**A(nthony) Charles Catania Curriculum Vitae** August 2017

Date of Birth, New York, NY: 22 June 1936

Married: Constance Julia Britt, 10 February 1962

Children: William John, 3 February 1964

 Kenneth Charles, 5 November 1965

**Educational History**

P.S. 132, Manhattan; Bronx High School of Science, Class of 1953

A.B., Columbia College, 1957

 New York State Regents Scholarship; Phi Beta Kappa; Highest Honors with Distinction in Psychology

M.A., Columbia University, 1958

Ph.D. in Psychology, Harvard University, 1961 (March)

 National Science Foundation Fellow, 1958‑60

**Professional History**

Columbia College

 Teaching Assistant, 1956‑58

Bell Telephone Laboratories

 Research Technician (under H. M. Jenkins), Summer 1958

Harvard University

 Research Fellow in Psychology (supported by B. F. Skinner’s NSF Grant), 1960‑62

Smith Kline and French Laboratories

 Senior Pharmacologist (under L. Cook), 1962‑64

University College of Arts and Science, New York University

 Assistant Professor, 1964‑66; Associate Professor, 1966‑69; Professor and Department Chair, 1969‑73

University of Maryland, Baltimore County (UMBC)

 Professor, 1973‑2008; Program Director/CoDirector, Applied Behavior Analysis MA track, 1998-2007; Professor Emeritus, Departmental Curmudgeon, 2008-

University of Wales (formerly University College of North Wales)

 Professorial Fellow and Fulbright Senior Research Fellow, 1986‑87; Visiting Research Fellow, 1989‑

Keio University, Tokyo, Japan

 Visiting Professor, July 1992

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**PROFESSIONAL ACTIVITIES AND ORGANIZATIONS**

**Grants and Awards**

NSF Grant GB‑3614, Response independence, 1965‑67

NSF Grants GB‑43251, Varied reinforcers and choice, 1974‑76; BNS76‑09723, Maintenance of behavior: Temporal factors, 1976‑79; BNS82‑03385 and BNS85‑06724, Free‑choice versus forced-choice preference, 1982‑86; BNS86‑07517 (with E. Shimoff), Differential reinforcement along two response dimensions, 1986‑88

NIH Grants MH‑13613, Interactions in concurrent performances, 1967‑70; MH‑18506, Elicitation and learning, 1970‑73; MH‑33086, Behavior structure, 1979‑81; MH‑37256, Free‑choice preference, 1982‑83

UMBC GRA Award, Development of language function in normal children and children with behavioral disorders, 1991-92; 1992‑93

Basic Research Grant, Cambridge Center for Behavioral Studies, Reinforcement contingencies and higher-order response classes, 1992-93

Second Prize, Real Estate Board of New York Essay Contest, *What the Bill of Rights Means to Me*,1952.

British Council Fellowship, 1986

Fulbright Senior Research Fellowship (US ‑ UK); James McKeen Cattell Sabbatical Award, 1986‑87

First Prize, Fulbright British‑English and American‑English Vocabulary Competition, 1987

Outstanding Contributor to Behavior Analysis, Northern California Association for Behavior Analysis, 1990

Outstanding Scientific Contributions to Psychology Award, Maryland Psychological Association, 1993

The Don F. Hake Basic/Applied Research Award, Division 25 of the American Psychological Association, 1998

Master Lecturer, Animal Learning and Behavior, American Psychological Association, 1998

Outstanding Contribution to Training Award, Kennedy Krieger Institute, 2003

Honorary Founding Member, Icelandic Association for Behavior Analysis, Aug 2004

EAHB-SIG Distinguished Career Award, May 2008

ABAI Distinguished Service to Behavior Analysis Award, May 2010.

Murray Sidman Award for Enduring Contribution to Applied Behavior Analysis, BABAT, October 2013.

SEAB Victor G. Laties Award for Lifetime Service, May 2015.

*Russia Besieged*, Champion; *Bitter Woods*, Second Place, PrezCon, Charlottesville, VA, June 2017.

Listed in *Who’s Who in America*, *...in the World*, *...in the East*, *Encyclopedia of Psychology* (2nd ed., Wiley, 1994), and other biographical references

**Reviewing and Editing**

NIMH Small Grants Committee, Member, 1970-74

NSF‑NRC Postdoctoral Fellowship Committee, 1980

NSF Psychobiology Advisory Panel, 1982‑85

*Journal of the Experimental Analysis of Behavior*: Editor, 1966‑69; Review Editor, 1969‑76, 1983-91; Board of Editors, 1964‑66, 1977‑79, 2005-07.

*Behavioral and Brain Sciences*: Associate Editor for the Experimental Analysis of Behavior, 1980‑2008; Board of Editors, 2008- ; Co-editor (with S. Harnad), Special 1984 B. F. Skinner Issue, Behavior and the selective role of the environment. *Behavioral and Brain Sciences*, **7**, 473‑724

*Behavioral and Brain Functions* (online journal): Associate Editor, 2004-2008

*Psycoloquy* (electronic journal): Associate Editor, 1999‑2001

*Analysis of Verbal Behavior*: Board of Editors, 1985‑89; Advisory Board, 1991-96

Board of Editors: *Behaviorism*, 1972‑89; *The Behavior Analyst*, 1980‑83; 1996-99; *Behavior and Philosophy*, 2001-2008; *International Journal of Psychology and Psychological Therapy*, 2001-2008 ; *European Journal of Behavior Analysis*, 2002-2008 ; *Mexican Journal of Behavior Analysis*, 2004-2008 ; *Brazilian Journal of Behavior Analysis*, 2004-

*William S. Verplanck Glossary/Thesaurus Project (University of Akron and Cambridge Center for Behavioral Studies)*. Editor-in-Chief, 1999-

*Sloan Century Series in Behavior Analysis/Cambridge Center for Behavioral Studies*. Series Editor, 2005-

**PROFESSIONAL ACTIVITIES AND ORGANIZATIONS (continued)**

**Organizations**

*Society for the Experimental Analysis of Behavior*

 President, 1966-67, 1981‑83

 Board of Directors, 1966‑74, 1978‑86, 1987‑95, 1996-2004

 Vice-President of Society and Vice-Chair of Board, 2002-04

*American Psychological Association*

 Fellow, Divisions 3, 6, 25, 28; Distinguished Visitor Program; Board of Scientific Affairs CARE Committee, 1978‑81; Committee on Research Support, 1983

 *Division 25 (Experimental Analysis of Behavior)*: Program Co‑chair, 1976; President, 1976‑79; Executive Committee, 1981‑84; President (-Elect, Past-) 1996-98

*Eastern Psychological Association*

 Fellow; Board of Directors, 1979-82

*Association for Behavior Analysis*, Fellow

 President (-Elect, Past) 1981‑84

 Chair, Publication Board, 1991-95

 ABA Curmudgeon, 2001-2009

*European Association for Behavior Analysis*

*European Institute for the Study of Human Behavior*

 Advisory Board, 2005-

*Society for Quantitative Analyses of Behavior*, Member

*Maryland Association for Behavior Analysis*

 President-elect, President, Past-President, 2001-03

*American Psychological Society*, Charter Member and Fellow.

*Language Origins Society*

 Program Chair, 1996 Annual Meeting

 Board of Directors, 1997-98

*Cambridge Center for Behavioral Studies*

 Board of Trustees, 1999-

*Association of Professional Behavior Analysts*, Advisory Board, 2011-13

*Phi Beta Kappa*, Fellow

*Psychonomic Society*

*Sigma Xi*

*Washington Area Secular Humanists*, Board Member, 2011-14

*The Village in Howard*, Board of Directors, 2014-2016

**TEACHING**

**As Postdoctoral Fellow (1961-62)**

 Comparative Psychology; Seminar in Comparative Psychology; operant demonstrations for NatSci 114

**At New York University (1964-73)**

 Experimental Psychology I: Sensation and Perception (including laboratory)

 Experimental Psychology II: Learning and Motivation (including laboratory)

 Psychology of Learning; Statistics for Psychology; Occasional advanced seminars and graduate courses

**At University of Maryland, Baltimore County (1973-2011)**; undergraduate unless otherwise specified

 Psychology of Learning

 Seminar in Learning (both graduate and undergraduate)

 Language and Thought

 Various other courses, both graduate and undergraduate, including Introductory Psychology and student supervision in laboratory practica

**At Kennedy Krieger Institute (2010-2011)**: Technical writing workshop

**ACADEMIC SERVICE**

**University**

Blackboard Advisory Board (2006-07); Computer Policy Committee (2005-07); invited lecture/discussion for tutors (Mar 2006); Neurosciences Committee (1999-2001); Teaching, Learning and Technology Lecture (Nov 2005); IACUC Institutional Animal Care and Use Committee (1996-2001); International Committee (1999-2001); Learning Resources Center; Phi Beta Kappa, UMBC chapter

Earlier service includes Faculty P&T review Committees, P&T committees in other departments, campus-wide searches, UMBC Library Authors’ Day participations, Faculty Chess team.

**Departmental**

Human Services Psychology MA track in Applied Behavior Analysis (ABA) Committee: Founder (with M. Cataldo and W. Fisher, 1998-1999); Director and Co-Director (2000-08); in that capacity, also occasional representative to CGDA and BACB

Applied Developmental Psychology (ADP) Committee (through 2005); Behavioral Medicine Committee (through 2005); Five-Year Review of Tenured Faculty (co-chair, 2005); Graduate Committee (through 2003); Animal Care and Use Committee (through 2001, as chair and as member); Undergraduate Committee (through 2001); Colloquium Committee, as chair and as member (through 2000); Human Services Psychology (HSP) Committee (through 2006)

Promotion & Tenure and Contract Renewal Committees (various, as chair and as member)

Search Committees (various, as chair and as member, including ABA [2001-03, 2004-06] and general departmental searches)

Other service included Bylaws committee, DRIF committee, Merit Criteria committee, Space committee, 5-year plan committee, and staff searches (e.g., Animal Caretaker).

