

CONDENSED TIME SCHEDULE

THURSDAY EVENING, 8:00 P.M.

Symposium. Objective Approaches to Psycho-therapist Variables. Grand Ballroom.

Symposium. Research, Theory and Method Regarding Behavior of Invertebrates. Cotillion Room.

FRIDAY PROGRAM

Grand Ballroom	Venetian	Hollywood	Cotillion	Embassy
8:30 a.m. Personality Strickland	An. Behavior Hahn	Perception I Pick	Hum. Oper. Lng. Stephens	Pair. Assoc. Lng. Odom
8:45 Salam	Henderson	Mountjoy	Elias	Long
9:00 Dunlap	Caldwell	Goldstein	Kanfer	Theiss
9:15 Solkoff	Fehr	Small	Levin	Hinrichs
9:30 Reece	Ratner	Eriksen	D. Moore	Battig
9:45 Rosenberg	Kline	Shantz	Lanyon	Wickens
10:00 H. Smith	Ressler	Perception II Pollard	Paul	Hum. Gen. & Discr. Wiehe
10:15 Tuska	Morton	Schaefer	Shearn	Erickson
10:30 Personal. Meas. Maes	An. Disc. Lng. Fletcher	Thurlow	Concept Form. K. Smith	Johns
10:45 Richards	Williams	McGee	Ranken	Thomas
11:00 Gill	Lloyd	Boulter	Greene	Dorfman
11:15 Haner	Gough	Meier	Kauffman	Hiss
11:30 Barry	Ison	Bartz	Blum	Brown
11:45 Morgan	Hammond		Isaacs	
12:00 m. Crites				
12:15 p.m. Crites				
12:30 Clinical Ferrel	Comparative Adams	Sensory Proc. Turner	Hum. Lng. & Cond. Shephard	Probabil. Lng. Madison
1:00 Bowers	Woolpy	Koh	Blick	Bogartz
1:15 Grace	Bernick	Weintraub	Pitz	Guth
1:30 Jones	Shafer	Pritchard	Namikas	H. Johnson
1:45 True	Kalberer	Michels	J. Moore	Komorita
2:00 Lomont	Fischer	Jacobs	Levy	R. Johnson
2:15 Bookbinder	Meier	Kern	Kitai	Hoffeld
2:30 Kremen	Mason	Rainwater		Martin
2:45 Kremen	Ulrich			Edwards

10:00 a.m. SPECIAL PRESENTATION. Psychology program at the U.S. Air Force Academy. Burgundy Room.

1:00 p.m. SYMPOSIUM. Approaches to consumer behavior. Madison Room.

3:00 p.m. MPA BUSINESS MEETING. Cotillion Room.

4:00 p.m. PRESIDENTIAL ADDRESS. Terrace Casino.

5:00 p.m. SOCIAL HOUR. Terrace Casino. Foyer.

8:00 p.m. SYMPOSIUM. Stimulus Generalization and Schizophrenia. Grand Ballroom.

8:00 p.m. SYMPOSIUM. Sequential Verbal Behavior. Venetian Room.

SATURDAY PROGRAM

Grand Ballroom	Cotillion	Hollywood	Clark	Venetian
8:30 a.m. Social Bixenstein	Exp. Brain Les. Lintz	Mot.-Incent. Cond. I Shapiro	Physiological I Havlena	Verbal Leg. Hammock
8:45 Willis	Schwartzbaum	Armus	Stern	Cantor
9:00 L. Levy	Thompson	K. Goodrich	McDowell	Barnwell
9:15 Gore	Scharlock	Reynolds	Sindberg	Keppel
9:30 Knudsen	Somerville	Trapold	Crampton	Korn
9:45 Trumbo	McIntire	Donahoe	Grota	Long
10:00 Triandis	Treichler	J. Lockard	Spear	Noble
10:15 Hum. Brain Dam. Alvarez	Measurement Gaito	Mot.-Incent. Cond. II Holz	Poschel	Caul
10:30 Reed	Gillmer	Babb	Foshee	Taylor
10:45 Kløve	Rock	Beck	Physiological II Baenninger	Mediation Proc. C. Paul
11:00 Caputo	D. Goodrich	Coppock	Jarrard	Hartman
11:15 Fitzhugh	Overall	Homzie	Tsai	N. Johnson
11:30 Peres	Peres	L. Lockard	Ray	Grisell
11:45		Hundt	Clay	Floyd
12:00 m.			Haertzen	Goulet
12:15 p.m.			Werboff	
12:30				

9:00 a.m.-12:50 p.m. PSI CHI. Invited Address, Research Papers, Business Meeting and Coffee Hour. Madison Room.

1:00-3:00 p.m. OPEN MEETING. The Public's Needs Versus Some Widespread Attitudes of the Psychology Profession. Venetian Room.

PROGRAM

Thirty-fourth Annual Meeting

Midwestern Psychological Association

Hotel Morrison
Chicago, Illinois

THURSDAY, FRIDAY, AND SATURDAY

MAY 3, 4, 5, 1962

Please bring this program with you; if purchased at meeting, 25 cents.

GENERAL ANNOUNCEMENTS

Hotel Reservations

Write directly to the Morrison Hotel, 79 West Madison St., for reservations. Special rates are available for MPA members. Psychology graduate students, who need not be members, may obtain Dormitory rates, for four or more persons to a room.

Registration

Registration will be held in the Exhibit Hall area, on the third floor. The hours are: Thursday, 1-8 p.m.; Friday, 9 a.m.-noon, 1-5 p.m., and 6-8 p.m.; Saturday, 9 a.m.-noon. If you have pre-registered, you may pick up your badge without delay. Non-members will be charged a \$1.00 registration fee, for which they will receive a program and badge.

Members of the APA may automatically become members of the Midwestern Psychological Association by paying \$1.50 at the time of registration, in lieu of a registration fee. Others who wish to become members should obtain application blanks by writing the Secretary-Treasurer after the meeting.

A copy of the program is mailed to all members and applicants. This program should be brought to the meeting; additional copies may be purchased at the Registration Desk for 25 cents.

