

# CURRENT LITERATURE IN EXPERIMENTAL PSYCHOLOGY

## HUMAN EXPERIMENTAL PSYCHOLOGY

### HUMAN DEVELOPMENT

- Benson, C., & Yonas, A. (Inst. of Child Devel., Univ. of Minnesota, Minneapolis, Minn. 55455). Development of sensitivity to static pictorial depth information. *Perception & Psychophysics*, 1973, 13, 361-366.
- Ciborowski, T. (Univ. of Hawaii, Honolulu, Hawaii 96822), & Cole, M. A developmental and cross-cultural study of the influences of rule structure and problem composition on the learning of conceptual classifications. *Journal of Experimental Child Psychology*, 1973, 15, 193-215.
- Masur, E. F., McIntyre, C. W., & Flavell, J. H. (Inst. of Child Devel., Univ. of Minnesota, Minneapolis, Minn. 55455). Developmental changes in apportionment of study time among items in a multitrial free recall task. *Journal of Experimental Child Psychology*, 1973, 15, 237-246.
- Palermo, D. S. (Lab. for the Study of the Symbolic Processes, Pennsylvania State Univ., University Park, Pa. 16802). More about less: A study of language comprehension. *Journal of Verbal Learning & Verbal Behavior*, 1973, 12, 211-221.
- Rogers, C. J., & Johnson, P. J. Attribute identification in children as a function of stimulus dimensionality. *Journal of Experimental Child Psychology*, 1973, 15, 216-221.
- Wilder, L. (Wisconsin R & D Ctr. for Cognitive Lrng., Univ. of Wisconsin, Madison, Wis. 53706), & Levin, J. R. A developmental study of pronouncing responses in the discrimination learning of words and pictures. *Journal of Experimental Child Psychology*, 1973, 15, 278-286.
- Yonas, A. (Inst. of Child Devel., Univ. of Minnesota, Minneapolis, Minn. 55455), & Hagen, M. Effects of static and motion parallax depth information on perception of size in children and adults. *Journal of Experimental Child Psychology*, 1973, 15, 254-265.

### PERCEPTUAL AND SENSORY PROCESSES

#### General

- Baron, J. (McMaster Univ., Hamilton, Ont., Canada). Perceptual dependence: Evidence for an internal threshold. *Perception & Psychophysics*, 1973, 13, 527-533.
- Ellis, H. D. (Univ. of Aberdeen, King's Coll., Old Aberdeen, AB9 2UB, Scotland). Proactive effects of interpolated anchors. *Journal of Experimental Psychology*, 1973, 98, 233-238.
- Herrick, R. M. (U.S. Nav. Air Devel. Ctr., Warminster, Pa. 18974). Psychophysical methodology: VI. Random method of limits. *Perception & Psychophysics*, 1973, 13, 548-554.
- Jeffress, L. A. (Univ. of Texas, Austin, Tex. 78712). The logistic distribution as an approximation to the normal curve. *Journal of the Acoustical Society of America*, 1973, 53, 1296.
- Pechacek, T. F. (Univ. of Texas, Austin, Tex. 78712), Bell, K. F., Cleland, C. C., Baum, C., & Boyle, M. Self-recognition in profoundly retarded males. *Bulletin of the Psychonomic Society*, 1973, 1, 328-330.
- Simpson, W. E. (SUNY, Oswego, N.Y. 13126). Latencies in intermodal spatial localization. *Journal of Experimental Psychology*, 1973, 99, 148-150.

### Aftereffects

- Shively, F. (Univ. of Manitoba, Winnipeg, Man., Canada). A new afterimage (color contrast afterimage?). *Perception & Psychophysics*, 1973, 13, 525-526.
- Wade, N. J. (Univ. of Dundee, Dundee DD1 4HN, Scotland). Orientation and spatial frequency effects on linear afterimages. *Perception & Psychophysics*, 1973, 13, 446-450.
- Walker, E. H. (U.S. Army Ballistic Rsch. Labs., Aberdeen Proving Ground, Md. 21005). A mathematical theory of optical illusions and figural aftereffects. *Perception & Psychophysics*, 1973, 13, 467-486.

### Vision

- Burchard, S. (Univ. of Vermont, Burlington, Vt. 05401), & Lawson, R. B. A U-shaped detection function for backward masking of similar contours. *Journal of Experimental Psychology*, 1973, 99, 35-41.
- Durham, R. L. (Vanderbilt Univ., Nashville, Tenn. 37240), & Nunnally, J. C. The effects of low and high levels of vigilance on subsequent visual exploratory behavior in humans. *Bulletin of the Psychonomic Society*, 1973, 1, 313-315.
- Howard, R. B. (Colgate Univ., Hamilton, N.Y. 13346), Wagner, M., & Mills, R. C. The superiority of the pair-comparisons method for scaling visual illusions. *Perception & Psychophysics*, 1973, 13, 507-512.
- Kahane, J., & Auerbach, C. (Yeshiva Univ., New York, N.Y. 10003). Effect of prior body experience on adaptation to visual displacement. *Perception & Psychophysics*, 1973, 13, 461-466.
- Lappin, J. S. (Vanderbilt Univ., Nashville, Tenn. 37240), & Harm, O. J. On the rate of acquisition of visual information about space, time, and intensity. *Perception & Psychophysics*, 1973, 13, 439-445.
- Over, R. (Univ. of Queensland, St. Lucia, Australia 4067), Long, N., & Lovegrove, W. Absence of binocular interaction between spatial and color attributes of visual stimuli. *Perception & Psychophysics*, 1973, 13, 534-540.
- Pollack, I. (Mental Health Rsch. Inst., Univ. of Michigan, Ann Arbor, Mich. 48104). Interaction effects in successive visual displays: An extension of the Eriksen-Collins paradigm. *Perception & Psychophysics*, 1973, 13, 367-373.
- Walker, E. H. (U.S. Army Ballistic Rsch. Labs., Aberdeen Proving Ground, Md. 21005). A mathematical theory of optical illusions and figural aftereffects. *Perception & Psychophysics*, 1973, 13, 467-486.
- Zubek, J. P. (Univ. of Manitoba, Winnipeg, Man., Canada), & Bross, M. Effect of prolonged monocular deprivation (homogeneous illumination) on the CFF of the nonoccluded and occluded eye. *Perception & Psychophysics*, 1973, 13, 499-501.

### Spatial Vision

- Benson, C., & Yonas, A. (Inst. of Child Devel., Univ. of Minnesota, Minneapolis, Minn. 55455). Development of sensitivity to static pictorial depth information. *Perception & Psychophysics*, 1973, 13, 361-366.
- Bradshaw, J. L. (Monash Univ., Clayton, Victoria 3168).