**Sponsorship of University Visitors**

Sagvolden, T. (University of Oslo, Norway). Postdoctoral fellowship, Norwegian Research Council (UMBC, 1974‑75, 1984); Fulbright Fellowship (UMBC, 1988); subsequent brief visits.

Bernstein, D. J. (University of Nebraska ‑ Lincoln). Sabbatical leave (UMBC, 1983‑84).

de Souza, D. des G., (University of Sao Carlos, Brazil). Brazilian postdoctoral fellowship (UMBC, 1984‑85).

Hayes, S. C. (University of North Carolina at Greensboro). Academic leave (UMBC, 1985‑86).

Ono, K. (Komazawa University, Tokyo, Japan). Postdoctoral Research Fellowship, (UMBC, 1985‑87); subsequent brief visits.

Presti, G. (University of Milan, Italy). Visiting fellowship, Comitato Nazionale per le Scienze Biologiche e Mediche, Italy (UMBC, Spring 1989).

Luciano, C. (University of Granada, Spain). Visiting fellowship (UMBC, Fall 1991).

Hori, K. (Saitama Medical School, Japan). Sabbatical (UMBC, 1994-95; 2007-08).

Zappulla, I. (Child Psychiatry, Italy). ABA specialization visit (Kennedy Krieger Institute, Mar-Jun 2003).

**PUBLICATIONS**

**Books**

 Catania, A. C. (Ed.) (1968). *Contemporary research in operant behavior*. Glenview, Illinois: Scott, Foresman. [Spanish edition: (1980). *Investigacion contemporanea en conducta operante* (Jorge Brash, trans.). Mexico: Editorial Trillas]

 Catania, A. C., & Brigham, T. A. (Eds.) (1978). *Handbook of applied behavior analysis: Social and instructional processes*. New York: Irvington.

 Catania, A. C. (1979). *Learning*. Englewood Cliffs, NJ: Prentice‑Hall.

 Catania, A. C. (1984). *Learning* (2nd ed.). Englewood Cliffs, NJ: Prentice‑Hall.

 Catania, A. C., & Harnad, S. (Eds.). (1988). *The selection of behavior: the operant behaviorism of B. F. Skinner*. New York: Cambridge University Press.

 Catania, A. C. (1992). *Learning* (3rd ed.). Englewood Cliffs, NJ: Prentice‑Hall.

 Catania, A. C., & Hineline, P. N. (Eds.) (1996). *Variations and selections: An anthology of reviews from the* Journal of the Experimental Analysis of Behavior. Bloomington, IN: Society for the Experimental Analysis of Behavior.

 Catania, A. C. (1998). *Learning* (4th ed.). Upper Saddle River, NJ: Prentice-Hall. [Portuguese edition: (1999) *Aprendizagem* (D. d. G. de Souza, trans.). Porto Alegre, Brazil: Editora Artes Medicas]

 Laties, V. G., & Catania, A. C. (Eds.) (1999). B. F. Skinner’s *Cumulative record* (Definitive Edition). Cambridge, MA: B. F. Skinner Foundation.

 Catania, A. C. (Ed.) (2000) *William S. Verplanck glossary/thesaurus of behavioral terms* (CD-ROM). Columbia, MD: CMS Software.

 Catania, A. C. (2006). *Learning* (Interim [4th] ed.). Cornwall-on-Hudson, NY: Sloan Publishing.

 Bailey, J., Burch, M., Catania, A. C., & Michael, J. (Eds.) (2008). *At my own pace: The autobiography of Fred S. Keller*. Cornwall-on-Hudson, NY: Sloan Publishing.

 Catania, A. C. (2013). *Learning* (5th ed.). Cornwall-on-Hudson, NY: Sloan Publishing.

 Catania, A. C. (2017). *The ABCs of behavior analysis: An introduction to behavior and learning*. Cornwall-on-Hudson, NY: Sloan Publishing.

 Catania, A. C., and Laties, V. G. (in preparation). *The evolution of a science: A brief history of behavior analysis in the twentieth century*. Cornwall-on-Hudson, NY: Sloan Publishing.

**Encyclopedia Articles**

 Catania, A. C. (1987). Instrumental conditioning. *McGraw-Hill Encyclopedia of science and technology (6th ed.), Vol. 9 (ICE-LEO),* (pp. 228-229). New York: McGraw-Hill.

 Catania, A. C. (1992). Reinforcement. In L. Squire (Ed.) *Encyclopedia of learning and memory*. (pp. 558-562). New York: Macmillan.

 Catania, A. C. (1994). Natural selection. In R. J**.** Corsini (Ed.), *Encyclopedia of psychology* (2nd ed.) (Vol. 2, pp. 452-455). NY: Wiley.

 Catania, A. C. (1999). Attenzione (Attention; in Italian). In P. Parisi et al. (Eds.) *L’Universo del Corpo, Vol II* (pp. 377-378); Analisi Sperimentale del Comportamento (Experimental Analysis of Behavior; in Italian). In P. Parisi et al. (Eds.) *L’Universo del Corpo, Vol II* (pp. 773-776). Rome: Istituto della Enciclopedia Italiana.

 Catania, A. C. (2000). Behavior analysis. In Alan E. Kazdin (Ed.), *Encyclopedia of psychology, Volume 1 ABORTI-BYSTAN* (pp. 386-388); Cumulative record. In Alan E. Kazdin (Ed.), *Encyclopedia of psychology, Volume 2 CALKIN-DETERM* (pp. 413-414); Law of Effect. In Alan E. Kazdin (Ed.), *Encyclopedia of psychology, Volume 4 GOVERN-LEARNE* (498-499). Washington, DC: American Psychological Association/New York: Oxford University Press.

 Catania, A. C. (2002). Skinner, Burrhus Frederic. *Encyclopedia of cognitive science*. London: Macmillan.

 Catania, A. C. (2008). Pavlov, Ivan; Skinner, B. F. *International Encyclopedia of the Social Sciences* (2nd ed.). New York: Macmillan. (online encyclopedia)

 Catania, A. C. (2011). Charles B. Ferster. In F. L. Volkmar (Ed.), *Encyclopedia of Autism Spectrum Disorders*. New York: Springer. (online encyclopedia)

**Chapters**

 Catania, A. C. (1966). Concurrent operants. In W. K. Honig (Ed.), *Operant behavior: Areas of research and application* (pp. 213‑270). New York: Appleton‑Century‑Crofts.

 Catania, A. C. (1970). Reinforcement schedules and psychophysical judgments: A study of some temporal properties of behavior. In W. N. Schoenfeld (Ed.), *The theory of reinforcement schedules* (pp. 1‑42). New York: Appleton-Century-Crofts.

 Catania, A. C. (1970). The concept of inhibition in the analysis of operant interactions. In *Schedule‑induced and schedule‑dependent phenomena. Vol. 2* (pp. 245‑249). Toronto: Addiction Research Foundation.

 Catania, A. C. (1971). Discriminative stimulus properties of drugs: Interpretations I. In T. Thompson & R. Pickens (Eds.), *Stimulus properties of drugs* (pp. 149‑155). New York: Appleton‑Century‑Crofts.

 Catania, A. C. (1971). Elicitation, reinforcement and stimulus control. In R. Glaser (Ed.), *The nature of reinforcement* (pp. 196‑220). New York: Academic Press.

 Catania, A. C. (1973). The nature of learning. In J. A. Nevin & G. S. Reynolds (Eds.), *The study of behavior: Learning, motivation, emotion and instinct* (pp. 31‑68). Glenview, IL: Scott, Foresman.

 Catania, A. C. (1977). Verhaltensanalyse der Sprache. (Language: A behavioral analysis, H. H. Henschen, Trans.) In H. Zeier (Ed.), *Pawlow und die Folgen* (pp. 342‑382). Zurich: Kindler Verlag.

 Catania, A. C. (1980). Operant theory: Skinner. In G. M. Gazda & R. Corsini (Eds.), *Comparative theories of learning* (pp. 135‑177). Itasca, IL: F. E. Peacock.

 Catania, A. C. (1980). Freedom of choice: A behavioral analysis. In G. H. Bower (Ed.), *The psychology of learning and motivation. Volume 14* (pp. 97‑145). New York: Academic Press.

 Catania, A. C. (1981). The flight from experimental analysis. In C. M. Bradshaw, E. Szabadi, & C. F. Lowe (Eds.), *Quantification of steady-state operant behaviour* (pp. 49‑64). Amsterdam: Elsevier/North‑Holland. Reprinted with commentaries and reply, *European Journal of Behaviour Analysis*, 2012.

 Catania, A. C., & Keller, K. J. (1981). Contingency, contiguity, correlation, and the concept of causation. In P. Harzem and M. D. Zeiler (Eds.), *Predictability, correlation, and contiguity. Advances in analysis of behaviour, Volume 2* (pp. 125‑167). Chichester: Wiley.

 Catania, A. C. (1983). Behavior analysis and behavior synthesis in the extrapolation from animal to human behavior. In G. Davey (Ed.), *Animal models of human behavior* (pp. 51‑69). Chichester: Wiley. [Reprinted in translation: Anguera, M. T., & Vea, J. J. (Eds.) (1984). *Conducta animal y representeciones mentales*. Barcelona: Promociones Publicaciones Universitarias]

 Catania, A. C. (1985). The two psychologies of learning: Blind alleys and nonsense syllables. In S. Koch & D. E. Leary (Eds.), *A century of psychology as science* (pp. 322‑335). New York: McGraw‑Hill.

