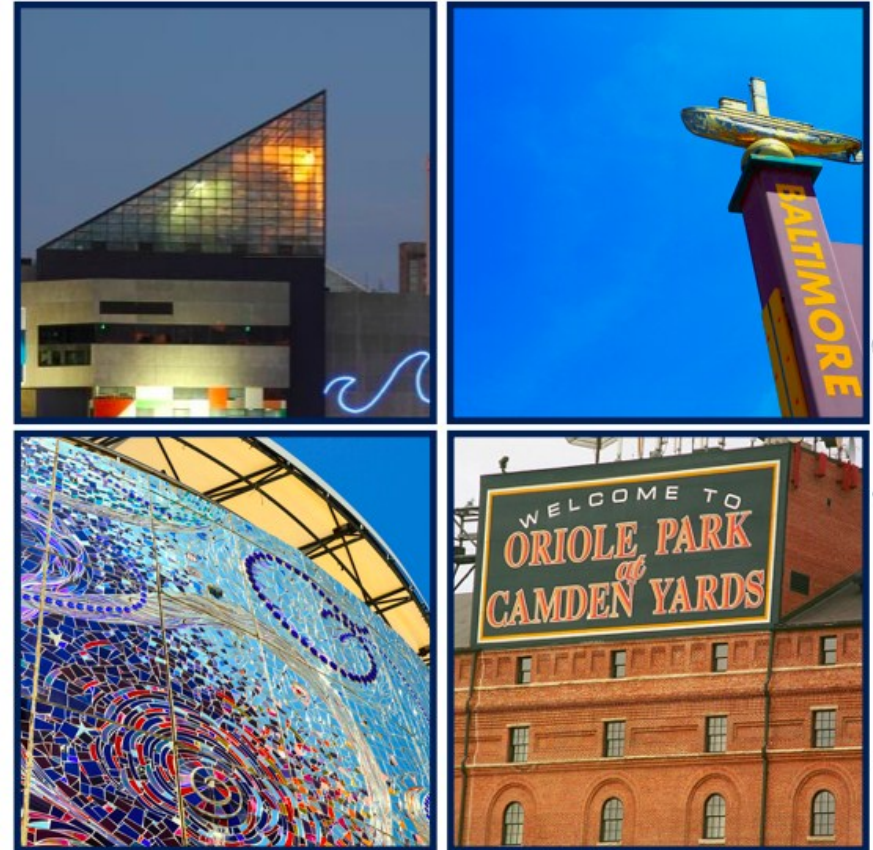
EXECUTIVE COMMITTEE

PRESIDENT	2012 – 2015
Sigurdur Sigurdsson, Ph.D.	
PRESIDENT ELECT	2013 – 2016
Jennifer Zarcone, Ph.D., BCBA-D	
MEMBER-AT-LARGE	2014 – 2016
John C. Borrero, Ph.D., BCBA-D	
MEMBER-AT-LARGE	2012 – 2014
Ethan Long, Ph.D, BCBA-D	
STUDENT REPRESENTATIVE	2013 – 2014
Dan Clark, M.A.	
CO-DIRECTORS	
Carrie S. W. Borrero, Ph.D., BCBA-D Kennedy Krieger Institute	
Nicole Hausman, Ph.D., BCBA-D Kennedy Krieger Institute	

MARYLAND ASSOCIATION FOR BEHAVIOR ANALYSIS



Maryland Association for Behavior Analysis



Baltimore Marriot Inner Harbor @ Camden Yards

17th Annual Meeting—Friday November 21, 2014

FEATURED SPEAKERS

AUBREY C. DANIELS, PH.D.

Aubrey Daniels International

LOUIS P. HAGOPIAN, PH.D., BCBA-D

Kennedy Krieger Institute & The Johns Hopkins University School of Medicine

CHRIS NEWLAND, PH.D.

Auburn University

AMY ODUM, PH.D.