- Australia), Nettleton, N. C., & Patterson, K. Identification of mirror-reversed and nonreversed facial profiles in same and opposite visual fields. *Journal of Experimental Psychology*, 1973, 99, 42-48.
- Bregman, A. S. (McGill Univ., Montreal, P.Q., Canada), & Achim, A. Visual stream segregation. *Perception & Psychophysics*, 1973, 13, 451-454.
- Cegalis, J. A. (Dept. of Psychiat., Sch. of Med., Yale Univ., New Haven, Conn. 06510). Prism distortion and accommodative change. *Perception & Psychophysics*, 1973, 13, 494-498.
- Dobson, R. (General Motors Rsch. Labs., Warren, Mich. 48090), & Young, F. W. On the perception of a class of bilaterally symmetric forms. *Perception & Psychophysics*, 1973, 13, 431-438.
- Eriksson, E. S. (Univ. of Uppsala, Uppsala, Sweden). Distance perception and the ambiguity of visual stimulation: A theoretical note. *Perception & Psychophysics*, 1973, 13, 379-381.
- Gibson, J. J. (Cornell Univ., Ithaca, N.Y. 14850). Direct visual perception: A reply to Gyr. *Psychological Bulletin*, 1973, 79, 396-397.
- Hay, J. C. (Univ. of Wisconsin, Milwaukee, Wis. 53201), & Goldsmith, W. M. Space-time adaptation of visual position constancy. *Journal of Experimental Psychology*, 1973, 99, 1-9.
- Lack, L. C. (Sch. of Soc. Sci., Flinders Univ. of South Australia, Bedford Park, South Australia 5042). Amplitude of visual suppression during the control of binocular rivalry. *Perception & Psychophysics*, 1973, 13, 374-378.
- Massaro, D. W. (Univ. of Wisconsin, Madison, Wis. 53706). The perception of rotated shapes: A process analysis of shape constancy. *Perception & Psychophysics*, 1973, 13, 413-422.
- Schuck, J. R. (Bowling Green State Univ., Bowling Green, Ohio 43403). Factors affecting reports of fragmenting visual images. *Perception & Psychophysics*, 1973, 13, 382-390.
- Steinberg, W., & Sekuler, R. (Cresap Lab. of Neurosci. & Behav., Northwestern Univ., Evanston, Ill. 60201). Changes in visual spatial organization: Response frequency equalization versus adaptation level. *Journal of Experimental Psychology*, 1973, 98, 247-251.
- Uhlarik, J. J. (Kansas State Univ., Manhattan, Kans. 66506). Role of cognitive factors on adaptation to prismatic displacement. *Journal of Experimental Psychology*, 1973, 98, 223-232.
- Wade, N. J. (Univ. of Dundee, Dundee DD1 4HN, Scotland). Contour synchrony in binocular rivalry. *Perception & Psychophysics*, 1973, 13, 423-425.
- Wallach, H. (Swarthmore Coll., Swarthmore, Pa. 19081), & Huntington, D. Counteradaptation after exposure to displaced visual direction. *Perception & Psychophysics*, 1973, 13, 519-524.
- Yonas, A. (Inst. of Child Devel., Univ. of Minnesota, Minneapolis, Minn. 55455), & Hagen, M. Effects of static and motion parallax depth information on perception of size in children and adults. *Journal of Experimental Child Psychology*, 1973, 15, 254-265.
- the Acoustical Society of America, 1973, 53, 1237-1239.
- Kryter, K. D. (Stanford Rsch. Inst., Menlo Park, Calif. 94025). Impairment to hearing from exposure to noise. *Journal of the Acoustical Society of America*, 1973, 53, 1211-1234.
- Kryter, K. D. (Stanford Rsch. Inst., Menlo Park, Calif. 94025). Reply to the critiques of A. Cohen, H. Davis, B. L. Lempert, and W. D. Ward of the paper "Impairment to hearing from exposure to noise." *Journal of the Acoustical Society of America*, 1973, 53, 1244-1252.
- Lempert, B. L. (Natl. Inst. for Occupational Safety & Health, Cincinnati, Ohio 45202). Technical aspects of Dr. Kryter's paper "Impairment to hearing from exposure to noise" with respect to the NIOSH statistics. *Journal of the Acoustical Society of America*, 1973, 53, 1240-1241.
- McRobert, H. (Dept. of Electrical Eng., Univ. of Salford, Salford M5 4WT, Lancashire, England), & Ward, W. D. Damage-risk criteria: The trading relation between intensity and the number of nonreverberant impulses. *Journal of the Acoustical Society of America*, 1973, 53, 1297-1300.
- Ward, W. D. (Hearing Rsch. Lab., Univ. of Minnesota, Minneapolis, Minn. 55455). Comments on "Impairment to hearing from exposure to noise" by K. D. Kryter. *Journal of the Acoustical Society of America*, 1973, 53, 1242-1243.

#### *Auditory Discrimination*

- Berliner, J. E. (Ctr. for Communications Sci., Rsch. Lab. of Electronics, M.I.T., Cambridge, Mass. 02139), & Durlach, N. I. Intensity perception. IV. Resolution in roving-level discrimination. *Journal of the Acoustical Society of America*, 1973, 53, 1270-1287.
- Hollier, H. (Communication Sci. Lab., Univ. of Florida, Gainesville, Fla. 32601). Underwater sound localization in humans. *Journal of the Acoustical Society of America*, 1973, 53, 1288-1295.
- Molino, J. (Inst. for Basic Standards, Natl. Bureau of Standards, Washington, D.C. 20234). Perceiving the range of a sound source when the direction is known. *Journal of the Acoustical Society of America*, 1973, 53, 1301-1304.
- Moore, J. J., & Massaro, D. W. (Univ. of Wisconsin, Madison, Wis. 53706). Attention and processing capacity in auditory recognition. *Journal of Experimental Psychology*, 1973, 99, 49-54.
- Nábèlek, I. V. (Biocommunications Lab., Univ. of Maryland, College Park, Md. 20742), Nábèlek, A. K., & Hirsh, I. J. Pitch of sound bursts with continuous or discontinuous change of frequency. *Journal of the Acoustical Society of America*, 1973, 53, 1305-1312.
- Robinson, C. E. (Fluid Dynamics Rsch. Dept., General Motors Rsch. Labs., Warren, Mich. 48090), & Pollack, I. Interaction between forward and backward masking: A measure of the integrating period of the auditory system. *Journal of the Acoustical Society of America*, 1973, 53, 1313-1316.

#### *Speech Discrimination*

- Cohen, A. (Natl. Inst. for Occupational Safety & Health, Cincinnati, Ohio 45202). Some general reactions to Kryter's paper "Impairment to hearing from exposure to noise." *Journal of the Acoustical Society of America*, 1973, 53, 1235-1236.
- Davis, H. (Central Inst. for the Deaf, St. Louis, Mo. 63110). Some comments on "Impairment to hearing from exposure to noise" by K. D. Kryter. *Journal of*
- Crowder, R. G. (Yale Univ., New Haven, Conn. 06520). Precategorical acoustic storage for vowels of short and long duration. *Perception & Psychophysics*, 1973, 13, 502-506.
- McNeill, D. (Psycholinguistics Labs., Univ. of Chicago, Chicago, Ill. 60637), & Repp, B. Internal processes in speech perception. *Journal of the Acoustical Society of America*, 1973, 53, 1320-1326.
- Springer, S. P. (Hearing & Speech Sci., Stanford Univ.

Sch. of Med., Stanford, Calif. 94305). Hemispheric specialization for speech opposed by contralateral noise. *Perception & Psychophysics*, 1973, 13, 391-393.

Steinheiser, F. H., Jr. (J. F. Kennedy Habilitation Inst., Johns Hopkins Univ., 707 N. Broadway, Baltimore, Md. 21205), & Burrows, D. J. Chronometric analysis of speech perception. *Perception & Psychophysics*, 1973, 13, 426-430.

#### Other Senses

Jones, B. (Univ. of Queensland, St. Lucia, Queensland, Australia 4067). Is there any proprioceptive feedback? Comments on Schmidt (1971). *Psychological Bulletin*, 1973, 79, 386-388.

Moskowitz, H. R. (Pioneering Rsch. Lab., U.S. Army Natick Labs., Natick, Mass. 01760). Models of sweetness additivity. *Journal of Experimental Psychology*, 1973, 99, 88-98.

Schmidt, R. A. (Dept. of Physical Ed., Univ. of Michigan, Ann Arbor, Mich. 48104). Proprioception versus motor outflow in timing: A reply to Jones. *Psychological Bulletin*, 1973, 79, 389-390.

#### Skin Senses

Clark, W. C. (New York State Psychiat. Inst., 722 W. 168th St., New York, N.Y. 10032), & Dillon, D. J. SDT analysis of binary decisions and sensory intensity ratings to noxious thermal stimuli. *Perception & Psychophysics*, 1973, 13, 491-493.

Dillon, D. J. (New York State Psychiat. Inst., 722 W. 168th St., New York, N.Y. 10032). The reliability of an extrapolated measure of an aversive threshold of pain from radiant stimulation. *Perception & Psychophysics*, 1973, 13, 487-490.

Satran, R. (Dept. of Neurol., Univ. of Rochester Med. Ctr., Monroe Community Hosp., Rochester, N.Y. 14603), & Goldstein, M. N. Pain perception: Modification of threshold of intolerance and cortical potentials by cutaneous stimulation. *Science*, 1973, 180, 1201-1202.

Sheldon, P. E. (Villanova Univ., Villanova, Pa. 19085). Equal-onset contours of vibrotactile stimuli. *Perception & Psychophysics*, 1973, 13, 403-407.

#### PERFORMANCE

Antes, J. R. (Iowa State Univ., Ames, Iowa 50010), & Edwards, D. C. Information processing in the visual periphery. *Bulletin of the Psychonomic Society*, 1973, 1, 351-353.