 Catania, A. C. (1985). Rule‑governed behavior and the origins of language. In C. F. Lowe, M. Richelle, D. E. Blackman & C. Bradshaw (Eds.), *Behavior analysis and contemporary psychology* (pp. 135‑156). Hillsdale, NJ: Erlbaum.

 Catania, A. C., & Cerutti, D. (1986). Some nonverbal properties of verbal behavior. In T. Thompson & M. D. Zeiler (Eds.), *Analysis and integration of behavioral units* (pp. 185‑211). Hillsdale, NJ: Erlbaum.

 Catania, A. C., Shimoff, E. H., & Matthews, B. A. (1989). An experimental analysis of rule‑governed behavior. In S. C. Hayes (Ed.), *Rule‑governed behavior: Cognition, contingencies and instructional control* (pp. 119‑150). New York: Plenum.

 Catania, A. C., Matthews, B. A., & Shimoff, E. (1990). Properties of rule‑governed behaviour and their implications. In D. E. Blackman & H. Lejeune (Eds.) *Behaviour analysis in theory and practice: Contributions and controversies* (pp. 215-230). Hove & London, UK: Erlbaum.

 Catania, A. C. (1991). The phylogeny and ontogeny of language function. In N. A. Krasnegor, D. M. Rumbaugh, R. L. Schiefelbusch, & M. Studdert-Kennedy (Eds.). *Biological and behavioral determinants of language development* (pp. 263-285). Hillsdale, NJ: Erlbaum.

 Catania, A. C. (1991). Time as a variable in behavior control. In I. H. Iversen & K. A. Lattal (Eds.) *Experimental analysis of behavior. Part 2.* (pp. 1-19). Amsterdam, The Netherlands: Elsevier.

 Catania, A. C. (1991). Glossary. In I. H. Iversen & K. A. Lattal (Eds.) *Experimental analysis of behavior. Part 2.* (pp. G1-G44). Amsterdam, The Netherlands: Elsevier.

 Catania, A. C. (1994). The natural and artificial selection of verbal behavior. In Hayes, S. C., Hayes, L. J., Sato, M., & Ono, K. (Eds.) *Behavior analysis of language and cognition* (pp. 31-49). Reno, NV: Context Press.

 Catania, A. C. (1995). Selection in biology and behavior. In J. T. Todd & E. K. Morris (Eds.), *Modern perspectives on B. F. Skinner and contemporary behaviorism* (pp. 185-194). Westport, CT: Greenwood Press.

 Catania, A. C. (1996). On the origins of behavior structure. In T. R. Zentall & P. Smeets (Eds.) *Stimulus class formation in humans and animals* (pp. 3-12). Amsterdam: Elsevier.

 Shimoff, E., & Catania, A. C. (1998). The verbal governance of behavior. In K. A. Lattal & M. Perone (Eds.) *Handbook of research methods in human operant behavior* (pp. 371-404). New York: Plenum.

 Catania, A. C. (1998). The taxonomy of verbal behavior. In K. A. Lattal & M. Perone (Eds.) *Handbook of research methods in human operant behavior* (pp. 405-433). New York: Plenum.

 Catania, A. C. (2000). Ten points every behavior analyst needs to remember about reinforcement. In J. C. Leslie & D. Blackman (Eds.) *Experimental and applied analyses of human behavior* (pp. 23-37). Reno, NV: Context Press.

 Catania, A. C. (2001). Three varieties of selection and their implications for the origins of language. In G. Györi (Ed.) *Language evolution: Biological, linguistic and philosophical perspectives* (pp. 55-71)*.* New York/Bern: Peter Lang.

 Catania, A. C. (2003). Verbal governance, verbal shaping, and attention to verbal stimuli. In K. A. Lattal & P. N. Chase (Eds.), *Behavior theory and philosophy* (pp. 301-321). New York: Kluwer/Academic Press.

 Catania, A. C. (2011). Basic operant contingencies: Main effects and side effects. In Fisher, W. W., Piazza, C. C., & Roane, H. S. (Eds.). *Handbook of Applied Behavior Analysis* (pp. 34-54). New York: Guilford. (under review, 2nd ed.).

 DeLeon, I. G., Bullock, C. E., & Catania, A. C. (2013). Arranging reinforcement contingencies in applied settings: Fundamentals and implications of recent basic and applied research. In G. J. Madden (Ed.). *APA Handbook of Behavior Analysis. Volume 2: Translating Principles into Practice* (pp. 47-75). Washington, DC: American Psychological Association.

 Catania, A. C. (2017). Antecedents: How behavior analysis selected me. In R. D. Holdsambeck & H. S. Pennypacker (Eds.), *Behavioral Science: Tales of Inspiration, Discovery, and Service (Omnibus edition*, pp. 541-574; *Volume III,* pp. 89-122). Beverly, MA: Cambridge Center for Behavioral Studies.

**Journal Articles**

 Lane, H. L., Catania, A. C., & Stevens, S. S. (1961). Voice level: Autophonic scale, perceived loudness, and effects of sidetone. *Journal of the Acoustical Society of America*, **33**, 160‑167.

 Catania, A. C. (1961). Behavioral contrast in a multiple and concurrent schedule of reinforcement. *Journal of the Experimental Analysis of Behavior*, **4**, 335‑342. (based on Ph.D. dissertation: Characteristics of performances under combined multiple and concurrent scheduling of reinforcement)

 Reynolds, G. S., & Catania, A. C. (1961). Behavioral contrast with fixed-interval and low‑rate reinforcement. *Journal of the Experimental Analysis of Behavior*, **4**, 387‑391.

 Catania, A. C. (1961). Effects of component duration on multiple schedule performance. *American Psychologist*, **16**, 414. (abstract)

 Catania, A. C. (1962). Independence of concurrent responding maintained by interval schedules of reinforcement. *Journal of the Experimental Analysis of Behavior*, **5**, 175‑184.

 Reynolds, G. S., & Catania, A. C. (1962). Temporal discrimination in pigeons. *Science*, **135**, 314‑315. [Reprinted: D. A. Lieberman (Ed.) (1964). *Learning and the control of behavior* (pp. 224‑227). New York: Holt, Rinehart and Winston]

 Reynolds, G. S., Catania, A. C., & Skinner, B. F. (1963). Conditioned and unconditioned aggression. *Journal of the Experimental Analysis of Behavior*, **6**, 73‑74.

 Catania, A. C., & Cutts, D. (1963). Experimental control of superstitious responding in humans. *Journal of the Experimental Analysis of Behavior*, **6**, 203‑208.

 Catania, A. C. (1963). Concurrent performances: Reinforcement interaction and response independence. *Journal of the Experimental Analysis of Behavior*, **6**, 252‑263.

 Catania, A. C. (1963). Concurrent performances: A baseline for the study of reinforcement magnitude. *Journal of the Experimental Analysis of Behavior*, **6**, 299‑300.

 Catania, A. C. (1963). Techniques for the control of monocular and binocular viewing in the pigeon. *Journal of the Experimental Analysis of Behavior*, **6**, 627‑629.

 Catania, A. C. (1964). On the visual acuity of the pigeon. *Journal of the Experimental Analysis of Behavior*, **7**, 361‑366. [Reprinted: T. E. McGill (Ed.) (1973). *Readings in animal behavior* (2nd ed., pp. 278-282). New York: Holt, Rinehart & Winston]

 Cook, L., & Catania, A. C. (1964). Effects of drugs on avoidance and escape behavior. *Federation Proceedings*, **23**, 818‑835.

 Catania, A. C., & Gill, C. A. (1964). Inhibition and behavioral contrast. *Psychonomic Science*, **1**, 257‑258.

 Catania, A. C. (1965). Interocular transfer of discriminations in the pigeon. *Journal of the Experimental Analysis of Behavior*, **8**, 147‑155.

 Catania, A. C., Deegan, J. F., & Cook, L. (1966). Concurrent fixed‑ratio and avoidance responding in the squirrel monkey. *Journal of the Experimental Analysis of Behavior*, **9**, 227‑234.

 Catania, A. C., & Reynolds, G. S. (1968). A quantitative analysis of the behavior maintained by interval schedules of reinforcement. *Journal of the Experimental Analysis of Behavior*, **11**, 327‑383. [Excerpted in H. Rachlin (1976). *Behavior and Learning* (pp. 287‑300). San Francisco: Freeman. Listed as an Institute for Scientific Information Citation Classic; commentary in *Current Contents: Social & Behavioral Sciences*, 1980, **12** (No. 47), 16]

 Catania, A. C. (1969). Concurrent performances: Inhibition of one response by reinforcement of another. *Journal of the Experimental Analysis of Behavior*, **12**, 731‑744. [Reprinted: P. B. Dews (Ed.) (1970). *Festschrift for B. F. Skinner* (pp. 170‑183). New York: Appleton-Century-Crofts]

 Catania, A. C. (1971). Reinforcement schedules: The role of responses preceding the one that produces the reinforcer. *Journal of the Experimental Analysis of Behavior*, **15**, 271‑287.

 Catania, A. C., & Dobson, R. (1972). Concurrent performances: Rate and accuracy of free‑operant oddity responding. *Journal of the Experimental Analysis of Behavior*, **17**, 25‑35.

 Catania, A. C. (1972). Concurrent performances: Synthesizing rate constancies by manipulating contingencies for a single response. *Journal of the Experimental Analysis of Behavior*, **17**, 139‑145.

 Catania, A. C. (1972). Chomsky’s formal analysis of natural languages: A behavioral translation. *Behaviorism*, **1**, 1‑15. [Reprinted in translation: (1983). *Behavior Analysis. Volume 1, Language acquisition*. Tokyo: Kawashima Shoten]

 Catania, A. C. (1973). The psychologies of structure, function, and development. *American Psychologist*, **28**, 434‑443.