Utah State University

DEREK D. REED, PH.D., BCBA-D

University of Kansas

SCHEDULE OF EVENTS*West* DEF**7:30 Registration & Continental Breakfast****8:30 Welcome Address****Jennifer Zarcone, Ph.D., BCBA-D****In Memoriam: Donald K. Pumroy, Ph.D., ABPP (CL)
Judy Blumenthal, Ph.D. & Roger McIntire, Ph.D.****9:00 Invited Address *BACB*APA*****Aubrey C. Daniels, Ph.D., *Aubrey Daniels International*****Introduced by: Lauren Belmonte, *UMBC*****Title: The Challenges of Behavior in a Rapidly Changing
World**

Abstract: The world is changing fast. New products and services are on the market before we can master the old ones. The rate will not slow into the foreseeable future. How will this affect behavior? What knowledge of behavior do the developers of the new technology have? How will it impact behavior? Will technology trump behavior? Will they ask behavior analysts for advice? Behavior analysis is a powerful technology that has shown positive effects in the widest range of human activities and conditions. Why then is it not more popular and well understood by the general population? Could it be that results are not enough? In this session I will try to answer those questions.

Dr. Aubrey C. Daniels received his doctorate from the University of Florida, and is the world's foremost authority on applying the scientifically-proven laws of human behavior to the workplace. With business and industry confronting complex new challenges—from ethics to high turnover to outsourcing—Daniels helps the world's leading organizations employ the timeless principles of behavioral science to re-energize the

THANK YOU TO OUR SPONSORS**Kennedy Krieger Institute****UNLOCKING POTENTIAL**

POSTER SESSION

East ABC

11. **Lori B. Vincent**, Jennifer M. Asmus, Gregory L. Lyons, Tiffany L. Born, Vanessa Schwartz, & Megan Willes. Social Skills Training for Children with ASD: Examining Naturalistic Teaching Procedures in Analog School Settings. (*Kennedy Krieger Institute, University of Wisconsin-Madison, May Institute*)
12. **Shari M. Pincus**, Griffin W. Rooker, Jennifer Zarcone, & Louis P. Hagopian. Prediction of Treatment Efficacy Through Evaluation of the Functional Analysis Control Condition. (*Kennedy Krieger Institute, UMBC, Johns Hopkins University School of Medicine*)
13. **Phillip M. Orchowicz**, Griffin W. Rooker, Jonathan D. Schmidt, Patricia Kurtz, & Louis P. Hagopian. On the Relation Between Adaptive Functioning and Behavior Disorders. (*Kennedy Krieger Institute, UMBC, Johns Hopkins University School of Medicine*)
14. **Jessica D. Garcia**, Cara Phillips, Jennifer Zarcone, Aila Dommestrup, & Meghan Deshais. Assessment of Response Blocking as a Positive Reinforcer in Children with Intellectual Disabilities. (*Kennedy Krieger Institute & Johns Hopkins University School of Medicine*)
15. Cara Phillips, Griffin Rooker, **Julia A. Iannaccone**, & Louis P. Hagopian. Noncontingent Reinforcement for the Treatment of Severe Problem Behavior: A Consecutive Case Analysis of 28 Applications. (*Kennedy Krieger Institute & Johns Hopkins University School of Medicine*)
16. **Mariana Torres-Viso**, Ashley Carver, Brionn Johnson, Craig Strohmeier, & Jennifer Zarcone. Assessment and Treatment of Denied Mands Related to Rearrangement and Body Positioning. (*Kennedy Krieger Institute & Johns Hopkins University School of Medicine*)
17. **Kathleen O'Brien**. Using Rates of Tracked Maladaptive Behaviors to Determine Preference for Augmentative and Alternative Communication Software for an Individual with Developmental Disabilities. (*Bancroft*)