Bradbury, H. (Univ. of Alberta, Edmonton, Alta., Canada), & Nelson, T. M. Transitivity and the patterns of adult preferences. *Bulletin of the Psychonomic Society*, 1973, 1, 337-339.

Dallett, J. (929 Gretna Green Way, Los Angeles, Calif. 90049). Theories of dream function. *Psychological Bulletin*, 1973, 79, 408-416.

Dyer, F. N. (Exptl. Psychol. Div., U.S. Army Med. Rsch. Lab., Fort Knox, Ky. 40121), & Severance, L. J. Stroop interference with successive presentations of separate incongruent words and colors. *Journal of Experimental Psychology*, 1973, 98, 438-439.

Entin, E. E. (Ohio Univ., Athens, Ohio 45701), & Raynor, J. O. Effects of contingent future orientation and achievement motivation on performance in two kinds of tasks. *Journal of Experimental Research in Personality*, 1973, 6, 314-320.

#### Psychomotor Tasks

Ells, J. G. (Univ. of Calgary, Calgary, Alta., Canada). Analysis of temporal and attentional aspects of

movement control. *Journal of Experimental Psychology*, 1973, 99, 10-21.

Krueger, L. E. (City Coll. of CUNY, New York, N.Y. 10031). Effect of irrelevant surrounding material on speed of same-different judgment of two adjacent letters. *Journal of Experimental Psychology*, 1973, 98, 252-259.

Lappin, J. S. (Vanderbilt Univ., Nashville, Tenn. 37240), & Disch, K. Latency operating characteristic: III. Temporal uncertainty effects. *Journal of Experimental Psychology*, 1973, 98, 279-285.

Lisper, H.-O. (Univ. of Uppsala, Uppsala, Sweden), & Ericsson, S. Effects of signal frequency on increase in reaction time in a 10-minute auditory monitoring task. *Journal of Experimental Psychology*, 1973, 98, 316-319.

Schmidt, R. A. (Dept. of Physical Ed., Univ. of Michigan, Ann Arbor, Mich. 48104). Proprioception versus motor outflow in timing: A reply to Jones. *Psychological Bulletin*, 1973, 79, 389-390.

Shulman, H. G. (Human Perf. Ctr., 404B W. 17th Ave., Columbus, Ohio 43210), & McConkie, A. S-R compatibility, response discriminability, and response codes in choice reaction time. *Journal of Experimental Psychology*, 1973, 98, 375-378.

Wing, A. M. (McMaster Univ., Hamilton, Ont., Canada), & Kristofferson, A. B. The timing of interresponse intervals. *Perception & Psychophysics*, 1973, 13, 455-460.

#### Attention

Barkóczi, I. (Eötvös Loránd Univ., Budapest, Hungary). Ontogenesis of the orientation reaction. *Studia Psychologica*, 1973, XV, 6-12.

Durham, R. L. (Vanderbilt Univ., Nashville, Tenn. 37240), & Nunnally, J. C. The effects of low and high levels of vigilance on subsequent visual exploratory behavior in humans. *Bulletin of the Psychonomic Society*, 1973, 1, 313-315.

Egeth, H. (Johns Hopkins Univ., Baltimore, Md. 21218), Atkinson, J., Gilmore, G., & Marcus, N. Factors affecting processing mode in visual search. *Perception & Psychophysics*, 1973, 13, 394-402.

Ells, J. G. (Univ. of Calgary, Calgary, Alta., Canada). Analysis of temporal and attentional aspects of movement control. *Journal of Experimental Psychology*, 1973, 99, 10-21.

Gardner, G. T. (Univ. of Michigan, Dearborn, Mich. 48128). Parallel perceptual processing and decisional strategies: A reinterpretation of the Shaw and LaBerge effect. *Perception & Psychophysics*, 1973, 13, 517-518.

Locher, P. J. (Montclair State Coll., Upper Montclair, N.J. 07043), & Nodine, C. F. Influence of stimulus symmetry on visual scanning patterns. *Perception & Psychophysics*, 1973, 13, 408-412.

Moore, J. J., & Massaro, D. W. (Univ. of Wisconsin, Madison, Wis. 53706). Attention and processing capacity in auditory recognition. *Journal of Experimental Psychology*, 1973, 99, 49-54.

Moore, S. F. (Rutgers Univ., Camden, N.J. 08102), & Gross, S. J. Influence of critical signal regularity, stimulus event matrix, and cognitive style on vigilance performance. *Journal of Experimental Psychology*, 1973, 99, 137-139.

Öhman, A. (Univ. of Uppsala, Slottsgränd 3, S-752 20 Uppsala, Sweden), & Bohlin, G. Magnitude and habituation of the orienting reaction as predictors of discriminative electrodermal conditioning. *Journal of Experimental Research in Personality*, 1973, 6, 293-299.

- Shinar, D., & Jones, M. R. (Ohio State Univ., Columbus, Ohio 43210). Effects of set-inducing instructions on recall from dichotic inputs. *Journal of Experimental Psychology*, 1973, 98, 239-245.
- Underwood, G. (Univ. of Nottingham, Nottingham, NG7 2RD, England). Control of selective attention and interference of processing in memory. *Journal of Experimental Psychology*, 1973, 99, 28-34.
- Warm, J. S. (Univ. of Cincinnati, Cincinnati, Ohio 45221), Riechmann, S. W., Grasha, A. F., & Seibel, B. Motivation in vigilance: A test of the goal-setting hypothesis of the effectiveness of knowledge of results. *Bulletin of the Psychonomic Society*, 1973, 1, 291-292.
- Yonas, A. (Univ. of Minnesota, Minneapolis, Minn. 55455), & Pittenger, J. Searching for many targets: An analysis of speed and accuracy. *Perception & Psychophysics*, 1973, 13, 513-516.

#### HUMAN LEARNING

- Fingeret, A. L. (Albion Coll., Albion, Mich. 49224), & Brogden, W. J. Effect of pattern in display by letters and numerals upon acquisition of serial lists of numbers. *Journal of Experimental Psychology*, 1973, 98, 339-343.
- Restle, F. (Indiana Univ., Bloomington, Ind. 47401). Serial pattern learning: Higher order transitions. *Journal of Experimental Psychology*, 1973, 99, 61-69.

#### Conditioning

- Carruthers, B. C. (London Psychiat. Hosp., London, Ont., N6A 4H1, Canada), & Lobb, H. Effect of CS duration on trace conditioning of mental retardates. *Psychological Reports*, 1973, 32, 1215-1219.
- Corah, N. L. (Dept. of Behav. Sci., SUNY, Buffalo, N.Y. 14226). The classical conditioning model of emotion: Aversive conditioning of complex stimuli. *Journal of Experimental Research in Personality*, 1973, 6, 283-288.
- Dawson, M. E. (Andrew Norman Rsch. Ctr., Gateway Hosp., 1891 Effie St., Los Angeles, Calif. 90026), & Dunn, F. W. Situational generality of conditioning phenomena: Stimulus generalization and component interaction. *Journal of Experimental Psychology*, 1973, 98, 440-442.
- Dawson, M. E. (Andrew Norman Rsch. Ctr., Gateway Hosp., 1891 Effie St., Los Angeles, Calif. 90026), & Reardon, P. Construct validity of recall and recognition postconditioning measures of awareness. *Journal of Experimental Psychology*, 1973, 98, 308-315.
- Lubow, R. E. (Tel-Aviv Univ., Ramat-Aviv, Israel). Latent inhibition. *Psychological Bulletin*, 1973, 79, 398-407.
- Newman, F. L. (EPPI, Henry Ave. & Abbottsford Rd., Philadelphia, Pa. 19129), Francis, J. C., West, A., & Covey, D. Differential eyelid conditioning: The generalization of reinforcement and of nonreinforcement. *Bulletin of the Psychonomic Society*, 1973, 1, 433-436.
- Öhman, A. (Univ. of Uppsala, Slottsgränd 3, S-752 20 Uppsala, Sweden), & Bohlin, G. Magnitude and habituation of the orienting reaction as predictors of discriminative electrodermal conditioning. *Journal of Experimental Research in Personality*, 1973, 6, 293-299.
- Patty, R. A. (Univ. of Nebraska, Lincoln, Nebr. 68503), & Page, M. M. Manipulations of a verbal conditioning situation based upon demand characteristics theory. *Journal of Experimental Research in Personality*, 1973, 6, 307-313.