 Catania, A. C. (1973). Self‑inhibiting effects of reinforcement. *Journal of the Experimental Analysis of Behavior*, **19**, 517‑526.

 Catania, A. C. (1973). The concept of the operant in the analysis of behavior. *Behaviorism*, **1**, 103‑116.

 Catania, A. C., Silverman, P. J., & Stubbs, D. A. (1974). Concurrent performances: Stimulus‑control gradients during signalled and unsignalled schedules of concurrent reinforcement. *Journal of the Experimental Analysis of Behavior*, **21**, 99‑107.

 Catania, A. C. (1975). Freedom and knowledge: An experimental analysis of preference in pigeons. *Journal of the Experimental Analysis of Behavior*, **24**, 89‑106.

 Catania, A. C. (1975). The myth of self‑reinforcement. *Behaviorism*, **3**, 192‑199. [Also in T. A. Brigham, R. Hawkins, J. W. Scott, & T. F. McLaughlin (Eds.), *Behavior analysis in education* (pp. 39‑46). Dubuque, IA: Kendall/Hunt, 1976]

 Catania, A. C. (1975). Drug effects and concurrent performances. *Pharmacological Reviews*, **27**, 385‑394.

 Catania, A. C. (1976). Concurrent performances: Rate constancies without changeover delays. *Journal of the Experimental Analysis of Behavior*, **25**, 377‑387.

 Catania, A. C. (1976). Self‑reinforcement revisited. *Behaviorism*, **4**, 157‑162.

 Adams, C. K., Hall, D. C. Pennypacker, H. S., Goldstein, M. K., Hench, L. L., Madden, M. C., Stein, G. H., & Catania, A. C. (1976). Lump detection in simulated human breasts. *Perception and Psychophysics*, **20**, 163‑167.

 Matthews, B. A., Shimoff, E., Catania, A. C., & Sagvolden, T. (1977). Uninstructed human responding: Sensitivity to ratio and interval contingencies. *Journal of the Experimental Analysis of Behavior*, **27**, 453‑467.

 Fisher, M. A., & Catania, A. C. (1977). Autoshaping: Relation of feeder color to choice of key color. *Bulletin of the Psychonomic Society*, **9**, 439‑442.

 Catania, A. C., Matthews, T. J., Silverman, P. J., & Yohalem, R. (1977). Yoked variable‑interval and variable‑ratio responding in pigeons. *Journal of the Experimental Analysis of Behavior*, **28**, 155‑161.

 Catania, A. C. (1978). The psychology of learning: Some lessons from the Darwinian revolution. *Annals of the New York Academy of Sciences*, **309**, 18‑28.

 Catania, A. C., Yohalem, R., & Silverman, P. J. (1980). Contingency and stimulus change in chained schedules of reinforcement. *Journal of the Experimental Analysis of Behavior*, **33**, 213‑219.

 Catania, A. C., & Sagvolden, T. (1980). Preference for free choice over forced choice in pigeons. *Journal of the Experimental Analysis of Behavior*, **34**, 77‑86.

 Jans, J. E., & Catania, A. C. (1980). Short‑term remembering of discriminative stimuli in the pigeon. *Journal of the Experimental Analysis of Behavior*, **34**, 177‑183.

 Catania, A. C. (1980). Autoclitic processes and the structure of behavior. *Behaviorism*, **8**, 175‑186.

 Shimoff, E., Catania, A. C., & Matthews, B. A. (1981). Uninstructed human responding: Sensitivity of low‑rate performance to schedule contingencies. *Journal of the Experimental Analysis of Behavior*, **36**, 207-220.

 Bloom, H. S., Criswell, E. L., Pennypacker, H. S., Catania, A. C., & Adams, C. K. (1982). Major stimulus dimensions determining detection of simulated breast lesions. *Perception and Psychophysics*, **32**, 251‑260.

 Catania, A. C., Matthews, B. A., & Shimoff, E. (1982). Instructed versus shaped human verbal behavior: Interactions with nonverbal responding. *Journal of the Experimental Analysis of Behavior*, **38**, 233‑248.

 Catania, A. C., & Reich, G. M. (1982). Key area versus number of keys in the pigeon’s preference for free choice over forced‑choice: A preliminary study. *Mexican Journal of Behavior Analysis*, **8**, 127‑132.

 Catania, A. C., Owens, M., & von Lossberg, V. (1983). Autoshaping: Baseline for the study of stimulus preference. *Journal of the Experimental Analysis of Behavior*, **39**, 251‑256.

 Catania, A. C. (1984). The operant behaviorism of B. F. Skinner. *Behavioral and Brain Sciences*, **7**, 473‑475.

 Catania, A. C. (1984). Problems of selection and phylogeny, terms and methods of behaviorism. *Behavioral and Brain Sciences*, **7**, 713‑717.

 Matthews, B. A., Catania, A. C., & Shimoff, E. (1985). Effects of uninstructed verbal behavior on nonverbal responding: Contingency descriptions versus performance descriptions. *Journal of the Experimental Analysis of Behavior*, **43**, 155‑164.

 Catania, A. C. (1986). On the difference between verbal and nonverbal behavior. *The Analysis of Verbal Behavior*, **4**, 2‑9.

 Shimoff, E., Matthews, B. A., & Catania, A. C. (1986). Human operant performance: Sensitivity and pseudosensitivity to contingencies. *Journal of the Experimental Analysis of Behavior*, **46**, 149‑157.

 Cerutti, D., & Catania, A. C. (1986). Rapid determinations of preference in multiple concurrent‑chain schedules. *Journal of the Experimental Analysis of Behavior*, **46**, 211‑218.

 Catania, A. C. (1987). Some Darwinian lessons for behavior analysis. A review of Peter J. Bowler’s *The eclipse of Darwinism*. *Journal of the Experimental Analysis of Behavior*, **47**, 249‑257.

 Matthews, B. A., Shimoff, E., & Catania, A. C. (1987). Saying and doing: A contingency‑space analysis. *Journal of Applied Behavior Analysis*, **20**, 69‑74.

 Catania, A. C., Shimoff, E., and Matthews, B. A. (1987). Correspondences between definitions and procedures: A reply to Stokes, Osnes, and Guevremont. *Journal of Applied Behavior Analysis*, **20**, 401‑404.

 Catania, A. C., Sagvolden, T., & Keller, K. J. (1988). Reinforcement schedules: retroactive and proactive effects of reinforcers inserted into fixed‑interval performances. *Journal of the Experimental Analysis of Behavior*, **49**, 49‑73.

 Catania, A. C. (1988). “The Behavior of Organisms” as work in progress. *Journal of the Experimental Analysis of Behavior*, **50**, 277‑281.

 Catania, A. C., Horne, P., & Lowe, C. F. (1989). Transfer of function across members of an equivalence class. *The Analysis of Verbal Behavior*, **7**, 99‑110.

 Catania, A. C., Lowe, C. F., & Horne, P. (1990). Nonverbal behavior correlated with the shaped verbal behavior of children. *Analysis of Verbal Behavior*, **8**, 43-55.

 Catania, A. C. (1991). The gifts of culture and of eloquence: An open letter to Michael J. Mahoney in reply to his article, “Scientific psychology and radical behaviorism.” *The Behavior Analyst*, **14**, 61-72.

 Catania, A. C. (1992). B. F. Skinner, organism. *American Psychologist*, **47**, 1521-1530.

 Catania, A. C. (1993). The unconventional philosophy of science of behavior analysis. *Journal of the Experimental Analysis of Behavior*, **60**, 449-452.

 Catania, A. C. (1993). Coming to terms with establishing operations. *Behavior Analyst*, **16**, 219-224.

 Catania, A. C. (1993). What John B. Watson left out of his behaviorism. *Mexican Journal of Behavior Analysis*, **19**, 133-146*.*

 Shimoff, E., & Catania, A. C. (1995). Using computers to teach behavior analysis. *Behavior Analyst*, 18, 307‑316.

 Catania, A. C. (1995). Higher-order behavior classes: Contingencies, beliefs, and verbal behavior. *Journal of Behavior Therapy and Experimental Psychiatry*, **26**, 191-200.

 Catania, A. C. (1996). Natural contingencies in the creation of naming as a higher-order behavior class. *Journal of the Experimental Analysis of Behavior*, **65**, 276-279.

 Catania, A. C. (1996). Remembering Nat Schoenfeld. *Division 25 Recorder*, **31**(3), 9-11. [Revised & expanded (1997), *The Behavior Analyst*, **20**, 31-36; revised (1997), *Mexican Journal of Behavior Analysis*, **23**, 97‑102]

 Catania, A. C., & Hineline, P. N. (1996). Postscript to An anthology of reviews. *Journal of the Experimental Analysis of Behavior*, **65**, 663‑666.

 Cerutti, D., & Catania, A. C. (1997). Free‑choice preference in pigeons: Key number versus key area. *Journal of the Experimental Analysis of Behavior*, **68**, 349-356.

 Catania, A. C. (1997). An orderly arrangement of well-known facts: Retrospective review of B. F. Skinner’s Verbal behavior. *Contemporary Psychology*, **42**, 967-970. [Reprinted, 2008, *International Journal of Psychology and Psychological Therapy*]

 Catania, A. C., & Shimoff, E. (1998). The experimental analysis of verbal behavior. *Analysis of Verbal Behavior*, **15**, 97-100.

 Catania, A. C. (1999). Thorndike’s legacy: Learning, selection, and the law of effect. *Journal of the Experimental Analysis of Behavior*, **72**, 425-428.

 Catania, A. C., & Laties, V. G. (1999). Pavlov and Skinner: Two lives in science: An introduction to B. F. Skinner’s paper, “Some responses to the stimulus ‘Pavlov’” (in Russian; tr. T. Chernigovskaya). *Russian Journal of Physiology* (Pavlov Sesquicentennial issue), **85**, 1307-1313.[Parallel publication in English in *Journal of the Experimental Analysis of Behavior*, **72**, 455-461]

 Catania, A. C., Ono, K., & de Souza, D. (2000). Sources of novel behavior: Stimulus control arranged for different response dimensions. *European Journal of Behavior Analysis*, **1**, 23-32.