Reception

SCHEDULE OF EVENTS

West DEF

workplace, optimize performance and achieve lasting results. Daniels is the author of six best-selling books widely recognized as international management classics including: ***Bringing out the Best in People: How to Apply the Astonishing Power of Positive Reinforcement***; ***Performance Management: Changing Behavior That Drives Organizational Effectiveness***, and ***Other People's Habits and Measure of a Leader*** with James E. Daniels. Look for his book, ***Oops! 13 Management Practices that Waste Time and Money (and what to do instead)***, and his current release ***Safe by Accident? Take the Luck out of Safety*** co-authored with Judy Agnew, Ph.D. A passionate thought leader and an internationally recognized expert on management, leadership, and workplace issues, Daniels has been featured in *USA Today*, *The Wall Street Journal*, *The New York Times*, *The Washington Post*, *Fortune*, CNN, CNBC, and Investor's Business Daily. Daniels is a member of the Board of Trustees of Brewton-Parker College, the Board of Directors of the Cambridge Center for Behavioral Studies, an Associate of Harvard University's John F. Kennedy School of Government, and a visiting professor at Florida State. His numerous awards include the Lifetime Achievement Award from the Organizational Behavior Management Network and the Outstanding Service Award from the Association of Behavior Analysis International, which also named him a 2005 Fellow.

10:00 Invited Address *BACB*APA*

Chris Newland, Ph.D., Auburn University

Introduced by: Anthony Concepción, UMBC

Title: How Drugs Work: Behavioral and Pharmacological Mechanisms of Action

Abstract: Behavioral pharmacology has a long history of investigating both behavioral and pharmacological mechanisms by which drugs act. An understanding of these mechanisms is applicable to drugs used in clinical settings. The role of the receptor in understanding drug actions is widely appreciated

SCHEDULE OF EVENTS*West* DEF

and pertinent to many clinical effects. This will be reviewed briefly. The modification of drug actions through behavioral mechanisms is less well-appreciated but this crucial aspect of drug effects can be important and will be emphasized in this presentation. Among behavioral mechanisms discussed will be the role of stimulus control in modifying drug effects, anti-punishment effects of sedative-hypnotics, the impact of neuroleptics on behavior maintained by negative reinforcement, and environmental modifiers of stimulant effects on impulsivity.

Dr. Chris Newland conducts research on the behavioral effects of drugs and environmental contaminants, including topics such as reinforcement processes, choice, the acquisition of new behavior and its persistence. He has worked with numerous species, including freshwater fish, mice, rats, nonhuman primates, and humans and has conducted comparative studies among some strains or species. More to the point for the present talk, he teaches behavioral pharmacology in the Auburn University Master's Program in Applied Behavior Analysis. His involvement with applied behavior analysis program has given him an appreciation of how observations, some classic and others newer, from the behavioral pharmacology laboratory might be applicable in the clinic.

11:00 Update on Licensure in Maryland

John C. Borrero, Ph.D., BCBA-D

11:15 MABA Student Paper Symposium *BACB*

Introduced by: John C. Borrero, Ph.D., BCBA-D, UMBC

Jessica L. Becraft, M.A., BCBA, UMBC

Title: A Comparison of Differential Reinforcement of Low Rates Arrangement With and Without Discriminative Stimuli: A Translational Approach