#### Discrimination Learning

- Cohen, J. S. (Univ. of Windsor, Windsor 11, Ont., Canada), Telegdy, G. A., Laroche, J. P., & Getz, Y. Cue utilization as a function of monetary incentive and learning efficiency. *Bulletin of the Psychonomic Society*, 1973, 1, 452-454.
- Eposito, N. J. (SUNY, Cortland, N.Y. 13045). Effects of stimulus novelty and dimensional saliency in human shift learning. *Journal of Experimental Psychology*, 1973, 98, 264-270.
- Hawkins, H. L. (Univ. of South Florida, Tampa, Fla. 33620), McDonald, G. J., & Cox, A. K. Effects of irrelevant information in speeded discrimination. *Journal of Experimental Psychology*, 1973, 98, 435-437.
- McGuirk, F. D. (Colorado State Univ., Fort Collins, Colo. 80521), & Hébert, J. A. Latency patterns in category judgments. *Bulletin of the Psychonomic Society*, 1973, 1, 457-459.
- Richardson, J. (SUNY, Binghamton, N.Y. 13901). Effect of speed of learning and degree of learning on cue selection. *Journal of Experimental Psychology*, 1973, 98, 396-403.
- Wilder, L. (Wisconsin R & D Ctr. for Cognitive Lrng., Univ. of Wisconsin, Madison, Wis. 53706), & Levin, J. R. A developmental study of pronouncing responses in the discrimination learning of words and pictures. *Journal of Experimental Child Psychology*, 1973, 15, 278-286.

#### Verbal Learning

- Arbuckle, T. Y. (Sir George Williams Univ., Montreal 107, P.Q., Canada), & Aznavour, L. Effectiveness of supplied mediators in relation to presentation modality and retrieval cue. *Journal of Experimental Psychology*, 1973, 98, 286-290.
- Berry, F. M. (Columbus Coll., Columbus, Ga. 31907), Dettmer, D. K., & Mulhern, T. Stimulus encoding as a function of modality: Aural versus visual paired-associate learning. *Journal of Experimental Psychology*, 1973, 99, 140-142.
- Kennedy, A. (Univ. of Dundee, Dundee DD1 4HN, Scotland). Decision latencies to thematic and nonthematic distractors in prose. *Journal of Experimental Psychology*, 1973, 98, 432-434.
- Levin, I. P. (Univ. of Iowa, Iowa City, Iowa 52240), & Norman, K. L. An information integration approach to serial effects in verbal discrimination learning. *Bulletin of the Psychonomic Society*, 1973, 1, 450-452.
- Mo, S. S. (Univ. of Detroit, Detroit, Mich. 48221), & Ward, K. Temporal set and cue selectivity in paired-associate learning accompanying changes of the stimulus component duration. *Bulletin of the Psychonomic Society*, 1973, 1, 443-444.
- Perlmutter, L. C. (Virginia Polytech. Inst. & State Univ., Blacksburg, Va. 24061), & Monty, R. A. Effect of choice of stimulus on paired-associate learning. *Journal of Experimental Psychology*, 1973, 99, 120-123.
- Runquist, W. N. (Univ. of Alberta, Edmonton, Alta., Canada). Differences in coding processes responsible for interference in paired-associate learning. *Journal of Experimental Psychology*, 1973, 98, 404-412.
- Yuille, J. C. (Univ. of British Columbia, Vancouver, B.C., Canada). Changes in verb meaning and the sentence context effect in children's PA learning. *Journal of Experimental Child Psychology*, 1973, 15, 247-253.

#### Reinforcement

- Moffat, G. H. (Univ. of Southern Mississippi,

- Hattiesburg, Miss. 39401), & Koch, D. L. Escape performance as a function of delay of reinforcement and inescapable US trials. *Psychological Reports*, 1973, 32, 1255-1261.
- Morris, W. N. (Dartmouth Coll., Hanover, N.H. 03755), Marshall, H. M., & Miller, R. S. The effect of vicarious punishment on prosocial behavior in children. *Journal of Experimental Child Psychology*, 1973, 15, 222-236.
- Sanders, N. M. (Dept. of Ed. Psychol., Pennsylvania State Univ., University Park, Pa. 16802), & Tzeng, O. J. L. Learning outcomes and the learner's consistency seeking in rote and conceptual learning. *Journal of Experimental Psychology*, 1973, 98, 302-307.
- Wallace, R. F. (Univ. of California, San Diego, La Jolla, Calif. 92037), & Mulder, D. W. Fixed-ratio responding with human subjects. *Bulletin of the Psychonomic Society*, 1973, 1, 359-362.
- Warm, J. S. (Univ. of Cincinnati, Cincinnati, Ohio 45221), Riechmann, S. W., Grasha, A. F., & Seibel, B. Motivation in vigilance: A test of the goal-setting hypothesis of the effectiveness of knowledge of results. *Bulletin of the Psychonomic Society*, 1973, 1, 291-292.
- HUMAN MEMORY**
- Bellezza, F. S. (Ohio Univ., Athens, Ohio 45701), & Cheney, T. L. Isolation effect in immediate and delayed recall. *Journal of Experimental Psychology*, 1973, 99, 55-60.
- Crowder, R. G. (Yale Univ., New Haven, Conn. 06520). Precategorical acoustic storage for vowels of short and long duration. *Perception & Psychophysics*, 1973, 13, 502-506.
- Martin, D. W. (New Mexico State Univ., Las Cruces, N. Mex. 88003), Marston, P. T., & Kelly, R. T. Measurement of organizational processes within memory stages. *Journal of Experimental Psychology*, 1973, 98, 387-395.
- Staats, S. R. (Ohio State Univ., Newark, Ohio 43055), & Beattie, N. Serial recall and position cue in the verbal maze. *Psychological Reports*, 1973, 32, 1263-1266.
- Long-Term Memory**
- Corballis, M. C. (McGill Univ., Montreal, P.Q., Canada), & Miller, A. Scanning and decision processes in recognition memory. *Journal of Experimental Psychology*, 1973, 98, 379-386.
- Hintzman, D. L. (Univ. of Oregon, Eugene, Oreg. 97403), & Block, R. A. Memory for the spacing of repetitions. *Journal of Experimental Psychology*, 1973, 99, 70-74.
- Hintzman, D. L. (Univ. of Oregon, Eugene, Oreg. 97403), & Summers, J. J. Long-term visual traces of visually presented words. *Bulletin of the Psychonomic Society*, 1973, 1, 325-327.
- Howell, W. C. (Rice Univ., Houston, Tex. 77001). Storage of events and event frequencies: A comparison of two paradigms in memory. *Journal of Experimental Psychology*, 1973, 98, 260-263.
- Jones, M. R. (Ohio State Univ., Columbus, Ohio 43210). Higher order organization in serial recall of digits. *Journal of Experimental Psychology*, 1973, 99, 106-119.
- Kennedy, A. (Univ. of Dundee, Dundee DD1 4HN, Scotland). Decision latencies to thematic and nonthematic distractors in prose. *Journal of Experimental Psychology*, 1973, 98, 432-434.
- Lawrence, D. M., & Banks, W. P. (Pomona Coll., Claremont, Calif. 91711). Accuracy of recognition memory for common sounds. *Bulletin of the Psychonomic Society*, 1973, 1, 298-300.
- Meyer, D. E. (Bell Labs., Murray Hill, N.J. 07974). Correlated operations in searching stored semantic categories. *Journal of Experimental Psychology*, 1973, 99, 124-133.
- Underwood, G. (Univ. of Nottingham, Nottingham, NG7 2RD, England). Control of selective attention and interference of processing in memory. *Journal of Experimental Psychology*, 1973, 99, 28-34.
- Vogt, J., & Kimble, G. A. (Univ. of Colorado, Boulder, Colo. 80302). False recognition as a function of associative proximity. *Journal of Experimental Psychology*, 1973, 99, 143-145.
- Free Recall**
- Baden, D. R. (California State Univ., Fresno, Calif. 93710). Cued and uncued free recall of unrelated words following interpolated learning. *Journal of Experimental Psychology*, 1973, 98, 429-431.
- Bjork, R. A. (Human Perf. Ctr., Univ. of Michigan, Ann Arbor, Mich. 48104), & Woodward, A. E., Jr. Directed forgetting of individual words in free recall. *Journal of Experimental Psychology*, 1973, 99, 22-27.
- Kobasigawa, A. (Univ. of Windsor, Windsor, Ont., Canada), & Orr, R. R. Free recall and retrieval speed of categorized items by kindergarten children. *Journal of Experimental Child Psychology*, 1973, 15, 187-192.
- Long, D., & Allen, G. A. (Miami Univ., Oxford, Ohio 45056). Relative effects of acoustic and semantic relatedness on clustering in free recall. *Bulletin of the Psychonomic Society*, 1973, 1, 316-318.
- Masur, E. F., McIntyre, C. W., & Flavell, J. H. (Inst. of Child Devel., Univ. of Minnesota, Minneapolis, Minn. 55455). Developmental changes in apportionment of study time among items in a multitrial free recall task. *Journal of Experimental Child Psychology*, 1973, 15, 237-246.
- Santa, J. L. (Rutgers Univ., New Brunswick, N.J. 08903), Ruskin, A. B., & Yio, J. H. Mnemonic systems in free recall. *Psychological Reports*, 1973, 32, 1163-1170.
- Thompson, W. D. (VA Hosp., Newington, Conn. 06111). Measurement of alphabetical organization in free recall. *Psychological Reports*, 1973, 32, 1043-1047.
- Short-Term Memory**
- Darley, C. F. (Stanford Univ., Stanford, Calif. 94305), Tinklenberg, J. R., Hollister, T. E., & Atkinson, R. C. Marihuana and retrieval from short-term memory. *Psychopharmacologia (Berlin)*, 1973, 29, 231-238.
- Dillon, R. F. (Carleton Univ., Ottawa, Ont., Canada). Locus of proactive interference effects in short-term memory. *Journal of Experimental Psychology*, 1973, 99, 75-81.
- Gorfein, D. S. (Div. of Natural Sci., New Coll., Sarasota, Fla. 33578), & Jacobson, D. E. Memory search in a Brown-Peterson short-term memory paradigm. *Journal of Experimental Psychology*, 1973, 99, 82-87.
- Hopkins, R. H. (Washington State Univ., Pullman, Wash. 99163), Edwards, R. E., & Cook, C. L. Presentation modality, distractor modality, and proactive interference in short-term memory. *Journal of Experimental Psychology*, 1973, 98, 362-367.
- Jarvella, R. J. (Case Western Reserve Univ., Cleveland, Ohio 44106). Coreference and short-term memory for discourse. *Journal of Experimental Psychology*, 1973, 98, 426-428.
- Saba, A. K., & Turnage, T. W. (Iowa State Univ., Ames, Iowa 50010). Unit-sequence interference in short-term memory: Facilitation versus interference