 Catania, A. C. (2000, May). O doborze kulturowym (Selectionism in the new century). *Charaktery*, **40**(5), 42-43. (in Polish; see also *General Psychologist*, Spring 2001)

 Catania, A. C. (2000, 18 Mar) From behavior to brain and back again: Review of Orbach on Lashley-Hebb. *Psycoloquy (psyc.00.11.027.lashley-hebb.14.catania, 890 lines).*

Catania, A. C., DeLeon, I. G, & Cataldo, M. F. (2001). A master’s program in applied behavior analysis: Contingencies for initiation and maintenance. *Behavior Analysis Today*, **1**(4), 58-63.

 Catania, A. C. (2001, Spring). Selectionism in the new century. *General Psychologist*, **36**(1), 6-7.

 Catania, A. C. (2001). Three types of selection and three centuries. *International Journal of Psychology and Psychological Therapy,* **1**, 1-10.

 Catania, A. C. (2001). The roles of responses and stimuli in functional equivalence. *European Journal of Behavior Analysis*, **2**, 42-45.

Shimoff, E., & Catania, A. C. (2001). Effects of recording attendance on grades in introductory psychology. *Teaching of Psychology*, **28**, 192-195*.*

 Catania, A. C. (2002). The verbal behavior of Ullin T. Place. *European Journal of Behavior Analysis*, **3**, 1-5.

 Catania, A. C. (2002). The watershed years of 1958-1962 in the Harvard Pigeon Laboratory. *Journal of the Experimental Analysis of Behavior*, **77**, 327-345.

 Catania, A. C., Sveinsdottir, I, DeLeon I., Christensen, A., & Hineline, P. N. (2002). The paradoxical vocabularies of topography-based and selection-based verbal behavior. *European Journal of Behavior Analysis*, **3**, 81-85*.*

 Catania, A. C. (2003). B. F. Skinner’s “Science and Human Behavior”: Its antecedents and its consequences. *Journal of the Experimental Analysis of Behavior*, **80**, 313-320.

 Catania, A. C., & Laties, V. G. (2003). Cumulative quotations. *European Journal of Behavior Analysis,* 4, 115-122*.*

 Catania, A. C. (2003). Ullin Place: A life in verbal behavior. *Behavior and Philosophy*, **31**, 173-180.

 Catania, A. C. (2004). Antecedents and consequences of words. *European Journal of Behavior Analysis,* **5**, 55-64. [Reprinted (2006): *Analysis of Verbal Behavior*, 22, 89-100]

 Catania, A. C. (2004). B. F. Skinner at 100: A selection of quotations. *European Journal of Behavior Analysis*, **5**, 69-81.

 Catania, A. C. (2005). Eliot Shimoff, 1943-2004. *Journal of the Experimental Analysis of Behavior*,**83***,* 197-199.

 Catania, A. C., de Souza, D., & Ono, K. (2005). Free-choice preference when one alternative is rarely or never chosen. *Brazilian Journal of Behavior Analysis*, **1**, 51-59.

 Catania, A. C. (2005). The operant reserve: A computer simulation in (accelerated) real time. *Behavioural Processes*, **69**, 257-278; Erratum, **70**, 307.

 Catania, A. C. (2005). Attention-deficit/hyperactivity disorder (ADHD): Delay-of-reinforcement gradients and other behavioral mechanisms. *Behavioral and Brain Sciences*, **28**, 419-424.

 Catania, A. C. (2005). Attention-deficit/hyperactivity disorder (ADHD): One process or many? *Behavioral and Brain Sciences*, **28**, 446-450.

 Catania, A. C. (2005). The nonmaintenance of behavior by noncontingent reinforcement. *European Journal of Behavior Analysis*, **6**, 89-94.

 Katz, I. A., & Catania, A. C. (2005). Concurrent performances: Extinction, noncontingent reinforcement and variably delayed reinforcement. *European Journal of Behavior Analysis*, **6**, 95-108.

 Catania, A. C. (2006). Words as behavior. *Analysis of Verbal Behavior*, **22**, 87-88.

 Catania, A. C. (2006). Operant contingencies: Responses and their consequences. *European Journal of Behavior Analysis*, **7**, 99-102.

 Catania, A. C. (2007, Jan/Feb). Strange visions: Haloes, dust storms and blood on the walls. *Skeptical Inquirer*, **31**(1), 47-50.

 Catania, A. C. (2008). The *Journal of the Experimental Analysis of Behavior* at zero, fifty and one hundred. *Journal of the Experimental Analysis of Behavior*, **89**, 111-118.

 Luciano, C., Valverde, M. R., & Catania, A. C. (2008). Presentation of the series celebrating the 50th anniversary of the book, “Verbal Behavior,” by B. F. Skinner. *International Journal of Psychology and Psychological Therapy*, **8**, 275-276.

 Catania, A. C. (2008). Skinner’s “Verbal Behavior” in a new century. *International Journal of Psychology and Psychological Therapy*, **8**, 277-285 (includes Catania, *Contemporary Psychology*, 1997).

 Catania, A. C. (2008). Gambling, shaping, and ratio contingencies. *Analysis of Gambling Behavior*, **2**, 69-71.

 Catania, A. C. (2010). Masaya Sato: An ambassador for behavior analysis. *Seisa University Research Bulletin* (special memorial issue), 20-24. (in English and in Japanese translation)

 Catania, A. C. (2011). Model versus model or model versus data? A commentary on Berg and McDowell’s “Quantitative, steady-state properties of Catania’s computational model of the operant reserve.” *Behavioural Processes*. **87**, 84-87.

 Catania, A. C. (2011). In memoriam: Terje Sagvolden. *European Journal of Behavior Analysis*, **12**, 371-375.

 Catania, A. C. (2011). On Baum’s public claim that he has no significant private events: A commentary on “Behaviorism, private events, and the molar view of behavior.” *The Behavior Analyst*, **34**, 227-236.

 Catania, A. C. (2012). Approaches to the analysis of behavior; The pursuit of experimental analysis. *European Journal of Behavior Analysis*, **13**, 163-164; 269-280.

 Catania, A. C. (2013). A natural science of behavior. *Review of General Psychology*, **17**, 133-139.

 Catania, A. C. (2014). Behavior analysis as a biological science: An alternate history. *European Journal of Behavior Analysis*, 15, 25-30.

 Catania, A. C., Reilly, M. P., Hand, D., Kehle, L. K., Valentine, L., & Shimoff, E. (2015). A quantitative analysis of the behavior maintained by delayed reinforcers. *Journal of the Experimental Analysis of Behavior*, **103**, 288-331.

**Editorials and Commentaries**

 Catania, A. C. (1969). On the vocabulary and the grammar of behavior. *Journal of the Experimental Analysis of Behavior*, **12**, 845‑846.

 Catania, A. C. (1972). Review of B. F. Skinner’s *Cumulative Record* (3rd ed.). Behavioral Science Book Service.

 Catania, A. C. (1974). Beyond reinforcement, behind schedule. Review of J. L. Williams, *Operant learning: Procedures for changing behavior*. *Contemporary Psychology*, **19**, 382‑383.

 Catania, A. C. (1974, Mar 29). (Untitled article). *UMBC Observer*, **2**(12).

 Catania, A. C. (1976). On attending at the “having” of reviews. *Journal of the Experimental Analysis of Behavior*, **26**, 317‑320. (editorial)

 Catania, A. C. (1976, Sep). On Hull and Skinner. Proceedings in Symposium: The Hullians and Skinnerians in psychology. PBD Society of Japan (delivered in absentia).

 Catania, A. C. (1977). Verbal behavior is alive and well. Review of S. Winokur’s *A primer of verbal behavior: An operant view*. *Contemporary Psychology*, **22**, 9‑10.

 Catania, A. C. (1978). Explanation in psychology. *Behavioral and Brain Sciences*, **1**, 55‑56. (commentary on Bindra)

 Catania, A. C. (1980). The explanation of motivation and the motivation of explanation. *Behavioral and Brain Sciences*, **3**, 304. (commentary on Bolles & Fanselow)

 Catania, A. C. (1980). On citing the literature. *Behavior Analyst*, **3**, 63‑64.

 Catania, A. C. (1981). Review of *Reinforcement and the organization of behaviour. Advances in analysis of behaviour, Volume 1* edited by M. D. Zeiler and P. Harzem. *Quarterly Review of Biology*, **56**, 101.

 Catania, A. C. (1981). A cogito‑behavioro‑summing up. *The Behavior Analyst*, **4**, 153‑154; revised from (1978). *Division 25 Recorder*, **14**(1), 2‑3.

 Catania, A. C. (1982). Antimisrepresentationalism. *Behavioral and Brain Sciences*, **5**, 374‑375. (commentary on Roitblat)

 Catania, A. C. (1983). Is not‑responding behavior? *Behavioral and Brain Sciences*, **6**, 321‑322. (commentary on Rachlin, Battalio, Kagel, & Green)

 Catania, A. C. (1984). Conceivable book reviews. *Journal of the Experimental Analysis of Behavior*, **42**, 165‑169. (editorial)

 Catania, A. C. (1986). Verbal interactions and nonverbal behavior. In P. N. Chase & L. J. Parrott (Eds.), *Psychological aspects of language* (pp. 206‑208). Springfield, IL: Charles C. Thomas.

 Catania, A. C. (1986). Viewing behaviorism selectively. *Behavioral and Brain Sciences*, **9**, 701‑702. (commentary on Zuriff)

 Catania, A. C. (1987). Editorial selection. *Journal of the Experimental Analysis of Behavior*, **48**, 481‑483.