CONVENTION FEATURES

Presidential Address

I. E. Farber will give the Presidential Address on Friday at 4 p.m. in the Terrace Casino, lower lobby. A pay-for-your-own Social Hour will follow, in the Terrace Casino Foyer.

Annual Business Meeting

The annual meeting will be held Friday at 3 p.m. in the Cotillion Room, mezzanine floor. The agenda will be posted by noon Friday at the Registration Desk.

Public Information

The Press Room will be located in the Promenade Room, Mezzanine. This service will be directed by Frank Smith, Sears, Roebuck & Co., and Michael Amrine, APA Central Office. They will make abstracts available to the press and will attempt to arrange interviews with speakers. All participants are requested to send copies of their complete papers prior to the meeting to Frank J. Smith, Department 707-1, Sears, Roebuck & Co., Chicago 7, Illinois.

Placement

The Placement Center will be located on the third floor, adjoining the Exhibit Area. This service will be directed by Henry J. Lambin, Loyola University, and Robert F. Lockman, APA Central Office. The Placement Center will open at noon, Thursday, and close at 3 p.m. Saturday.

Those seeking employment or having positions to fill should register at the meeting. Those who cannot attend should obtain placement forms prior to the meeting from Robert F. Lockman, American Psychological Association, 1333 16th Street, N.W., Washington 6, D. C.

Exhibits

Books, tests, and apparatus will be exhibited in the Exhibit Hall area, third floor.

Psi Chi

The Midwestern Region of Psi Chi will sponsor an invited address, a program of invited papers, and a business meeting and coffee hour on Saturday morning.

Closed Meetings

Requests for arrangements for closed meetings of committees and other special groups or for private luncheons should be addressed to the Chairman of the Local Arrangements Committee, George S. Speer, Institute for Psychological Services, Illinois Institute of Technology, Chicago 16, Illinois.

Complimentary Cocktail Party

The Morrison Hotel will be host to the Association at a complimentary cocktail party in the Venetian Room, second floor, on Thursday, 4:30 p.m. *This is for MPA members and guests only. No one without a badge will be admitted.*

OFFICERS OF THE ASSOCIATION, 1961-62

Council

I. E. FARBER, University of Iowa, *President*
G. ROBERT GRICE, University of Illinois, *Secretary-Treasurer*
EDWARD L. WALKER, University of Michigan
ERNEST J. McCORMICK, Purdue University
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GEORGE S. SPEER, Illinois Institute of Technology, *Chairman and Convention Manager, Exhibits.*
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ROBERT MEYER, Loyola University, *Audio-visual and Meeting Rooms.*
DAVID KOPEL, Chicago Teachers College, *Special Events.*
A. A. ABBATIELO, Psychological Testing and Research, Western Electric Co., *Mail and Information.*
LEROY A. WAUCK, DePaul University, *Volunteers.*

CONVENTION AND OFFICERS, 1962-63

The 1963 Convention will be at the Hotel Morrison, Chicago, May 2-4. Newly elected officers, whose terms begin at the end of the 1962 meeting are:

DONALD W. FISKE, University of Chicago, *President.*
HAROLD W. HAKE, University of Illinois, *Council Member, 1962-1965.*

SYMPOSIUM

THURSDAY, 8:00-10:00 P.M.
Grand Ballroom, First Floor

OBJECTIVE APPROACHES TO PSYCHOTHERAPIST VARIABLES

William Seeman, *Kansas University Medical Center*, Chairman

Clustering of therapist attitudes. Edwin N. Barker, *Ohio State University*.

Measuring therapist orientation. Donald Sundland, *Ohio State University*.

Correlates of theoretical views. Philip A. Marks, *Kansas University Medical Center*.

Discussants: John M. Butler, *University of Chicago*; William Schofield, *University of Minnesota*; Sol L. Garfield, *Nebraska Psychiatric Institute*.

SYMPOSIUM

THURSDAY, 8:00-10:00 P.M.
Cotillion Room, Mezzanine

RESEARCH, THEORY AND METHOD REGARDING BEHAVIOR OF INVERTEBRATES

John A. King, *Michigan State University*, Chairman

Transfer of training through cannibalism in planaria. J. V. McConnell and A. L. Jacobson, *Britannica Center*.

Theoretical significance of behavior modification in invertebrates. Edward S. Halas, *University of North Dakota*.

Response stereotypy in investigators of invertebrate behavior. Donald D. Jensen, *Indiana University*.

Functions of cerebral ganglia in behavior of earthworms. Stanley C. Ratner, *Michigan State University*.

Discussant: Jerry Hirsch, *University of Illinois*.

PERSONALITY

FRIDAY, 8:30-10:45 A.M.
Grand Ballroom, First Floor

Harry Triandis, *University of Illinois*, Chairman

8:30 Bonnie R. Strickland and Douglas P. Crowne, *The Ohio State University*. The need for approval and termination of psychotherapy.

8:45 Arthur R. Salman and Douglas P. Crowne, *The Ohio State University*. The need for approval, improvisation, and attitude change.

9:00 Donna M. Dunlap and Don A. Trumbo, *Kansas State University*. Learning and retention of belief-discrepant material as a function of belief structure.

9:15 Norman Solkoff and Sanford Golin, *University of Wisconsin-Milwaukee*. Strength of conditioned emotionality as a function of personality variables and stimulus content.

9:30 Michael M. Reece, *Wayne State University*, and Alfred G. Klipple, *Louisiana State University*. Competition, difficulty, and manifest anxiety in a perceptual task.

9:45 B. G. Roesnberg and B. Sutton-Smith, *Bowling Green State University*. Ordinal effects on sex role identification.

10:00 Hugh A. Smith and Bernard Spilka, *University of Denver*. The hysteria-psychasthenia dimension and critical flicker fusion under stress.

10:15 Shirley Tuska and Benjamin Wright, *University of Chicago*. Identificatory origins of the self in young women.

10:30 John Maes and Norman Abeles, *Michigan State University*. The relationship between identification, psychosexual conflict and defense in male college students.