- factors. *Journal of Experimental Psychology*, 1973, 98, 328-334.
- Schubert, R. E., Lively, B. L., & Reutener, D. B. (Smith Coll., Northampton, Mass. 01060). Release from proactive interference in the recall of sentences. *Journal of Experimental Psychology*, 1973, 98, 423-425.
- Smith, E. E. (Stanford Univ., Stanford, Calif. 94305), Chase, W. G., & Smith, P. G. Stimulus and response repetition effects in retrieval from short-term memory: Trace decay and memory search. *Journal of Experimental Psychology*, 1973, 98, 413-422.
- Yinger, R. J., & Johnson, W. L. (Whitworth Coll., Spokane, Wash. 99218). Cued forgetting: Short-term memory effect. *Psychological Reports*, 1973, 32, 1197-1198.

#### HUMAN THINKING

- Fryback, D. G. (Eng. Psychol. Lab., H.S.R.I., 2901 Baxter Rd., Ann Arbor, Mich. 48105), Goodman, B. C., & Edwards, W. Choices among bets by Las Vegas gamblers: Absolute and contextual effects. *Journal of Experimental Psychology*, 1973, 98, 271-278.
- Hodge, M. H. (Univ. of Georgia, Athens, Ga. 30601), & Pennington, F. M. Some studies of word abbreviation behavior. *Journal of Experimental Psychology*, 1973, 98, 350-361.

#### Concepts

- Bourne, L. E., Jr. (Inst. for the Study of Intellectual Behav., Univ. of Colorado, Boulder, Colo. 80302), & Miller, S. Some stimulus variables affecting solution shift performance. *Journal of Experimental Psychology*, 1973, 98, 291-296.
- Ciborowski, T. (Univ. of Hawaii, Honolulu, Hawaii 96822), & Cole, M. A developmental and cross-cultural study of the influences of rule structure and problem composition on the learning of conceptual classifications. *Journal of Experimental Child Psychology*, 1973, 15, 193-215.
- Jacobson, L. I. (Univ. of Miami, Coral Gables, Fla. 33124), Bernal, G., Greenson, L. E., Rich, J. J., & Millham, J. Intellectual and conceptual acquisition in retarded children: A follow-up study. *Bulletin of the Psychonomic Society*, 1973, 1, 340-342.
- Kahrs, C. R., & Haygood, R. C. (Arizona State Univ., Tempe, Ariz. 85281). Relevant redundancy in disjunctive concept learning. *Bulletin of the Psychonomic Society*, 1973, 1, 335-336.
- Laughlin, P. R. (Univ. of Illinois, Champaign, Ill. 61820). Focusing strategy in concept attainment as a function of instructions and task complexity. *Journal of Experimental Psychology*, 1973, 98, 320-327.
- Levison, M. J. (Indiana Univ., Bloomington, Ind. 47401), & Restle, F. Effects of blank-trial probes on concept-identification problems with redundant relevant cue solutions. *Journal of Experimental Psychology*, 1973, 98, 368-374.
- Raney, J. L. (Vanderbilt Univ., Nashville, Tenn. 37240), & Thomson, W. J. Conjunctive, inclusive disjunctive, and conditional concept identification with binary dimensions. *Journal of Experimental Psychology*, 1973, 99, 146-147.
- Rogers, C. J., & Johnson, P. J. (Univ. of New Mexico, Albuquerque, N. Mex. 87106). Attribute identification in children as a function of stimulus dimensionality. *Journal of Experimental Child Psychology*, 1973, 15, 216-221.

- Sanders, N. M. (Dept. of Ed. Psychol., Pennsylvania State Univ., University Park, Pa. 16802), & Tzeng, O. J. L. Learning outcomes and the learner's consistency seeking in rote and conceptual learning. *Journal of Experimental Psychology*, 1973, 98, 302-307.
- Wickens, T. D. (Univ. of California, Los Angeles, Calif. 90024), & Zax, B. Asymmetric attribute interaction in concept identification. *Journal of Experimental Psychology*, 1973, 98, 335-338.

#### SOCIAL PROCESSES

- Morris, W. N. (Dartmouth Coll., Hanover, N.H. 03755), Marshall, H. M., & Miller, R. S. The effect of vicarious punishment on prosocial behavior in children. *Journal of Experimental Child Psychology*, 1973, 15, 222-236.
- Posavac, E. J. (Loyola Univ., Chicago, Ill. 60626), & McKillip, J. Effects of similarity and endorsement frequency on attraction and expected agreement. *Journal of Experimental Research in Personality*, 1973, 6, 357-362.
- Wolosin, R. J. (Indiana Univ., Bloomington, Ind. 47401), Sherman, S. J., & Till, A. Effects of cooperation and competition on responsibility attribution after success and failure. *Journal of Experimental Social Psychology*, 1973, 9, 220-235.

#### Attitudes

- Richardson, L. P. (Montgomery County Community Coll., Blue Bell, Pa. 19422). Polarization in impression formation as a function of affect and range dispersion. *Bulletin of the Psychonomic Society*, 1973, 1, 289-290.
- Solar, D. (Univ. of California, Los Angeles, Calif. 90014), & Mehrabian, A. Impressions based on contradictory information as a function of affiliative tendency and cognitive style. *Journal of Experimental Research in Personality*, 1973, 6, 339-346.
- Veitch, R. (Kansas State Univ., Manhattan, Kans. 66502), & Griffitt, W. Attitude commitment: Its impact on the similarity-attraction relationship. *Bulletin of the Psychonomic Society*, 1973, 1, 295-297.