 Catania, A. C. (1987). Inversion of the three‑term contingency. *The Behavior Analyst*, **10**, 197.

 Catania, A. C., & Shimoff, E. (1988). Why contingencies won’t go away. *Behavioral and Brain Sciences*, **11**, 450‑451. (commentary on Gardner & Gardner)

 Shimoff, E., & Catania, A. C. (1988). Self‑control and the panda’s thumb. *Behavioral and Brain Sciences*, **11**, 693. (commentary on Logue)

 Catania, A. C. (1988). George S. Reynolds, 1936‑1987. *Journal of the Experimental Analysis of Behavior*, **49**, 4.

 Catania, A. C. (1989). Selections, intentions, intuitions, and chaos: Some capsule reviews. *Journal of the Experimental Analysis of Behavior*, **52**, 77‑79.

 Catania, A. C. (1989). Speaking of behavior. *Journal of the Experimental Analysis of Behavior*, **52**, 193‑196.

 Catania, A. C., Matthews, B. A., & Shimoff, E. (1989). Mything the point about rule‑governed behavior: A reply to Buskist and DeGrandpre. *Experimental Analysis of Human Behavior Bulletin*, **7**, 22‑23.

 Catania, A. C. (1989). Rules as classes of verbal behavior: A reply to Glenn. *Analysis of Verbal Behavior*, **7**, 49‑50.

 Catania, A. C. (1990). What good is five percent of a language competence? *Behavioral and Brain Sciences*, **13**, 729-731. (commentary on Pinker & Bloom)

 Catania, A. C. (1990). What Skinner said. *Division 25 Recorder*, **24/25** (Fall), 26-27.

 Catania, A. C. (1990, Oct 16). The environment matters: A reply to Norman. *Psycoloquy*, **1(#4)**. (electronic journal)

 Catania, A. C. (1991). Contingent reviews. *Journal of the Experimental Analysis of Behavior*, **56**, 591-598.

 Harrison, J. M., Brady, J. V., Catania, A. C., & Dews, P. B. (1992). Recollections of B. F. Skinner. *Integrative Physiology and Behavioral Science*, **27**, 258-266.

 Catania, A. C. (1993). Approaching Skinner. Review of R. D. Nye’s *The legacy of B. F. Skinner*. *Contemporary Psychology*, **38**, 779-780.

 Catania, A. C. (1994, 4 July). Information, cognition and behavior: Telling what they want to hear *(book review of Giere on cognitive models of science). Psycoloquy, 5(39) (psyc.94.5.39.scientific-cognition.5.catania). (electronic journal)*

 Catania, A. C. (1994). The aware pigeon. *Behavioral and Brain Sciences*, **17**, 400‑401.

 Catania, A. C. (1995). Lashley on serial order and Skinner on verbal behavior. *American Psychologist*, **50**, 178.

 Catania, A. C. (1995). Single words, multiple words, and the functions of language*. Behavioral and Brain Sciences*, **18**, 184-185. (commentary on Wilkins & Wakefield)

 Catania, A. C. (1996). Fred S. Keller, teacher. *Division 25 Recorder*, **31(2)**, 6-7.

 Catania, A. C. (1998). Misnomer. Review of *Naming the mind: How psychology found its language* by Kurt Danziger. *American Scientist*., **86**, 388.

 Catania, A. C. (2000) Metaphors, models and mathematics in the science of behavior. *Behavioral and Brain Sciences*, **23**, 94-95. (commentary on Nevin & Grace)

 Catania, A. C. (2001). Positive psychology and positive reinforcement. *American Psychologist*, **56**, 86-87.

 Catania, A. C. (2001). Selection as a cause and the causes of selection. *Behavioral and Brain Sciences*, **24**, 533. (commentary on Hull, Langman & Glenn)

 Catania, A. C. (2001). I think I am a behaviorist, therefore I am. Review of *The new behaviorism*, by John Staddon. *European Journal of Behavior Analysis*, **2**, 267-270.

 Catania, A. C. (2003). Why behavior should matter to linguists. *Behavioral and Brain Sciences*, **26**, 670-672. (commentary on Jackendoff)

 Catania, A. C. (2004). An extension to human affairs: B. F. Skinner’s “Science and Human Behavior.” Metapsicologia (<http://www.metapsicologia.com/index.php>).

 Catania, A. C. (2005). Review of “The First Idea” by Greenspan and Shanker. *Quarterly Review of Biology*, **80**, 382-383.

 Catania, A. C. (2006). Disseminating behavior analysis through archival publications. *Special ABA Newsletter on the Future of Behavior Analysis*, **29**(3) . (<http://www.abainternational.org/aba/newsletter/vol293/>)

 Catania, A. C. (2007). Review of “Language Origins: Perspectives on Evolution” edited by Tallerman. *Quarterly Review of Biology*, **82**, 447.

 Catania, A. C. (2008). Brain and behavior: Which way does the shaping go? *Behavioral and Brain Sciences*, **31**, 516-517. (commentary on Christiansen & Chater)

 Catania, A. C. (2009). Cognitive science at fifty. *Behavioral and Brain Sciences*, **32**, 141 (commentary on Carruthers).

 Catania, A. C. (2009) Language evolution: Two tracks are not enough. *Behavioral and Brain Sciences*, **32**, 451-452 (commentary on Evans & Levinson).

 Catania, A. C. (2010). Kay’s Wit (In Memoriam: Kay Dinsmoor, 1931-2009). *Journal of the Experimental Analysis of Behavior*,**94***,* 2-4.

 Catania, A. C. (2014). Environments organize the verbal brain. *Behavioral and Brain Sciences*, **37**, 550-551.

**Technical Notes, Software and Miscellaneous**

 Catania, A. C. (1962). Solution to a weighty problem. *Journal of the Experimental Analysis of Behavior*, **5**, 480.

 Catania, A. C. (1965). Stealing from pigeon feeders: A preventive measure. *Journal of the Experimental Analysis of Behavior*, **8**, 324.

 Riddle, W. C., Rednick, A. B., Catania, A. C., & Tucker, S. J. (1966). Complete squirrel monkey diet in tablet form. *Journal of the Experimental Analysis of Behavior*, **9**, 670.

 Catania, A. C., & Zimbardo, G. G. (1972). Applications of matrix switching. *Journal of the Experimental Analysis of Behavior*, **17**, 23‑24.

 Catania, A. C. (1972). Switching circuitry. *JSAS Catalog of Selected Documents in Psychology*, **2**, 4. (Journal Supplement Abstract Service Manuscript No. 53. 67 pp.)

 Catania, A. C. (1975‑76). Fixed‑interval schedules: index of curvature; IRT statistics; etc. (Programs 02073A, 02075A, 02306A, 03485, 03704A, 03705A). *HP‑65 Users Library*. Cupertino, CA: Hewlett‑Packard.

 Hall, D. C., Goldstein, M. K., & Stein, G. H., with the Gainesville Behavioral Medicine Study Group ‑ Breast Section.\* (1977). Progress in manual breast examination. *Cancer*, **40**, 364‑370 (\*Adams, C. K., Hench, L. H., Madden, M. C., Pennypacker, H. S., & Catania, A. C.).

 Catania, A. C. (1978, Aug). On being behavioral in nonbehavioral places. Div 25 Presidential Address (B.F. Skinner, Chair; Fall 1979 *Div 25 Recorder*, **14**(4), 2‑3), Toronto.

 Catania, A. C. (1980). Behavior analysis of free‑choice preference. Research Report, Department of Psychiatry, Østmarka Hospital, University of Trondheim, Norway. Excerpted as, En empirisk analyse av fritt‑valg preferanser. *Sandoz‑informasjon fra Forskning og Praksis*, **4**, 9‑10.

 Catania, A. C. (1984, Feb 9). Letter to the Editor. *Baltimore Sun*, p. A18.

 Matthews, B. A., Shimoff, E., & Catania, A. C. (1987). *Sociology on a disk* (computer programs in introductory sociology). Englewood Cliffs, NJ: Prentice‑Hall. (Version 2.0 published 1989, CMS Software)

 Shimoff, E., Catania, A. C., & Matthews, B. A. (1987). *Psychology on a disk* (computer programs in introductory psychology). Englewood Cliffs, NJ: Prentice‑Hall. (Version 2.0 published 1989, CMS Software)

 Catania, A. C., Matthews, B. A., & Shimoff, E. (1989). *Behavior on a disk* (computer programs in the psychology of learning). Ellicott City, MD: CMS Software.

 Shimoff, E., Matthews, B. A., & Catania, A. C. (1990). Computer activities for introductory psychology: Design considerations. ERIC document ED 325 169 (abstracted in *Resources in Education*, March 1991).

 Catania, A. C. (1991, Fall). Politics is the art of the possible. *Division 25 Recorder*, **26**(3), 30.

 Shimoff, E., Catania, A. C., & Matthews, B. A. (1991). *Interactive Psychology* (computer programs in introductory psychology). New York: Norton.

 Shimoff, E., Catania, A. C., & Matthews, B. A. (1992). *Psychology on a disk, Version 4.0* (computer programs in introductory psychology). Columbia, MD: CMS Software.

 Matthews, B. A., Shimoff, E., & Catania, A. C. (1992). *Sociology on a disk, Version 4.0* (computer programs in introductory sociology). Columbia, MD: CMS Software.

 Shimoff, E. H., Matthews, B. A., & Catania, A. C. (1993). *The psychology disk* (computer programs in introductory psychology). Dubuque, IA: Brown & Benchmark.

 Catania, A. C. (1994). Psychological explanation. In R. H. Ettinger, R. L. Crooks & J. Stein, Psychology: Science, behavior and life (3rd ed.) (pp. 24‑28). Fort Worth, TX: Harcourt Brace.