ANIMAL BEHAVIOR

FRIDAY, 8:30-10:30 A.M.
Venetian Room, Second Floor

Harold Fletcher, *University of Wisconsin Primate Laboratory*, Chairman

8:30 William W. Hahn and John A. Stern, *Washington University School of Medicine and Behavior Research Laboratories*. The effects of physical exertion on heart rate and bar-pressing activity in the rat.

8:45 Norman D. Henderson, *Oberlin College*. Avoidance learning as a function of practice given at different age levels.

9:00 Donald F. Caldwell and Jack Werboff, *Lafayette Clinic and Wayne State University*. Classical conditioning in newborn rats.

9:15 Fred S. Fehr and John A. Stern, *Washington University School of Medicine and Behavior Research Laboratories*. Heart rate conditioning in the male albino rat.

9:30 Stanley C. Ratner and Frederick A. Boersma, *Michigan State University*. A behavior change in earthworms: learning or phototaxis.

- 9:45 **Ned J. Kline**, *Purdue University*. Learning in the rat as a function of stimulation on different ages in early infancy.
- 10:00 **Robert H. Ressler**, *Western Reserve University*. The influence of foster parent strain and foster pup strain on parental handling in mice.
- 10:15 **John R. C. Morton**, *Purdue University*. Interactive effects of pre-weaning and postweaning environments upon adult behavior.

PERCEPTION I

FRIDAY, 8:30-10:00 A.M.
Hollywood Room, Mezzanine

William A. Mason, *Yerkes Laboratories*, Chairman

- 8:30 **Herbert L. Pick, Jr.**, **Mavis Hetherington**, and **Roland Belknap**, *University of Wisconsin*. The effects of differential visual stimulation subsequent to induction of visual after-effects.
- 8:45 **Paul T. Mountjoy**, *Denison University*. A new illusory effect of the Müller-Lyer figure.
- 9:00 **Alvin G. Goldstein**, *University of Missouri*. Learning and identification of mono-oriented visual stimuli as a function of their spatial orientation during learning and test trials.
- 9:15 **V. H. Small**, *Purdue University*. Judged similarity of visual forms as functions of selected stimulus dimensions.
- 9:30 **Charles W. Eriksen**, *University of Illinois*. Form detection as a function of time interval between presentations.
- 9:45 **David W. Shantz** and **Charles D. Smock**, *Purdue University*. Perceptual constriction as a function of incentive motivation.

HUMAN OPERANT LEARNING

FRIDAY, 8:30-10:30 A.M.
Cotillion Room, Mezzanine

Abraham Blum, *Southern Illinois University*, Chairman

- 8:30 **M. W. Stephens** and **M. F. Elias**, *Purdue University*. Experimentally induced and MAS-measured drive in complex task performance.
- 8:45 **M. F. Elias** and **M. W. Stephens**, *Purdue University*. Performance as a function of drive level and response competition.
- 9:00 **Frederick H. Kanfer** and **Albert R. Marston**, *Purdue University*. Vicarious reinforcement in simulated group-conditioning.

- 9:15 **Saul M. Levin**, *Lafayette Clinic and Wayne State University*. Verbal conditioning of hostile content.
- 9:30 **Dorothy N. Moore**, *Mississippi State Board of Health*, and **Walter Venters** and **Robert N. Vidulich**, *Louisiana State University*. Dogmatism and the conditioning of verbal behavior.
- 9:45 **Richard I. Lanyon** and **Leonard D. Goodstein**, *University of Iowa*. Verbal conditioning and awareness in a new sentence construction task.
- 10:00 **Gordon L. Paul**, **Charles W. Eriksen**, and **Lloyd G. Humphreys**, *University of Illinois*. Use of temperature stress with cool air reinforcement for human operant conditioning.
- 10:15 **Donald W. Shearn**, *The Colorado College*. Operant conditioning of heart rate.

PAIRED ASSOCIATES LEARNING

FRIDAY, 8:30-10:00 A.M.
Embassy Room, Mezzanine

Raymond W. Frankmann, *University of Illinois*, Chairman

- 8:30 **Penelope Brooks Odom** and **Philip B. Gough**, *University of Minnesota*. Intralist association in paired-associate learning.
- 8:45 **John B. Long** and **John W. Donahoe**, *University of Kentucky*. The transfer and retroaction surface remodeled.
- 9:00 **John Theios** and **David T. Hakes**, *University of Texas*. Paired-associate response shifts as two-stage all-or-none learning.
- 9:15 **Grace B. Hinrichs**, *Wisconsin State College*. Latencies in paired-associate learning.
- 9:30 **William F. Battig**, **Sam C. Brown**, and **Douglas Nelson**, *University of Virginia*. Constant vs. varied serial order in paired-associate learning.
- 9:45 **Delos D. Wickens** and **Frances A. Hill**, *The Ohio State University*. The effect of stimulus compounding in paired-associate learning.

SPECIAL PRESENTATION

FRIDAY, 10:00-10:30 A.M.
Bergundy Room, Mezzanine

THE PSYCHOLOGY PROGRAM AT THE U. S. AIR FORCE ACADEMY
Col. Herman F. Smith, *Department of Psychology, Air Force Academy*

PERSONALITY MEASUREMENT

FRIDAY, 11:00 A.M.-12:30 P.M.
Grand Ballroom, First Floor

Kenneth S. Davidson, *Wayne State University*, Chairman

- 11:00 James M. Richards, Jr., Calvin W. Taylor, and Philip B. Price, *University of Utah*. The prediction of medical intern performance.
- 11:15 Lois J. Gill, *Denver Public Schools*, and Bernard Spilka, *University of Denver*. Some non-intellectual correlates of academic achievement among Spanish-American high school students.
- 11:30 Charles F. Haner, *Grinnell College*. Personal data as predictive of automobile accident record.
- 11:45 John R. Barry, *College of Health Related Services, University of Florida*. The prognostic implication of patient responses to flickering light.
- 12:00 E. F. Morgan, Jr., *Alma College*, and B. Sutton-Smith, *Bowling Green State University*. The relationship of a group administration of the Bender-Gestalt test to clinical and sociometric measures among pre-adolescent children.
- 12:15 John O. Crites, *University of Iowa*. Gough's theory of psychopathy and the delinquency scale.