#### Social Influences

- Burnstein, E. (Inst. for Soc. Rsch., Univ. of Michigan, Ann Arbor, Mich. 48106), Vinokur, A., & Trope, Y. Interpersonal comparison versus persuasive argumentation: A more direct test of alternative explanations for group-induced shifts in individual choice. *Journal of Experimental Social Psychology*, 1973, 9, 236-245.
- Gross, A. E. (Ohio State Univ., Columbus, Ohio 43210), Riemer, B. S., & Collins, B. E. Audience reaction as a determinant of the speaker's self-persuasion. *Journal of Experimental Social Psychology*, 1973, 9, 246-256.
- Rosnow, R. L. (Temple Univ., Philadelphia, Pa. 19122), & Aiken, L. S. Mediation of artifacts in behavioral research. *Journal of Experimental Social Psychology*, 1973, 9, 181-201.
- Saiyadain, M. S. (Indian Inst. of Management, Ahmedabad, India), & Summers, D. A. The effects of influence conditions and discrepancy upon authoritarian conformity. *Bulletin of the Psychonomic Society*, 1973, 1, 357-358.

## ANIMAL LEARNING AND BEHAVIOR

#### METHODS

- Bonnet, K. A. (Stanford Rsch. Inst., Menlo Park, Calif. 94025). A method for the construction and use of

- contact occluders for small animals. *Physiology & Behavior*, 1973, 10, 623-625.
- Herberg, L. J. (Inst. of Neurol., The National Hosp.,

- Queen Sq., London WC1N 3BG, England), & Franklin, K. B. J. A variable inclined plane for blocking the rat's brain. *Physiology & Behavior*, 1973, 10, 617-618.
- Routtenberg, A. (Northwestern Univ., Evanston, Ill. 60201), & Taub, F. Hippocampus and superior colliculus: Congruent EEG activity demonstrated by a simple measure. *Behavioral Biology*, 1973, 8, 801-805.
- Tuddenham, A. (Dept. of Animal Husbandry, Univ. of Bristol, Bristol, England), Perry, G. C., & Brittain, P. A meter suitable for long-term activity studies on small animals. *Physiology & Behavior*, 1973, 10, 637-639.

#### DEVELOPMENT

- Gottlieb, G. (Dorothea Dix Hosp., Raleigh, N.C. 27611). Neglected developmental variables in the study of species identification in birds. *Psychological Bulletin*, 1973, 79, 362-372.

#### Genetics

- Hegmann, J. P. (Zool. Dept., Univ. of Iowa, Iowa City, Iowa 52240), & White, J. E. Nervous system function: Maternal effects on conduction velocity in mice. *Behavioral Biology*, 1973, 8, 815-818.
- Hogan, J. A. (Univ. of Toronto, Toronto 181, Ont., Canada). Development of food recognition in young chicks: I. Maturation and nutrition. *Journal of Comparative & Physiological Psychology*, 1973, 83, 355-366.
- Nash, D. J. (Dept. of Zool., Colorado State Univ., Ft. Collins, Colo. 80521). Influence of genotype and neonatal irradiation upon open-field locomotion and elimination in mice. *Journal of Comparative & Physiological Psychology*, 1973, 83, 458-464.
- Oliverio, A. (Laboratorio di Psicobiologia e Psicofarmacologia del C.N.R., via Reno 1, 00198 Rome, Italy), & Messeri, P. An analysis of single-gene effects on avoidance, maze, wheel running, and exploratory behavior in the mouse. *Behavioral Biology*, 1973, 8, 771-783.

#### Early Development

- Beatty, W. W. (North Dakota State Univ., Fargo, N. Dak. 58102). Postneonatal testosterone treatment fails to alter hormonal regulation of body weight and food intake of female rats. *Physiology & Behavior*, 1973, 10, 627-628.
- Hofer, M. A. (Dept. of Psychiat., Albert Einstein Coll. of Med. at Montefiore Hosp., 111 E. 210th St., Bronx, N.Y. 10467). The effects of brief maternal separations on behavior and heart rate of two week old rat pups. *Physiology & Behavior*, 1973, 10, 423-427.
- Hogan, J. A. (Univ. of Toronto, Toronto 181, Ont., Canada). Development of food recognition in young chicks: II. Learned associations over long delays. *Journal of Comparative & Physiological Psychology*, 1973, 83, 367-373.
- Johnson, D. A. (Ohio Univ., Athens, Ohio 45701), & Becker, T. M. Development of open-field activity in the rat following caudate lesions in infancy. *Bulletin of the Psychonomic Society*, 1973, 1, 331-332.
- Nash, D. J. (Dept. of Zool., Colorado State Univ., Ft. Collins, Colo. 80521). Influence of genotype and neonatal irradiation upon open-field locomotion and elimination in mice. *Journal of Comparative & Physiological Psychology*, 1973, 83, 458-464.
- Pappas, B. A. (Carleton Univ., Ottawa K1S 5B6, Ont., Canada), & DiCara, L. V. Neonatal sympathectomy by 6-hydroxydopamine: Cardiovascular responses in

- the paralyzed rat. *Physiology & Behavior*, 1973, 10, 549-553.
- Zajonc, R. B. (Univ. of Michigan, Ann Arbor, Mich. 48106), Reimer, D. J., & Hausser, D. Imprinting and the development of object preference in chicks by mere repeated exposure. *Journal of Comparative & Physiological Psychology*, 1973, 83, 434-440.

#### MOTIVATION AND EMOTION

- Sagales, T. (Universidad Autónoma de Barcelona, Facultad de Medicina, Departamento de Ciencias Fisiológicas, Barcelona, Spain), & Domino, E. F. Effects of stress and REM sleep deprivation on the patterns of avoidance learning and brain acetylcholine in the mouse. *Psychopharmacologia (Berlin)*, 1973, 29, 307-315.

#### Activity and Exploratory Behavior

- Andén, N.-E. (Dept. of Pharmacol., Univ. of Göteborg, Göteborg, Sweden), Strömbom, U., & Svensson, T. H. Dopamine and noradrenaline receptor stimulation: Reversal of reserpine-induced suppression of motor activity. *Psychopharmacologia (Berlin)*, 1973, 29, 289-298.
- Aschoff, J. (Max-Planck-Institut für Verhaltensphysiologie, 8131 Erling-Andechs, Germany), & von Saint Paul, U. Brain temperature as related to gross motor activity in the unanesthetized chicken. *Physiology & Behavior*, 1973, 10, 529-533.
- Bryant, R. C. (Brain Rsch. Inst. & Dept. of Biochem., Univ. of Tennessee Med. Units, Memphis, Tenn. 38105), Petty, F., & Byrne, W. L. Effects of piracetam (SKF 38462) on acquisition, retention, and activity in the goldfish. *Psychopharmacologia (Berlin)*, 1973, 29, 121-130.
- File, S. E. (City of London Polytech., London, England). Potentiation of the effects of chlorpromazine on exploration in the rat by a prior experience of the drug. *Psychopharmacologia (Berlin)*, 1973, 29, 357-363.
- Geyer, M. A. (Dept. of Psychiat., Univ. of California, San Diego, La Jolla, Calif. 92037), & Segal, D. S. Differential effects of reserpine and alpha-methyl-p-tyrosine on norepinephrine and dopamine induced behavioral activity. *Psychopharmacologia (Berlin)*, 1973, 29, 131-140.
- Jakubczak, L. F. (Gerontol. Psychol. Rsch. Lab., VA Hosp., St. Louis, Mo. 63125), & Gomer, F. E. Effects of food deprivation and initial levels on a wheel-running response to methamphetamine. *Bulletin of the Psychonomic Society*, 1973, 1, 343-345.
- Johnson, D. A. (Ohio Univ., Athens, Ohio 45701), & Becker, T. M. Development of open-field activity in the rat following caudate lesions in infancy. *Bulletin of the Psychonomic Society*, 1973, 1, 331-332.
- Nash, D. J. (Dept. of Zool., Colorado State Univ., Ft. Collins, Colo. 80521). Influence of genotype and neonatal irradiation upon open-field locomotion and elimination in mice. *Journal of Comparative & Physiological Psychology*, 1973, 83, 458-464.
- Oliverio, A. (Laboratorio di Psicobiologia e Psicofarmacologia del C.N.R., via Reno 1, 00198 Rome, Italy), & Messeri, P. An analysis of single-gene effects on avoidance, maze, wheel running, and exploratory behavior in the mouse. *Behavioral Biology*, 1973, 8, 771-783.