POSTER SESSION*East* ABC**4:30 – 6:30 Poster Session**

1. **Ashley Carver**, Samantha Hardesty, Monica Lugo, & Lynn G. Bowman. A Functional Analysis of Dangerous Climbing. (*Kennedy Krieger Institute & UMBC*)
2. **Monica Lugo**, Samantha Hardesty, Ashley Carver, & Lynn G. Bowman. Increasing In-Seat Behavior of a Child with Autism Who Exhibits Stereotypic Behavior. (*Kennedy Krieger Institute, UMBC, Johns Hopkins University School of Medicine*)
3. **David W. Sottile**, Anthony DeFulio, & Kenneth Silverman. A Therapeutic Workplace for Women Arrested for Prostitution. (*Johns Hopkins University School of Medicine*)
4. **August F. Holtyn**, Anthony DeFulio, & Kenneth Silverman. The Sequential Administration of Drug Abstinence Contingencies: A Method to Promote Polydrug Abstinence. (*Johns Hopkins University School of Medicine*)
5. Alison M. Kozlowski, **Denise Dieter**, Evan Raines, Tessa Taylor, & Peter A. Girolami. The Impact of Liquid Preference in the Treatment of Liquid Refusal. (*Kennedy Krieger Institute & Johns Hopkins University School of Medicine*).
6. Vivian F. Ibanez, Carrie S. W. Borrero, **Amanda Rill**, & John C. Borrero. Descriptive Analyses of Emesis, Gagging, and Coughing During Caregiver-Conducted Meals. (*Kennedy Krieger Institute, UMBC, Johns Hopkins University School of Medicine*)
7. Emily Kate Rubio & **Natalie Juhlin**. Using Backward Chaining to Teach Self-Feeding. (*Kennedy Krieger Institute*).
8. **Nicole Sullivan**, Kelly Dulak, Sonam Dubal, & Lindsay Branch. Modifications to Intensive Toilet Training Protocols for Children with Autism. (*Bancroft*)
9. **Kelly Dulak**, Sonam Dubal, & Tracey L. Kettering. An Evaluation of the Relation Between Problem Behavior and Self-Restraint. (*Bancroft*)
10. **Sean Smith** & Christina Vorndran. Preliminary Assessment of the PedsQL as a Social Validity Scale for Intensive Behavioral Intervention. (*Bancroft*)

SCHEDULE OF EVENTS

West DEF

at increasing our understanding of automatic SIB with an eye toward developing more effective interventions.

Dr. Louis P. Hagopian received his Ph.D. in Clinical Psychology from Virginia Tech, and completed his Predoctoral Internship in Applied Behavior Analysis at the Kennedy Krieger Institute. He is a Board Certified Behavior Analyst and Licensed Psychologist. He is an Associate Professor of Psychiatry and Behavioral Sciences at the Johns Hopkins University School of Medicine and Program Director of the Neurobehavioral Programs at the Kennedy Krieger Institute. This includes the Neurobehavioral Unit, which provides intensive inpatient treatment for individuals with intellectual disabilities who exhibit self-injury, aggression, and other problem behavior; as well as the Neurobehavioral Outpatient programs. He has mentored dozens of predoctoral interns and postdoctoral fellows and has been involved in numerous efforts to promote applied behavior analysis to the broader scientific and clinical community. Dr. Hagopian's clinical research focused on understanding and treating problems related to intellectual and developmental disabilities. The National Institutes of Health has funded his research continuously since 2004 (through to 2018). This research crosses disciplines and seeks to understand the interaction of biological and environmental factors in individuals with intellectual and developmental disabilities. Dr. Hagopian has published his research in 21 different peer-reviewed behavioral, medical, and psychiatric journals.

SCHEDULE OF EVENTS

West DEF

Eliana Pizarro, M.A., UMBC

Title: The Role of Stimulus Presence on Spontaneous Communication by Individuals Trained in Exchange-Based Communication

12:00 Lunch on your own

1:30 Invited Address *BACB*APA*

Derek D. Reed, Ph.D., BCBA-D, University of Kansas

Introduced by: Denise Dieter, UMBC

Title: Applying Behavioral Economic Concepts to Ultraviolet Indoor Tanning Addictions

Abstract: Ultra-violet indoor tanning (UVIT) is a pervasive issue that is increasing at record rates, despite obvious and well-publicized links to skin cancer. Recent studies on UVIT have found that frequent users face difficulty quitting and report symptomatology similar to substance-related disorders, causing the medical field to begin classifying excessive UVIT use an addicting behavior. Despite calls for research, relatively little behavioral research has been aimed at determining the psychology of UVIT. This presentation reinterprets the existing dermatology literature in light of the reinforcer pathologies model of addiction. The relevancy of this model, in conjunction with the similarities between UVIT addiction and other substance-related addiction, suggests that behavioral economic research on UVIT is overdue. This presentation highlights a series of studies confirming the reinforcer pathologies model of UVIT addiction and concludes with general recommendations for applied interventions and policy decisions.