ANIMAL DISCRIMINATION LEARNING

FRIDAY, 10:45 A.M.-12:15 P.M.
Venetian Room, Second Floor

Martin M. Shapiro, *University of Houston*, Chairman

- 10:45 Harold J. Fletcher and Ken-ichi Takemura, *University of Wisconsin Primate Laboratory*. Prompted versus trial-and-error learning in monkeys.
- 11:00 Jon L. Williams and David R. Thomas, *Kent State University*. Stimulus generalization following three-stimulus discrimination training.
- 11:15 John Sheldon Lloyd and Nils James Carlson, *Western Reserve University*. An investigation of the uniprocess theory of discrimination learning in young monkeys.
- 11:30 Philip B. Gough, *University of Minnesota*. A test of the mediation hypothesis in rats.

11:45 James R. Ison, *University of Wisconsin-Milwaukee*. T-maze alternation as a function of drive and number of trials.

12:00 Jackson Hammond and Nils J. Carlson, *Western Reserve University*. Effects of long intertrial intervals upon alternation and learning in the T-maze.

PERCEPTION II

FRIDAY, 10:15 A.M.-12 M.
Hollywood Room, Mezzanine

Herbert Pick, Jr., *University of Wisconsin*, Chairman

- 10:15 John C. Pollard and Leonard Uhr, *Mental Health Research Institute, The University of Michigan*, and C. Wesley Jackson, Jr., *Mental Health Research Institute, The University of Michigan, and Veterans Administration Hospital, Dearborn, Michigan*. A comparison of relatively neutral versus relatively suggestive instructions on sensory deprivation behavior.
- 10:30 Theodore Schaefer, Jr., and Niles Bernick, *University of Chicago*. Role of suggestion in sensory deprivation.
- 10:45 Willard R. Thurlow and Anita E. Marten, *University of Wisconsin*. Spatial localization effects with alternating thermal noise stimuli.
- 11:00 Victor E. McGee, *University of Illinois*. Affective components of processed speech.
- 11:15 Lawrence R. Boulter and Jack A. Adams, *University of Illinois*. An evaluation of the arousal hypothesis of human vigilance.
- 11:30 Norman C. Meier, *University of Iowa*. The measurement of aesthetic perception.
- 11:45 Albert E. Bartz, *Concordia College*. Eye-movement latency, duration and response time as a function of angular displacement.

CONCEPT FORMATION

FRIDAY, 10:45 A.M.-12:15 P.M.
Cotillion Room, Mezzanine

Morton W. Weir, *University of Illinois*, Chairman

10:45 Kirk H. Smith and James J. Jenkins, *University of Minnesota*. Semantic generalization from pictures to names.

- 11:00 **Howard B. Ranken and Benton J. Underwood**, *Northwestern University*. Verbal and nonverbal representations in the symbolic manipulation of shapes.
- 11:15 **John T. Greene and John R. Schuck**, *Bowling Green State University*. The fate of irrelevant stimulus dimensions in concept formation.
- 11:30 **Paul E. Kauffman, Winifred Ingram, Ralph D. Rabinovitch, A. Edward Katz, Janice M. Lynn, and Kiyoko Ching**, *Hawthorn Center*, and **Muriel Potter Langman**, *Eastern Michigan University and Hawthorn Center*. Initial evaluation of a test of children's conceptualizations concerning orientation in time and space.
- 11:45 **Abarham Blum**, *Southern Illinois University*, **Bess Gene Holt**, *Iowa State University*, and **Charles Schwenkner**, *Southern Illinois University*. Abstraction ability in young children.
- 12:00 **I. David Isaacs and Carl P. Duncan**, *Northwestern University*. Reversal and nonreversal shifts within and between dimensions in concept formation.

HUMAN GENERALIZATION AND DISCRIMINATION

FRIDAY, 10:15 A.M.-12 M.
Embassy Room, Mezzanine

William F. Battig, *University of Virginia*, Chairman

- 10:15 **Richard E. Wiehe, Bert Richardson, Rachel Rice, and Richard Loeff**, *Indiana University*. Response analysis to compound stimuli.
- 10:30 **James R. Erickson**, *University of Minnesota*. Recognition memory for words as a discrimination process.
- 10:45 **Marcia D. Johns**, *Ohio University*. Discrimination of patterns and transfer to new stimulus combinations.
- 11:00 **David R. Thomas and Richard Hiss**, *Kent State University*. A test of the "units hypotheses" employing wave length generalization in human Ss.
- 11:15 **Donald Dorfman, Arthur Platz, and Robert Zajonc**, *Research Center for Group Dynamics, University of Michigan*. Some effects of extraneous sound on discrimination behavior.
- 11:30 **Richard H. Hiss and David R. Thomas**, *Kent State University*. A comparison of two methods for obtaining wave length generalization gradients.
- 11:45 **Donald R. Brown**, *The Ohio State University*. Form stimulus correlates of discrimination performance.

CLINICAL PSYCHOLOGY

FRIDAY, 1:00-3:00 P.M.
Grand Ballroom, First Floor

Mavis Hetherington, *University of Wisconsin*, Chairman

- 1:00 **Elizabeth Ferrel**, *St. Louis State Hospital*, and **Ralph S. Long, Jr.**, *Andrews Air Force Base*. Behavioral changes observed in remotivation sessions.
- 1:15 **Norman E. Bowers**, *Purdue University*. Verbal and material incentives for learning with educable mentally handicapped children.
- 1:30 **David P. Grace**, *Veterans Administration Hospital, Danville, Illinois*. Predicting progress by schizophrenics in a work-oriented rehabilitation program.
- 1:45 **Robert E. Jones and Roy M. Hamlin**, *Veterans Administration Hospital, Danville, Illinois*. Vocabulary deficit in improved and unimproved schizophrenics.
- 2:00 **John E. True**, *Veterans Administration Hospital, Cincinnati, Ohio*. The verbal conditioning of abstract responses in process and reactive schizophrenic patients.
- 2:15 **James F. Lomont**, *Larue D. Carter Memorial Hospital*. Schizophrenic thought deficit for problems of anxiety arousing content.
- 2:30 **Lawrence J. Bookbinder**, *Ann Arbor VA Hospital*, and **Lawrence J. Gusman**, *University of Michigan*. Social attainment, premorbid adjustment, and participation in inpatient psychiatric treatment.
- 2:45 **Irvin Kremen**, *Michigan State University*. A re-appraisal of rapid eye movements as an index of dreaming.