#### Hunger and Thirst

- Beatty, W. W. (North Dakota State Univ., Fargo, N. Dak. 58102). Postneonatal testosterone treatment fails to



- alter hormonal regulation of body weight and food intake of female rats. *Physiology & Behavior*, 1973, 10, 627-628.
- Bolles, R. C. (Univ. of Washington, Seattle, Wash. 98105), & Moot, S. A. The rat's anticipation of two meals a day. *Journal of Comparative & Physiological Psychology*, 1973, 8, 510-514.
- Christian, W. P., Jr. (Auburn Univ., Auburn, Ala. 36830), & Schaeffer, R. W. Effects of sucrose concentrations upon schedule-induced polydipsia on a FFI-60-sec. dry-food reinforcement schedule. *Psychological Reports*, 1973, 32, 1067-1073.
- Davis, J. D. (Univ. of Illinois, Chicago Circle, Chicago, Ill. 60680), & Campbell, C. S. Peripheral control of meal size in the rat: Effect of sham feeding on meal size and drinking rate. *Journal of Comparative & Physiological Psychology*, 1973, 83, 379-387.
- Galef, B. G., Jr. (McMaster Univ., Hamilton, Ont., Canada), & Sherry, D. F. Mother's milk: A medium for transmission of cues reflecting the flavor of mother's diet. *Journal of Comparative & Physiological Psychology*, 1973, 83, 374-378.
- Glick, S. D. (Dept. of Pharmacol., Mt. Sinai Sch. of Med., 100th St. & Fifth Ave., New York, N.Y. 10029), & Greenstein, S. Recovery of weight regulation following ablation of frontal cortex in rats. *Physiology & Behavior*, 1973, 10, 491-496.
- Gold, R. M. (SUNY, Cortland, N.Y. 13045). Cool water suppression of water intake: One day does not a winter make. *Bulletin of the Psychonomic Society*, 1973, 1, 385-386.
- Halboth, P. H. (Bernard Baruch Coll. of CUNY, 17 Lexington Ave., New York, N.Y. 10010), & Coons, E. E. Behavioral measurements of the neural poststimulation excitability cycle in the lateral hypothalamic eating system of the rat. *Journal of Comparative & Physiological Psychology*, 1973, 83, 429-433.
- Hogan, J. A. (Univ. of Toronto, Toronto 181, Ont., Canada). Development of food recognition in young chicks: I. Maturation and nutrition. *Journal of Comparative & Physiological Psychology*, 1973, 83, 355-366.
- Hogan, J. A. (Univ. of Toronto, Toronto 181, Ont., Canada). Development of food recognition in young chicks: II. Learned associations over long delays. *Journal of Comparative & Physiological Psychology*, 1973, 83, 367-373.
- Jakubczak, L. F. (Gerontol. Psychol. Rsch. Lab., VA Hosp., St. Louis, Mo. 63125), & Gomer, F. E. Effects of food deprivation and initial levels on a wheel-running response to methamphetamine. *Bulletin of the Psychonomic Society*, 1973, 1, 343-345.
- Johnson, A. K. (Dept. of Biol., Univ. of Pennsylvania, Philadelphia, Pa. 19174), & Fisher, A. E. Taste preferences for sucrose solutions and water under cholinergic and deprivation thirst. *Physiology & Behavior*, 1973, 10, 607-612.
- Johnson, A. K. (Dept. of Biol., Univ. of Pennsylvania, Philadelphia, Pa. 19174), & Fisher, A. E. Tolerance for quinine under cholinergic versus deprivation induced thirst. *Physiology & Behavior*, 1973, 10, 613-616.
- King, G. D. (Auburn Univ., Auburn, Ala. 36830), & Schaeffer, R. W. Developmental analysis of schedule-induced polydipsia. *Psychological Reports*, 1973, 32, 1087-1095.
- Levison, M. J. (Indiana Univ., Bloomington, Ind. 47401), Frommer, G. P., & Vance, W. B. Palatability and caloric density as determinants of food intake in hyperphagic and normal rats. *Physiology & Behavior*, 1973, 10, 455-462.
- Lotter, E. C., Woods, S. C. (Univ. of Washington, Seattle, Wash. 98195), & Vasselli, J. R. Schedule-induced polydipsia: An artifact. *Journal of Comparative & Physiological Psychology*, 1973, 83, 478-484.
- Redick, J. H. (Univ. of Virginia, Charlottesville, Va. 22901), Nussbaum, A. I., & Mook, D. G. Estradiol induced suppression of feeding in the female rat: Dependence on body weight. *Physiology & Behavior*, 1973, 10, 543-547.
- Swanson, L. W. (Lab. of Neuropsychol., Dept. of Psychiat., Washington Univ. Sch. of Med., St. Louis, Mo. 63110), Sharpe, L. G., & Griffin, D. Drinking to intracerebral angiotensin II and carbachol: Dose-response relationships and ionic involvement. *Physiology & Behavior*, 1973, 10, 595-600.
- Tonge, D. A., & Oatley, K. (Lab. of Exptl. Psychol., Univ. of Sussex, Brighton BN1 9QY, England). Feeding and arteriovenous differences of blood glucose in rats after injection with 2-deoxy-D-glucose and after food deprivation. *Physiology & Behavior*, 1973, 10, 497-505.
- Wise, R. A. (Sir George Williams Univ., Montreal, P.Q., Canada). Voluntary ethanol intake in rats following exposure to ethanol on various schedules. *Psychopharmacologia (Berlin)*, 1973, 29, 203-210.

#### Sexual and Maternal Behavior

- Adkins, E. K. (Bucknell Univ., Lewisburg, Pa. 17837). Functional castration of the female Japanese quail. *Physiology & Behavior*, 1973, 10, 619-621.
- Beauchamp, G. K. (Monell Chem. Senses Ctr., Univ. of Pennsylvania, Philadelphia, Pa. 19104). Attraction of male guinea pigs to conspecific urine. *Physiology & Behavior*, 1973, 10, 589-594.
- Bennet-Clark, H. C. (Dept. of Zool., Univ. of Edinburgh, Edinburgh, Scotland), Ewing, A. W., & Manning, A. The persistence of courtship stimulation in *Drosophila melanogaster*. *Behavioral Biology*, 1973, 8, 763-769.
- Eiberger, R. D., & Caggiula, A. R. (Univ. of Pittsburgh, Pittsburgh, Pa. 15213). Ventral midbrain involvement in copulatory behavior of the male rat. *Physiology & Behavior*, 1973, 10, 435-441.
- Larsson, K. (Unit of Psychobiol., Banerhgsgatan 1, uppg. 6, S-414 51 Göteborg, Sweden), & Södersten, P. Mating in male rats after section of the dorsal penile nerve. *Physiology & Behavior*, 1973, 10, 567-571.
- Perek, M. (Dept. of Poultry Sci. & Animal Hygiene, Hebrew Univ., Jerusalem Faculty of Agriculture, Rehovot, Israel), Ravona, H., Snapir, N., & Luxemburg, D. Sexual behaviour of white leghorn cocks bearing basal hypothalamic lesions in various locations. *Physiology & Behavior*, 1973, 10, 479-484.
- Pottier, J. J. G., & Baran, D. (Univ. of Western Ontario, London 72, Ont., Canada). A general behavioral syndrome associated with persistent failure to mate in the male laboratory rat. *Journal of Comparative & Physiological Psychology*, 1973, 83, 499-509.
- Ross, J. W. (Dept. of Anat. & Brain Rsch. Inst., UCLA Sch. of Med., Los Angeles, Calif. 90024), & Gorski, R. A. Effects of potassium chloride on sexual behavior and the cortical EEG in the ovariectomized rat. *Physiology & Behavior*, 1973, 10, 643-646.
- Rowe, F. A. (Illinois Inst. of Tech., Chicago, Ill. 60616), & Smith, W. E. Simultaneous and successive olfactory bulb removal: Influences on the mating behavior of male mice. *Physiology & Behavior*, 1973, 10, 443-449.
- Voci, V. E., & Carlson, N. R. (Univ. of Massachusetts,



Amherst, Mass. 01002). Enhancement of maternal behavior and nest building following systemic and diencephalic administration of prolactin and progesterone in the mouse. *Journal of Comparative & Physiological Psychology*, 1973, 83, 388-393.