Dr. Derek Reed is a use-inspired basic researcher interested in translating findings from the operant laboratory to issues of everyday societal importance. His Applied Behavioral Economics Laboratory in the Department of Applied Behavioral Science at the University of Kansas is working to

SCHEDULE OF EVENTS

West DEF

understand the behavioral processes associated with sustainable environmental decision making, as well as the behavioral economics associated with health issues such as skin cancer detection and prevention. He has served as co-editor of the Division 25 (Behavior Analysis) *Recorder* newsletter and is Associate Editor for both *Behavior Analysis in Practice* and *The Psychological Record*, in addition to serving on the editorial board for *Journal of Applied Behavior Analysis* and *The Behavior Analyst*. Derek presently serves on the Science Board for ABAI, is President of the Mid-American Association for Behavior Analysis, and is Executive Director for the Society for the Quantitative Analyses of Behavior.

2:30 Invited Address *BACB*APA*

Amy Odum, Ph.D., *Utah State University*

Introduced by: Jessica Garcia, UMBC

Title: Delay Discounting as a Process

Abstract: Delay discounting is defined as the decrease in the value of a reward with delay to its receipt. There are a number of well-accepted procedures to measure delay discounting. But what is it, really? We will explore delay discounting at a variety of levels. At one level, Bickel and colleagues have argued that delay discounting is a trans-disease process. That is, multiple human maladies are associated with steep discounting of delayed rewards. We have argued that delay discounting may also be a personality trait. That is, steep delay discounting reflects an enduring pattern of choices that an individual makes across time and a variety of situations. Importantly, delay discounting is predictive of important health outcomes. Delay discounting is also sensitive to environmental and situational influences. Interventions show promise to decrease delay discounting to therapeutic benefit.

SCHEDULE OF EVENTS

West DEF

Dr. Amy Odum is a Professor in the Department of Psychology at Utah State University. Her research interests are in basic behavioral phenomena, such as response persistence, sensitivity to delayed outcomes, conditional discriminations, and environmental influences on drug effects. Her work has been funded by the National Institute on Drug Abuse and the National Institute of Mental Health. She completed a post-doctoral fellowship at the University of Vermont's Human Behavioral Pharmacology Laboratory after earning her Ph.D. and M.A. in Psychology, specializing in Behavior Analysis, from West Virginia University. She received a B.S. in Psychology from the University of Florida. Dr. Odum has been Associate Editor for the *Journal of the Experimental Analysis of Behavior* and President of the Society for the Experimental Analysis of Behavior and Division 25 of the American Psychological Association. She is Editor-elect of the *Journal of the Experimental Analysis of Behavior*.

3:30 Invited Address *BACB*APA*

Louis P. Hagopian, Ph.D., *BCBA-D Kennedy Krieger Institute & The Johns Hopkins University School of Medicine*

Introduced by: Julia Iannaccone, UMBC

Title: Delineating Subtypes of Self-Injurious Behavior

Abstract: Self-injurious behavior (SIB) is one of the most serious problems experienced by individuals with autism and intellectual disabilities. In most cases, functional analysis indicates that SIB is reinforced by caregiver reactions (e.g., caregiver attention). In roughly 25% of cases, however, SIB levels are unaffected by social consequences – suggesting that the behavior itself produces reinforcement through unspecified processes such as sensory stimulation. In contrast to the numerous categories of socially-maintained SIB, this category of SIB, often termed “automatic SIB,” remains a single but highly amorphous category. The current discussion will review current knowledge of SIB, and ongoing research efforts aimed