COMPARATIVE PSYCHOLOGY

FRIDAY, 12:45-3:00 P.M.
Venetian Room, Second Floor

Alvin Goldstein, *University of Missouri*, Chairman

- 12:45 **Calvin K. Adams and Merrill Noble**, *Kansas State University*. Efficiency of conditioning in pigs, as a function of CS-US interval.
- 1:00 **Jerome H. Woolpy and Theodore Schaefer, Jr.**, *University of Chicago*. Exploration in the cockroach.
- 1:15 **Niles Bernick and Theodore Schaefer, Jr.**, *University of Chicago*. Response to stimulus change and complexity in the cockroach, *periplaneta americana*.

- 1:30 **James N. Shafer and Charles D. Corman**, *West Virginia University*. The response of planaria to shock.
- 1:45 **William D. Kalberer**, *Purdue University*. Maternal behavior in the rabbit: some effects of environmental variation.
- 2:00 **Gloria J. Fischer and Saul L. Kitchener**, *University of Oklahoma*. Learning in orang-utans I: solution of patterned string problems.
- 2:15 **Gilbert W. Meier and Charles J. Vierck**, *Laboratory of Perinatal Physiology and University of Florida*. The development of responsiveness to visual stimulation in the Siamese kitten.
- 2:30 **William A. Mason and Gershon Berkson**, *Yerkes Laboratories of Primate Biology*. Effects of social contact on distress vocalizations of infant chimpanzees.
- 2:45 **Roger E. Ulrich**, *Illinois Wesleyan University*, and **Nathan H. Azrin**, *Behavior Research Laboratory, Anna State Hospital*. Reflexive aggression between paired rats.

SENSORY PROCESSES—PSYCHOPHYSICS

FRIDAY, 12:45-3:00 P.M.
Hollywood Room, Mezzanine

John W. Donahoe, *University of Kentucky*, Chairman

- 12:45 **Edward D. Turner and William Bevan**, *Kansas State University*. The simultaneous induction of multiple anchor effects in the judgment of form.
- 1:00 **Soon Duk Koh**, *State Hospital, Jamestown, North Dakota*. Relationship between ratio scale and confusion scale in affective judgments of music.
- 1:15 **Daniel J. Weintraub**, *University of Illinois*. Form discrimination, an interpretation in terms of signal detection theory.
- 1:30 **Gordon F. Pitz**, *Carnegie Institute of Technology*. Frequency of two types of errors as a function of the visibility of the stimulus in visual detection.
- 1:45 **Joan Faye Pritchard and William Bevan**, *Kansas State University*, and **Walter G. Reed**, *Ohio State University*. Single-stimulus judgments of loudness as a function of presentation-interval.
- 2:00 **Kenneth M. Michels and Anne W. Schumacher**, *Purdue University*. An experimental study of color vision in tree squirrels.

- 2:15 **Gerald H. Jacobs**, *Indiana University*. Color vision of the squirrel monkey.
- 2:30 **Harry W. Karn**, *Carnegie Institute of Technology*. The effect of systematic and non-systematic presentation of stimuli on peripheral visual acuity.
- 2:45 **Lee Rainwater**, *Social Research Inc., Chicago*, and **Benjamin Wright**, *University of Chicago*. The meaning of hue, lightness and saturation.

HUMAN LEARNING AND CONDITIONING

FRIDAY, 1:00-2:30 P.M.
Cotillion Room, Mezzanine

Robert I. Long, *Menninger Foundation*, Chairman

- 1:00 **Alfred H. Shephard**, *University of Toronto*, and **David S. Abbey**, *Defence Research Medical Laboratories*. Perceptual components of subject-display relations, and performance on a complex perceptual-motor task.
- 1:15 **Kenneth A. Blick and Edward A. Bilodeau**, *Tulane University*. Interpolated activity and the learning of a simple skill.
- 1:30 **Gediminas Namikas and E. James Archer**, *University of Wisconsin*. Pursuit rotor performance as a function of the difficulty and duration of the training task and the length of the transfer interval.
- 1:45 **John W. Moore**, *Indiana University*. Differential eyelid conditioning as a function of "similarity" and intensity of the positive and negative CS.
- 2:00 **C. Michael Levy, Alton Clark, and David A. Grant**, *University of Wisconsin*. Classically conditioned discrimination-reversal.
- 2:15 **Stephen Kitai, Eli Saltz, and David Asdourian**, *Center for the Study of Cognitive Processes, Wayne State University*. Two factor theory: relationship between drive reduction and UCS duration.

PROBABILITY LEARNING AND DECISION MAKING

FRIDAY, 12:45-3:00 P.M.
Embassy Room, Mezzanine

James L. Grisell, *Wayne State University*, Chairman

- 12:45 **Harry L. Madison and Jautrite Kvietins**, *University of Wisconsin-Milwaukee*. Asymmetric reinforcing events in verbal conditioning.

- 1:00 **Richard S. Bogartz**, *Iowa Child Welfare Research Station, University of Iowa*. Sequential dependencies in children's probability learning.
- 1:15 **Sherman L. Guth** and **Raymond W. Frankmann**, *University of Illinois*. Probability learning as a function of indicated randomness and amount of payoff.
- 1:30 **Harold J. Johnson** and **Charles W. Eriksen**, *University of Illinois*. Decision making, conflict and physiological arousal.
- 1:45 **Samuel S. Komorita**, *Wayne State University*. A preliminary test of a model for decision making under risk.
- 2:00 **Raymond L. Johnson** and **Robert H. Ressler**, *Western Reserve University*. The effect of subjective probability of winning on the utility of monetary payoffs.
- 2:15 **Donald R. Hoffeld**, *Louisiana State University*. Effect of number of alternatives and likelihood value of information upon choice behavior.
- 2:30 **Duane R. Martin** and **David LaBerge**, *University of Minnesota*. Confidence measures in a prediction situation.
- 2:45 **Ward Edwards** and **Paul Slovic**, *Institute of Science and Technology, University of Michigan*. Buying information to reduce the risk of decisions.