 Catania, A. C. (1997). Division 25: Past and future. *Division 25 Recorder*, **32**(1), 1,4-5.

 Catania, A. C. (1997). A behavior-analytic crostic. *Division 25 Recorder*, **32**(2), 16-17.

 Catania, A. C. (1997). Naming, behavior analysis, and conditional stimulus control*. Division 25 Recorder*, **32**(3), 6-7.

 Catania, A. C., Matthews, B. A., & Shimoff, E. (1997). *Behavior on a disk: Version 4.0* (computer programs in the psychology of learning). Columbia, MD: CMS Software.

 Catania, A. C. (2000). Introduction to verbal behavior. www.behavior.org.

 Shimoff, E., Catania, A. C., & Matthews, B. A. (2000). *Psychology on a disk* and *Sociology on a disk* on CD-ROM. Columbia, MD: CMS Software.

 Catania, A. C. (2002). What we do with words: A tutorial on verbal behavior (video). Kalamazoo, MI: Association for Behavior Analysis.

 Catania, A. C, & Hineline, P. N. (2001 ff.) *Behavior Side Story* (book and libretto after *West Side Story*). Presentations at ABAI, SEAB, CCBS; ABAI 2012.

 Catania, A. C. (2003). Words and other kinds of behavior: Another tutorial on verbal behavior (video). Kalamazoo, MI: Association for Behavior Analysis.

 Catania, A. C. (2004). Interview remarks cited in: Adelson, R. (2004, Mar). One fundamental learning process. *Monitor on Psychology*, **35**(3), 20-21.

 Catania, A. C. (2005). Harvard Ph.D.’s during the Pigeon Lab era. Addendum to Special Issue of JEAB: http://seab.envmed.rochester.edu/jeab/articles\_selected/2002/harvardpsyphds48-72.pdf

 Catania, A. C. (2006, Nov). Good news on grants (letter). *Southwest Airlines Spirit*, 24.

 DeLeon, I. G., Catania, A. C. Sigurdsson, S. O., Kahng, S., & Pitts, S. (2007). Master’s Degree in Applied Behavior Analysis at the University of Maryland Baltimore County. *ABA Newsletter*.

 Catania, C., & Lupinacci, A. (2009). Fall Blau and Zitadelle; Lupinacci, A. & Catania, C. (2009). Downfall, L2 Design Group (*Russia Besieged* scenarios).

 Catania, A. C. (2010). European Association for Behavior Analysis interview. Available online at: http://www.europeanaba.org/videos.html.

 Neuringer, A., Catania, A. C., Killeen, P., & Nevin, T. (2011, Jan 27). Words have power; use them with care. *Portland Insight*, Portland, OR; see also *Forest Grove News-Times*, Jan 26, Forest Grove, OR.

 Catania, A. C. (2011, Mar 22), A true-false test. *Washington Post*, p. A14.

 Catania, A. C. (2012, Oct 5), Atheists deserve better treatment. *Washington Post*, http://articles.washingtonpost.com/2012-10-05/opinions/35501708\_1\_atheists-catholic-student-atheism

 Catania, A. C. (2012, Dec 12 and 26). Chart. *The MaddowBlog*. <http://maddowblog.msnbc.com/news> /2012/12/17/15973646-chart-six-of-the-deadliest-mass-shootings-have-happened-since-2007?pc=25&sp=50#discussion\_nav ; [http://maddowblog.msnbc.com/\_news/2012/12/26/16169576-chart-before-and-after-the-assault-weapons-ban - comments](http://maddowblog.msnbc.com/_news/2012/12/26/16169576-chart-before-and-after-the-assault-weapons-ban#comments)

 Catania, A. C. (2012, Dec 30), Should campaign donations be kept secret? *Washington Post*, p. A22. <http://www.washingtonpost.com/opinions/should-campaign-donations-be-kept-secret/2012/12/29/6cde8e02-4f78-11e2-835b-02f92c0daa43_story.html>

 Shapiro, M., Xu, Z., Catania, A. C., Neef, N., Kranak, M., & Smith, E. (2016). Shaping verbal behavior increases the use of specific praise by general educators. Chicago: ABAI (poster).

**PRESENTATIONS**

 *Association for Behavior Analysis*: (with Cerutti) Free, forced & coerced choices, Milwaukee 1982; Cultural contingencies & evolution of behavior analysis (Presidential address), Milwaukee 1983; (Poster with Todorov, Oliviera‑Castro) Contrast effects in concurrent schedules with fixed relative rft rate, Nashville 1984; Computer simulations of shaping, Columbus 1985; (with Shimoff, Matthews, Cerutti) Differential reinforcement along two response dimensions, In: Advances in analysis of human behavior, Milwaukee 1986; (Poster with Ono, de Souza, Cerutti); (with Shimoff) Higher-order units of behavior, Phila. 1988; (with Shimoff, Matthews) Interactive computer programs for teaching behavior analysis. Milwaukee 1989; Symposia: Three-term contingency in scientific behavior, Symposium on Willard Day. Nashville 1990; (Paper) Behavioral effects of food sensitivities, Atlanta 1991; Discussant: Rule-governed behavior; Contextualism, San Francisco 1992; (with Shimoff, Matthews), Educational software & academic contingencies, Chicago 1993; Selection of selectionism in 21st century, In: Behavior Analysis-2093 (J. Greenspoon, chair); Chicago 1993; Chair/discussant, Stimulus equivalence, Atlanta 1994; Panelist, Teaching behavior analysis, Washington DC 1995; Discussant, Symposium on derived relations; Issues in behavior development; Symposium on teaching behavior analysis, San Francisco 1996; Symposium: Human & nonhuman operant behavior; Chicago 1997; ABA MA at UMBC (& posters, 1999ff.): In Symposium, Behavior Analysis Graduate Programs; (with Shimoff, Sagvolden) Delay of reinforcement, hyperactivity & attention deficit, Symposium: Developmental implications of reinforcement delays, Chicago 1999; The Harvard Pigeon Lab in the Early 1960’s, in Symposium: Tribute to Harvard Pigeon Lab, 1948-98, Washington DC 2000; New Orleans 2001; Invited address: When words rule, Discussant, Toronto 2002; Verplanck Panel Chair, San Francisco 2003; Antecedents & consequences of words (Japanese, Portuguese International sessions), Boston 2004; Invited address: Sources of novel behavior: Implications for development of verbal behavior; Panelist, Verplanck’s Glossary/Thesaurus of Behavioral Terms; Posters (3), Chicago, 2005. Hand, Reilly et al. poster; Role of selection, in Operants symposium; Sources of novel behavior (Spanish International session); Dinsmoor Memorial Symposium, Atlanta 2006; Tutorial: Our technical vocabulary of discrimination: potential side-effecs; Panel, Verbal behavior at 50, San Diego 2007; EAHB SIG Distinguished Career Award, The origins and consequences of fictional verbal entities, Chicago 2008; Chair, Symposium on developing verbal behavior: Tact and intraverbal; Panelist, Survival of behavior analysis, Phoenix 2009; Award Address: Behavior analysis as a biological science; Address: Behavior analysis and the ethics of contemporary cultures; Panelist, Live in the classroom?: The future of class demonstrations, Verbal Behavior Workshop, San Antonio 2010; Dueling baselines, in Symposium, Paradigm clashes within behavior analysis; Verbal Behavior Workshop, Denver 2011; Behavior Side Story; Invited address: The concept of inhibition in the analysis of behavior; Panelist: Culturally and linguistically diverse variables, Seattle 2012; Invited address: The science of learning and the art of teaching revisited; Workshop on the ABCs of behavior analysis, Minneapolis 2013; Workshops on ABCs of behavior analysis and on verbal behavior; Tutorial: Delay of reinforcement, Chicago 2014; Invited tutorial: Why behavior analysts should care about sensory psychology. San Antonio, 2015; Poster; Symposia on selection, on verbal behavior. Chicago, 2016. Invited Tutorial: I forgot the name of this talk. Aesthetic Behavior: Creating and Appreciating Art, in Symposium, Behavior Analysis and Aesthetics, Denver, 2017.

*American Psychological Association*: Operant extinction and the concept of inhibition, In Symposium: Current status of central inhibition. New York 1961; On being behavioral in nonbehavioral places. Div 25 Presidential Address (B.F. Skinner, Chair; Fall 1979 *Div 25 Recorder*, **14**(4), 2‑3), Toronto Aug 1978; (Div 3 New Fellows Address) Productivity, sequential coordination and deep structure in nonverbal discriminations, Los Angeles Aug 1981; The language of reinforcement: Some raids on the inarticulate, In Memorial Symposium for C. B. Ferster. Washington DC Aug 1982; Invited addresses, Creating new behavior: Interactions between verbal behavior and nonverbal contingencies; Selection of behavior: The new selectionist paradigm for psychology, Centennial Convention, Washington DC Aug 1992; What every psychologist needs to know about reinforcement, Div 25 Presidential Address, Chicago Aug 1997; Master lecture on animal learning: Reinforcement isn’t everything but extinction isn’t anything; Div 25 Hake award address: Behavior synthesis: creation of new behavior through selection. Chair, Symposium on Thorndike’s Centennial legacy. San Francisco Aug 1998. Invited address, Division 25: The operant reserve and its implications for ADHD. Washington DC Aug 2005.

*American Psychological Society*: Verbal behavior, selection, and intentional systems, In Symposium: Some connections and parallels in the biobehavioral sciences, 1st annual meeting, Alexandria VA Jun 1989.

 *British Experimental Analysis of Behaviour Group*: Exeter Mar 1980; Cambridge Mar 1982; Manchester Mar 1987; London Mar 1993, Apr 1995 (invited papers); Verbal behaviour and discriminations of one’s own behavior: Phylogenic and ontogenic origins of language. London Apr 1992.