SYMPOSIUM

FRIDAY, 1:00-3:00 P.M.
Madison Room, Third Floor

APPROACHES TO CONSUMER BEHAVIOR

James C. Naylor, *Ohio State University*, Chairman

Consumer needs in packaging. **Howard G. Schutz**, *Battelle Memorial Institute*.

The effect of advertising upon the consumer. **Joseph C. Franklin**, *Campbell-Mithum*.

Surveys as predictors of consumer behavior. **Francis J. Pilgrim**, *National Institute of Mental Health*.

Novel applications of consumer research methods. **Robert Perloff**, *Purdue University*.

Discussant: **Stewart H. Britt**, *Northwestern University*.

BUSINESS MEETING

FRIDAY, 3:00 P.M.
Cotillion Room, Mezzanine

Agenda will be posted at the Registration Desk by noon Friday.

PRESIDENTIAL ADDRESS

FRIDAY, 4:00 P.M.
Terrace Casino, Lower Lobby

Marion E. Bunch, *Washington University*, Chairman

"THE THINGS PEOPLE SAY TO THEMSELVES"

I. E. Farber, *State University of Iowa*

SOCIAL HOUR

FRIDAY, 5:00 P.M.
Terrace Casino Foyer, Lower Lobby

SYMPOSIUM

FRIDAY, 8:00-10:00 P.M.
Grand Ballroom, First Floor

STIMULUS GENERALIZATION AND SCHIZOPHRENIA

Gerald Rosenbaum, *Wayne State University*, Chairman and Discussant

Overgeneralization about schizophrenics. **Arnold H. Buss**, *University of Pittsburgh*.

Stimulus generalization and verbal behavior in schizophrenia. **Loren J. Chapman**, *University of Kentucky*.

Variables influencing generalization in schizophrenia. **Bertram D. Cohen**, *Lafayette Clinic*.

Behavior theory and schizophrenia. **Sarnoff A. Mednick**, *University of Michigan*.

SYMPOSIUM

FRIDAY, 8:00-10:00 P.M.
Venetian Room, Second Floor

SEQUENTIAL VERBAL BEHAVIOR

Neal F. Johnson, *Ohio State University*, Chairman

Grammar and language learning. **Robert Lees**, *Department of English, University of Illinois*.

- Linguistics and language behavior. **Howard Maclay**, *University of Illinois*.
 A mediational account of grammatical phenomena. **James J. Jenkins**, *University of Minnesota*.
 Verbal sequencing without mediation. **Reed Lawson**, *Ohio State University*.
Discussants: David Horton, University of Kentucky; David Premack, University of Missouri.

SOCIAL PSYCHOLOGY

SATURDAY, 8:30-10:15 A.M.
 Grand Ballroom, First Floor

Michael M. Reece, *Wayne State University*, Chairman

- 8:30 **V. Edwin Bixenstine** and **Clifford A. Levitt**, *Kent State University*. Decision in a reiterative N-person game as effected by interpersonal communication and knowledge of choice.
 8:45 **Richard H. Willis**, *Washington University*. Coalition formation in tetrads.
 9:00 **Leon H. Levy**, *Indiana University*. Conformance and deviance response set learning and generalization in social perception.
 9:15 **Pearl Mayo Gore** and **Julian B. Rotter**, *The Ohio State University*. The prediction of social action taking behavior.
 9:30 **Karel G. Knudsen** and **Charles F. Wrigley**, *Michigan State University*. An empirical analysis of attitudes underlying United Nations voting behavior.
 9:45 **Don A. Trumbo**, *Kansas State University*, and **Robert T. McCay**, *Dunlap and Associates*. Dogmatism, ethnocentrism, and judgments of outgroup size.
 10:00 **Harry C. Triandis** and **Martin Fishbein**, *University of Illinois*. Cognitive interaction in person perception.

EXPERIMENTAL BRAIN LESIONS

SATURDAY, 8:30-10:15 A.M.
 Cotillion Room, Mezzanine

Oakley S. Ray, *VA Research Hospital, Pittsburgh, Pa.*, Chairman

- 8:30 **Carlton E. Lintz**, **Michael F. Halasz**, **John A. Harvey**, and **Howard F. Hunt**, *University of Chicago*. Some long-term effects of septal lesions on CER conditioning in the rat under non-deprivation conditions.

- 8:45 **J. S. Schwartzbaum**, *University of Wisconsin*. Response for visual reinforcement following ablation of the amygdaloid complex in monkeys.
 9:00 **Joseph B. Thompson** and **Jerome S. Schwartzbaum**, *University of Wisconsin*. Auditory discrimination and generalization following rhinencephalic lesions in the rat.
 9:15 **Donald P. Scharlock** and **Samuel DeNosaquo**, *Roosevelt University*. The role of sensory cortex in sensory preconditioning.
 9:30 **John W. Somerville**, **O. J. Andy**, and **Donald P. Foshee**, *Department of Neurosurgery, University of Mississippi Medical School*. Evaluation of deleterious effects of chronic electrode implantation on an avoidance habit in the cat.
 9:45 **Roger W. McIntire**, *Louisiana State University*, and **Brendan A. Maher**, *Harvard University*. Selective loss of a bar-pressing habit as a function of the placement of frontal lesions.
 10:00 **F. Robert Treichler**, **David A. Yutzey**, and **Donald R. Meyer**, *The Ohio State University*. Comparison of preference effects on discrimination learning in normal and brain-damaged monkeys.

MOTIVE-INCENTIVE CONDITIONS I

SATURDAY, 8:30-10:30 A.M.
 Hollywood Room, Mezzanine

James Ison, *University of Wisconsin-Milwaukee*

- 8:30 **Martin M. Shapiro**, *University of Houston*. Temporal relation between salivation and lever pressing with differential reinforcement of low rates.
 8:45 **Harvard L. Armus**, **Stephen R. Schroeder**, **James F. Guinan**, and **Ronald Crowell**, *The University of Toledo*. Secondary reinforcement strength and primary reinforcement schedule: single group technique.
 9:00 **Kenneth P. Goodrich**, *University of Pennsylvania*, **Robert Teghtsoonian**, *University of Western Ontario*, and **A. Martin Wall**, *University of Pennsylvania*. Runway performance under "fixed ratio" reinforcement following acquisition under continuous reinforcement.
 9:15 **William F. Reynolds**, *Queens College*, **Martin L. Richter**, *Indiana University*, and **Milton M. Schwartz**, *Rutgers University*. Acquisition and extinction of a running response as a function of reinforcement schedule and reward magnitude.
 9:30 **Milton A. Trapold**, *University of Iowa*. The effect of incentive motivation on an unrelated reflex response.

- 9:45 **John W. Donahoe**, *University of Kentucky*. The reinforcing effects of light-onset as a function of the variability of stimulation.
- 10:00 **Joan S. Lockard**, *University of Wisconsin*. Choice of a warning signal or no warning signal in an unavoidable shock situation.
- 10:15 **William C. Holz** and **Nathan H. Azrin**, *Anna State Hospital*. Alterations in the frequency of reinforcement during punishment.

PHYSIOLOGICAL PSYCHOLOGY I

SATURDAY, 8:30-10:45 A.M.
Clark Room, Third Floor

Sheldon Lachman, *Wayne State University*, Chairman

- 8:30 **Joan Havlena**, *Lafayette Clinic*, and **Jack Werboff**, *Wayne State University*. Postnatal effects of control fluids administered to gravid rats.
- 8:45 **Robert M. Stern** and **Morton Gollender**, *Indiana University*. Audiogenic seizures: are they remembered?
- 9:00 **Arnold A. McDowell** and **W. Lynn Brown**, *University of Texas*. Some evidence of "psychic blindness" in monkeys with focal-head irradiation of the temporal lobes.
- 9:15 **Ronald M. Sindberg**, *State of Wisconsin, Division of Mental Hygiene*. Characteristics of visual evoked potentials from various regions of cat's suprasylvian cortex.
- 9:30 **George H. Crampton**, *US Army Medical Research Laboratory*. Effects of visual experience on vestibular nystagmus habituation in the cat.
- 9:45 **Lee J. Grotz**, *Purdue University*. Estrogen and age of young as factors affecting maternal behavior in the rat.
- 10:00 **Norman E. Spear** and **Stephen E. Glickman**, *Northwestern University*. Comparison of the reinforcing effect of brain stimulation on Skinner box, runway, and T-maze performance.
- 10:15 **B. P. H. Poschel** and **Sylvia C. Stanat**, *Parke, Davis Company*. Effect of electroconvulsive shock on the reward system of the brain.
- 10:30 **Donald P. Foshee**, *University of Mississippi Medical School*. Cortical after-discharges and delay of discrimination responses.

VERBAL LEARNING

SATURDAY, 8:30-10:45 A.M.
Venetian Room, Second Floor

Alfred H. Shephard, *University of Toronto*, Chairman

- 8:30 **Joseph Hammock** and **E. E. Bisbicos**, *Bell Telephone Laboratories*. Looping programs and corner-clipped books.
- 8:45 **Gordon N. Cantor**, **Joan H. Cantor**, and **Raymond Ditricks**, *Child Welfare Research Station, University of Iowa*. Observing behavior in preschool children as a function of stimulus complexity.
- 9:00 **Adrienne Barnwell** and **Lee Sechrest**, *Northwestern University*. Effects of vicarious reinforcement as related to age of children.
- 9:15 **Geoffrey Keppel** and **Benton J. Underwood**, *Northwestern University*. Proactive inhibition in short-term retention.
- 9:30 **James H. Korn**, *Carnegie Institute of Technology*, and **Richard H. Lindley**, *Trinity University*. Immediate memory for consonants as a function of frequency of occurrence and frequency of appearance.
- 9:45 **Robert I. Long**, *The Menninger Foundation*. Field-articulation as a factor in verbal learning and recall.
- 10:00 **Clyde E. Noble** and **Charles H. Koski**, *Montana State University*. Serial CVC learning as a function of verbal abilities.
- 10:15 **William F. Caul**, *Carnegie Institute of Technology*. The effect of list structure and learning method on serial list acquisition.
- 10:30 **Sue Taylor**, **Donald Yelin**, and **I. E. Farber**, *University of Iowa*. The relation between the familiarity and the evaluative rating of words.

PSI CHI

SATURDAY, 9:00 A.M.-12:50 P.M.
Madison Room, Third Floor

PAPER SESSION, 9:00-10:50 A.M.

Howard B. Lyman, *University of Cincinnati*, Chairman

- Ellen V. McEvoy**, *Baldwin-Wallace College*. An investigation of student's feelings in classroom situations.
- Barry McLaughlin**, *St. Louis University*. The effects of instructions and sex on relevant and irrelevant cue learning.
- Marilyn J. Neil**, *MacMurray College*. Emotional and descriptive responses of children (grades 1-5) to animate and inanimate stimuli.

Ken Klauck, *University of Wisconsin-Milwaukee*. Stimulus vividness in intentional and incidental learning of paranoid schizophrenics.

Burton L. Alperson, *Baldwin-Wallace College*. Telepathy: the effects of friendship and chance.

Norma G. Johnson, *University of Nebraska*. The necessity of differentiating types of bar pressing responses to get an index of learning in the Skinner box.

Gerald P. Chubb, *Ohio State University*. Human factors research in vehicular control.

INVITED ADDRESS, 11:00 A.M.

Wesley AllinSmith, *University of Cincinnati*, Chairman

"GROUP PROBLEM SOLVING"

Norman R. F. Maier, *University of Michigan*

INFORMAL BUSINESS MEETING AND COFFEE HOUR, 12:00 M.

Open to all student and faculty members of Psi Chi.

OPEN MEETING

SATURDAY, 9:00-11:00 A.M.
Walnut Room, Second Floor

Corresponding Committee of Fifty of APA Division 12.