*European Experimental Analysis of Behaviour* meetings, invited papers: Liege Jul 1983, Jul 1988; Dublin 1997: Keynote Address, What every behavior analyst needs to know about reinforcement. Amiens Jul 2000: Paper in Memorial Symposium for Ullin Place. European Association for Behavior Analysis (First meeting). Verbal behavior: Antecedents and consequences (Keynote Address), Parma Jul 2003.

*Maryland Association for Behavior Analysis*: Opening address: Experimental and applied behavior analysis, 1st annual meeting, Baltimore Oct 1998; Poster, UMBC ABA MA, Baltimore, Oct 1999-2002; Invited address (with Shimoff). Experiments on college teaching from a behavioral perspective. Baltimore Oct 2000; Invited address. Everything you wanted to know about delay of reinforcement but were afraid to ask, Baltimore Oct 2001; Presidential remarks, Symposium on graduate programs in behavior analysis, Baltimore Oct 2002; (with Poerstel, Serdikoff, Shulleeta) Using the SHR rat as a model to examine delay of reinforcement in ADHD (poster), Baltimore Dec 2004. Invited address: Behavior analysis and the ethics of human cultures, Baltimore Dec 2010.

 *Behavior Analysis Association of Michigan*: Keynote address: Words and other behavior, Ypsilanti Feb 2005.

 *Tennessee Association for Behavior Analysis*: Invited lectures, Delay of reinforcement, the operant reserve, and ADHD; Our vocabulary of discrimination: Social and political side-effects. Nashville Oct 2006.

 *Virginia Association for Behavior Analysis*: Invited lecture, Applying a computer simulation of the operant reserve to the analysis of ADHD. Harrisonburg Mar 2006.

 *NCABA*, Invited address, Winston-Salem Feb 2014.

 *BABAT*: Invited address, Behavior analysis and the ethics of contemporary cultures. Amherst Oct 2010; Commentator, Azrin award, Oct 2011; Award address, Workshop Oct 2013; Workshop, Oct 2014; Workshop on Verbal Behavior (with M. Sundberg); Tutorial on Sensory Processes, Oct 2015: Tutorial on memory, I forgot the name of this talk, Oct 2016.

 *Society for Quantitative Analyses of Behavior:* (with Shimoff) A reinforcement paradox: Reinforcement of response property R on Trial N does not raise the probability of R on Trial N+1, Chicago, May 1993; Responses and time in the quantitative analysis of the delay-of-reinforcement gradient, San Francisco, May 1996; (Poster, with T. Sagvolden & H. Aase) Delay of reinforcement and the hyperactivity syndrome, Chicago, May 1997; (Poster, with E. Shimoff & L. Kowalsky) Delay of reinforcement and reinforcement magnitude, Chicago, May 1999; Delay of reinforcement and the operant reserve, New Orleans, May 2001 (Poster). The operant reserve: A simulation, San Francisco, May 2003 (Poster). The operant reserve: A computer simulation in (accelerated) real time. Boston, May 2004. Delayed reinforcement of an observing response (poster), Chicago, May 2005; Creating artificial behavior: A tutorial on modeling, Atlanta, May 2006.

 *Eastern Psychological Association*: Significance of nonhuman research in analysis of human behavior (Invited address), Philadelphia, Mar 1990; Symposia, Regarding B. F. Skinner; Higher-order classes and language (Chair and participant), New York, Apr 1991; Keller & Schoenfeld symposium, Washington, DC, Apr 1997; Keller symposium, Baltimore, Apr 2006; Invited address: Our technical vocabulary of discrimination: Potential social and political side-effects. Philadelphia, Mar 2007.

 *Language Origins Society*: Phylogenic, ontogenic and cultural selection of language: What are the units of selection? St. Petersburg, Russia, July 1993; Paper, Berkeley, CA, Jul 1994; Introductory Address, UMBC, Jul 1996; Language evolution: the long and the short of it. Tallahassee, FL, Jun 1998.

*Other Venues*

Conditioned Reinforcement Conference (discussant). U Chicago, Chicago Circle, 1967; Invited address, IBR, Bethesda, MD, Feb 1968; Committee on Drug Abuse and Habitual Behavior Conference, Natl Research Council (discussant). Washington, DC, Jun 1979.

 Primer Simposio Bienal sobre Ciencia de la Conducta: Conducta Humana y Lenguaje. (Invited paper). Univ Nacional Autonoma de Mexico, Feb 1982.

 (with D. Dennett). Invited Session on consciousness and the bicameral mind (J. Jaynes). (Discussant). Soc Phil Psychol, Johns Hopkins Univ, Jun 1986.

 How language insulates behaviour from its consequences (with E. Shimoff, B. A. Matthews: *Proceedings, Annual Meeting British Psychol Soc*, 1987, **4**); Free‑choice preference: explorations of stimuli, parameters, contingencies (with D. de Souza, K. Ono, D. Cerutti). U Leeds, Liverpool, Southampton, Exeter, Surrey (Guildford), Liege, Oslo, Messina; Gregynog, Tregynon, Wales; Trinity Coll Dublin; Goldsmiths’ Coll London; Ruhr U Bochum; Catholic Univ Nijmegen; Netherlands Inst Brain Research; Catholic U Tilburg; U Sussex; Behav Analysis in Ireland, U Coll Galway; Oct 1986‑Jun 1987.

 Recent trends in analysis of verbal behavior (Symposium). 18a Reuniao Anual de Psicologia, Campus USP ‑ Riberao Preto, Brasil, Oct‑Nov 1988.

 Higher-order classes & novel behavior; Functional properties rule-governed behavior; New selectionist paradigm for behavior. (Invited addresses). European Congress Behav Therapy, Oslo, Sep 1991.

 Invited address. Advantages and disadvantages of verbal behavior. Northern California Association for Behavior Analysis, San Francisco, Mar 1990; Invited address. The language of discrimination; Workshop. Delay of reinforcement, the operant reserve, and ADHD. CalABA, Garden Grove, CA, Feb 2008.

 Invited address with E. Shimoff & B. A. Matthews. Educational software and academic contingencies, Southeastern Association for Behavior Analysis, Asheville, NC, Oct 1992.

 Visiting lectures: U Oslo, Mar 1980, Jun 1993; Drake U, May 1980; U Mexico, Oct 1980; U Sao Paulo, U Brasilia, Oct‑Nov 1988; U Tromsø, Jun 1993; U Akron, 2003; Colloquium, Cognitive Sciences Centre, U Southampton, Apr 1995.

 Natural selection and artificial selection in verbal behavior. 4th International Institute on Verbal Relations, Fuji-Yoshida, Yamanashi, Japan; Invited lecture, Verbal behavior and knowledge. Komazawa Univ; Invited address, Some parallels between Darwin’s natural selection and Skinner’s operant selection. Round Table Discussant: Strategies for animal language research. Japanese Soc Animal Psychol, Tokyo, Jul-Aug 1992; Delay of reinforcement, the operant reserve, and ADHD; Words as behavior. J-ABA, Rikkyo Univ, Tokyo, Japan, Aug 2007.

 Extinction, response-independent reinforcement, and variably delayed reinforcement. Symposium in Honor of Professor Emeritus Lewis Gollub. College Park, MD, Sep 1994.

 Invited address: Reinforcement, beliefs, and verbal behavior. In conference, Advances in Cognitive Behavior Therapy, Aguas de Lindoia, Brazil, Jul 1998.

 Invited paper: Verbal Governance. In conference, Behavior: Theory and Philosophy. West Virginia University, Morgantown, Apr 2000.

 Invited presentation, International Life Sciences Institute meeting on Behavior and Obesity, Washington, DC, Dec 2000.

 The evolution of language function. Fourth International Conference on the Evolution of Language, Harvard University, March 2002 (Proceedings, p. 21).

 Invited presentations, ADHD International Conference at Norwegian Center for Advanced Study, Oslo; University of Iceland; University of Rekjavik, Aug 2004.

 Invited lecture, Delay-of-reinforcement gradients and ADHD: Theory and Applications. Kennedy Krieger Institute Distinguished Scientist Lecture Series, Baltimore, Jan 2005.

 Invited presentation, Centre for Advanced Study, Conference on ADHD, Tromsø, Norway, Dec 2005.

 Keynote address, From theoretical basics to real-world applications, 34th Annual Western Pennsylvania Undergraduate Psychology Conference, Gannon University, Erie, PA, Apr 2006.

 Idaho State University teleconference seminar, Jan 2007.

 University of North Texas Conference on the History of Applied Behavior Analysis, April 2008.

 Invited ΦΒΚ lecture: Green/Red, Black/White, Pink/Blue, and Other Discriminations. UMBC, Oct 2008.

 Presentations on verbal behavior, Baltimore Secular Humanists, UMBC Student Secular Alliance, 2011-

 Invited talk: Getting people to say it makes them more likely to do it – Say-do correspondences and the shaping of verbal behavior. Washington Area Secular Humanists, Chevy Chase, MD, May 2013.

 What Ingersoll said. Presentation in Robert Ingersoll Oratory Contest, Washington DC June 2013.

 Tutorials: The ABCs of Verbal Behavior, National Autism Conference, State College, PA, Aug 2016; The ABCs of Behavior Analysis, Aug 2017.

**SELECTED ACKNOWLEDGMENTS**

 In: Skinner, B. F. (1977). Herrnstein and the evolution of behaviorism. *American Psychologist*, **32**, 1006-1012.

 In: Natochin, Yu. V., & Chernigovskaya, T. V. (1997). Evolutionary physiology: History, principles. *Comparative Biochemistry and Physiology, Part A*, **118**, 63-97.

 In: Provine, R. R. (2000). *Laughter: A Scientific Investigation*. New York: Viking.

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