HUMAN BRAIN DAMAGE

SATURDAY, 10:30-11:45 A.M.
Grand Ballroom, First Floor

Alfred Lit, *Southern Illinois University*, Chairman

10:30 Robert R. Alvarez, *Western Reserve University and University Hospitals of Cleveland*. A comparison of the effects of reactive depression and brain lesions on language abilities.

10:45 Homer B. C. Reed, Jr., *Indiana University Medical Center*. Changes in intelligence test performances associated with lateralized motor deficits.

11:00 Hallgrim Klove, *Indiana University Medical Center*. The relationship of neurological status to psychological test performance.

11:15 Daniel V. Caputo, William E. Edmonston, Jr., and Luciano L'Abate, *Washington University School of Medicine*. Type of brain-damage and intellectual functioning in children.

11:30 Kathleen B. Fitzhugh, *New Castle State Hospital*. The effects of current and chronic lateralized brain lesions upon Wechsler-Bellevue results.

MEASUREMENT

SATURDAY, 10:30 A.M.-12:00 M.
Cotillion Room, Mezzanine

John Crites, *University of Iowa*, Chairman

10:30 John Gaito, *Kansas State University*. Error terms in trend analyses.

10:45 Richard S. Gillmer and William A. Owens, *Purdue University*. Evaluation of an importance scale in the measurement of attitudes.

11:00 Donald A. Rock, *Purdue University*. A comparison of four methods for shortening a standardized test.

11:15 D. M. Goodrich, A. C. MacKinney, and L. Wolins, *Iowa State University*. Are attitude scales metathetic?

11:30 John E. Overall, *Kansas State University*. A conditional probability approach to classification problems.

11:45 Sherwood H. Peres and J. Robert Garcia, *Sandia Corporation, Albuquerque, New Mexico*. Performance dimensions of engineering positions.

MOTIVE-INCENTIVE CONDITIONS II

SATURDAY, 10:45 A.M.-12:15 P.M.
Hollywood Room, Mezzanine

Leonard E. Ross, *University of Wisconsin*, Chairman

10:45 Harold Babb, *Hobart and William Smith Colleges*. Additivity of habits based on shock and thirst.

11:00 Robert C. Beck, *Wake Forest College*. The effects of thirst intensity and incentive concentration on bar pressing.

11:15 Harold W. Coppock and Donald V. Huard, *Arizona State University*. Sensitization in shock escape training in a two choice situation.

11:30 Marvin J. Homzie, *University of Iowa*, and Leonard E. Ross, *University of Wisconsin*. Runway performance following a reduction in the concentration of a liquid reward.

11:45 Robert B. Lockard, *University of Wisconsin*. Self-regulated exposure to light by albino rats as a function of rearing luminance and test luminance.

12:00 A. G. Hundt and D. Premack, *University of Missouri*. Effect of running time on the reinforcement of drinking by running.

PHYSIOLOGICAL PSYCHOLOGY II

SATURDAY, 11:00 A.M.-12:45 P.M.
Clark Room, Third Floor

J. S. Schwartzbaum, *University of Wisconsin*, Chairman

- 11:00 Ronald Baenninger and Kenneth E. Moyer, *Carnegie Institute of Technology*. The effect of stress on water consumption of the rat.
- 11:15 Leonard E. Jarrard, *Washington and Lee University*. Effects of D-lysergic acid diethylamide on operant conditioning in the rat.
- 11:30 Loh Seng Tsai, *Tulane University*. Interrelated effects of dilantin and ECS upon one-trial reversal learning in rats.
- 11:45 Oakley S. Ray and Amedeo S. Marrazzi, *Veterans Administration Laboratories in Neuropsychiatry*. Tranquilizer effects on approach-avoidance behavior in rat.
- 12:00 Margaret L. Clay, *University of Michigan*. Conditions effecting voluntary alcohol consumption in laboratory rats.
- 12:15 Charles A. Haertzen and Harris E. Hill, *USPHS Hospital, Lexington, Kentucky*. Criterion analysis of seven drug scales.
- 12:30 Jack Werboff, Jacques S. Gottlieb, and Raymond Kesner, *Lafayette Clinic and Wayne State University*. Postnatal effects of tranquilizing drugs administered during gestation.

MEDIATIONAL PROCESSES

SATURDAY, 11:00 A.M.-12:30 P.M.
Venetian Room, Second Floor

Donald R. Hoffeld, *Louisiana State University*, Chairman

- 11:00 Coleman Paul, *Lafayette Clinic and Center for the Study of Cognitive Processes, Wayne State University*. Generalized inhibition of verbal associations.
- 11:15 Rosemary R. Hartman and David L. Horton, *University of Kentucky*. The role of associative direction in the facilitation of mediated association.
- 11:30 Neal F. Johnson, *Ohio State University*. The semantic mediation of a GSR.
- 11:45 James L. Grisell, *Lafayette Clinic and Wayne State University*. The role of meaning in the mediated generalization of avoidance behavior.

- 12:00 Richard L. Floyd, *University of Minnesota*. Semantic satiation: a replication and test of further implications.
- 12:15 Larry R. Goulet and Marilyn A. Rigby, *St. Louis University*. The utility of the semantic differential in the selection of neutral and affective words.

OPEN MEETING

SATURDAY, 1:00-3:00 P.M.
Venetian Room, Second Floor

PSYCHOTHERAPY: THE PUBLIC'S NEEDS VERSUS SOME WIDESPREAD ATTITUDES OF THE PSYCHOLOGY PROFESSION

Harriet E. O'Shea, *Purdue University*, Chairman

Are universities preparing the new Ph.D. adequately to do psychotherapy? Eugene T. Gendlin, *Wisconsin Psychiatric Institute, University of Wisconsin*.

How great is the public need for expert psychotherapy? Leonard Pearson, *Rest Haven Rehabilitation Hospital, Chicago*.

The psychologist as a psychotherapy practitioner and researcher: needs, problems and future development. Lawrence J. Bookbinder, *VA Hospital, Ann Arbor, Michigan*.

Discussant: J. McV. Hunt, *University of Illinois*.

ADDRESS CHANGES

Be sure to notify the Secretary promptly of changes of address. The Convention Program and other MPA mail is sent by bulk mail and will not reach you without your current, correct address.

Send changes to:

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