#### SOCIAL AND ABNORMAL BEHAVIOR

- Boggan, W. O. (Dept. of Psychiat., Univ. of Chicago, Chicago, Ill. 60600), Steele, R. A., & Freedman, D. X.  $\Delta^9$ -tetrahydrocannabinol effect on audiogenic seizure susceptibility. *Psychopharmacologia* (Berlin), 1973, 29, 101-106.
- Lonowski, D. J. (Southern Illinois Univ., Carbondale, Ill. 62901), Levitt, R. A., & Larson, S. D. Mouse killing or carrying by male and female Long-Evans hooded rats. *Bulletin of the Psychonomic Society*, 1973, 1, 349-351.
- Petrinovich, L. (Univ. of California, Riverside, Calif. 92501), & Peeke, H. V. S. Habituation to territorial song in the white-crowned sparrow (*Zonotrichia leucophrys*). *Behavioral Biology*, 1973, 8, 743-748.
- Saegert, S. (Univ. of Michigan, Ann Arbor, Mich. 48104), & Rajewski, D. W. Effects of prior exposure to animate objects on approach tendency in chicks. *Behavioral Biology*, 1973, 8, 749-754.
- Wallace, P. (Univ. of Texas, Austin, Tex. 78712), Owen, K., & Thiessen, D. D. The control and function of maternal scent marking in the Mongolian gerbil. *Physiology & Behavior*, 1973, 10, 463-466.

#### Aggression

- Berg, D. S., & Baenninger, R. (Temple Univ., Philadelphia, Pa. 19122). Hissing by laboratory rats during fighting encounters. *Behavioral Biology*, 1973, 8, 733-741.
- Hucklebridge, F. H. (Dept. of Zool., The University, Hull, England), Nowell, N. W., & Dilks, R. A. Plasma catecholamine response to fighting in the male albino mouse. *Behavioral Biology*, 1973, 8, 785-800.
- Lutge, W. G. (Dept. of Neurosci., Univ. of Florida Coll. of Med., Gainesville, Fla. 32601), & Hall, N. R. Androgen-induced agonistic behavior in castrate male Swiss-Webster mice: Comparison of four naturally occurring androgens. *Behavioral Biology*, 1973, 8, 725-732.
- Melvin, K. B. (Univ. of Alabama, University, Ala. 35486), & Ervey, D. H. Facilitative and suppressive effects of punishment on species-typical aggressive display in *Betta splendens*. *Journal of Comparative & Physiological Psychology*, 1973, 83, 451-457.
- Milligan, W. L. (VA Hosp., Columbia, S.C. 29201), Powell, D. A., & Borasio, G. Sexual variables and shock-elicited aggression. *Journal of Comparative & Physiological Psychology*, 1973, 83, 441-450.
- Payne, A. P. (Dept. of Anat., Univ. of Birmingham, Med. Sch., Birmingham B15 2TJ, England). A comparison of the aggressive behaviour of isolated intact and castrated male golden hamsters towards intruders introduced into the home cage. *Physiology & Behavior*, 1973, 10, 629-631.
- ten Ham, M. (Natl. Inst. of Public Health, The Netherlands), & van Noordwijk, J. Lack of tolerance to the effect of two tetrahydrocannabinols on aggressiveness. *Psychopharmacologia* (Berlin), 1973, 29, 171-176.

#### SENSORY FUNCTIONS

- Clopton, B. M. (Univ. of California, Santa Barbara, Calif. 93106). Peripheral and central stimulus detection in auditory pathways of monkeys. *Physiology & Behavior*, 1973, 10, 573-580.

#### Vision

- Cerf-Beare, A. (Univ. of Maryland, Baltimore County, Baltimore, Md. 21228). Regions of response transition of color-coded retinal units and an attempted analogy to behavioral response transition. *Perception & Psychophysics*, 1973, 13, 541-547.
- Parker, T. D. (Loyola Univ., Chicago, Ill. 60626), & Treichler, F. R. The influence of restricted posterior neocortical ablation on brightness preference and brightness discrimination performance of rats. *Physiology & Behavior*, 1973, 10, 473-478.
- Pettigrew, J. (Dept. of Physiol.-Anat., Univ. of California, Berkeley, Calif. 94720), Olson, C., & Barlow, H. B. Kitten visual cortex: Short-term, stimulus-induced changes in connectivity. *Science*, 1973, 180, 1202-1203.

#### Lower Senses

- Beauchamp, G. K. (Monell Chem. Senses Ctr., Univ. of Pennsylvania, Philadelphia, Pa. 19104). Attraction of male guinea pigs to conspecific urine. *Physiology & Behavior*, 1973, 10, 589-594.
- Galef, B. G., Jr. (McMaster Univ., Hamilton, Ont., Canada), & Sherry, D. F. Mother's milk: A medium for transmission of cues reflecting the flavor of mother's diet. *Journal of Comparative & Physiological Psychology*, 1973, 83, 374-378.
- Heck, G. L. (Duke Univ., Durham, N.C. 27706), & Erickson, R. P. A rate theory of gustatory stimulation. *Behavioral Biology*, 1973, 8, 687-712.
- Houser, V. P. (VA Hosp., Perry Point, Md. 21902), & Paré, W. P. Measurement of analgesia using a spatial preference test in the rat. *Physiology & Behavior*, 1973, 10, 535-538.
- Reyes, R. (Washington Univ., St. Louis, Mo. 63130), Finger, S., & Frye, J. Serial thalamic lesions and tactile discrimination in the rat. *Behavioral Biology*, 1973, 8, 807-813.
- Rowe, F. A. (Illinois Inst. of Tech., Chicago, Ill. 60616), & Smith, W. E. Simultaneous and successive olfactory bulb removal: Influences on the mating behavior of male mice. *Physiology & Behavior*, 1973, 10, 443-449.
- Youth, R. A., Simmerman, S. J., Newell, R., & King, R. A. (Univ. of North Carolina, Chapel Hill, N.C. 27514). Ketamine anesthesia for rats. *Physiology & Behavior*, 1973, 10, 633-636.

#### ANIMAL LEARNING AND RETENTION

- Davis, H. (Univ. of Guelph, Guelph, Ont., Canada), Hubbard, J., & Reberg, D. A methodological critique of research of "superstitious" behavior. *Bulletin of the Psychonomic Society*, 1973, 1, 447-449.
- Hogan, J. A. (Univ. of Toronto, Toronto, 181, Ont., Canada). Development of food recognition in young chicks: II. Learned associations over long delays. *Journal of Comparative & Physiological Psychology*, 1973, 83, 367-373.
- Petrinovich, L. (Univ. of California, Riverside, Calif. 92501), & Peeke, H. V. S. Habituation of territorial song in the white-crowned sparrow (*Zonotrichia leucophrys*). *Behavioral Biology*, 1973, 8, 743-748.
- Plotkin, H. C. (MRC Unit on Neural Mechanisms of Behav., Univ. Coll. London, London, W.C.1, England), & Russell, I. S. Compensation of a hemidecorticate learning deficit by manipulation of input redundancy. *Physiology & Behavior*, 1973, 10, 601-606.
- Wilson, C. J., & Groves, P. M. (Univ. of Colorado, Boulder, Colo. 80302). Refractory period and habituation of acoustic startle response in rats.

#### Conditioning

- Cappell, H. (Addiction Rsch. Fdtn., Toronto, Ont., Canada), LeBlanc, A. E., & Endrenyi, L. Aversive conditioning by psychoactive drugs: Effects of morphine, alcohol and chlordiazepoxide. *Psychopharmacologia* (Berlin), 1973, 29, 239-246.
- Cohen, J. M. (Northern Illinois Univ., DeKalb, Ill. 60115). Drive level effects on the conditioning of frustration. *Journal of Experimental Psychology*, 1973, 98, 297-301.
- Coussens, W. R. (Univ. of Mississippi, University, Miss. 38677), Crowder, W. F., & Davis, W. M. Morphine induced saccharin aversion in  $\alpha$ -methyltyrosine pretreated rats. *Psychopharmacologia* (Berlin), 1973, 29, 151-157.
- Destrade, C. (Laboratoire de Psychophysiology, Institut de Biologie Animale, Avenue des Facultés 33405-Talence, France), Soumireu-Mourat, B., & Cardo, B. Effects of posttrial hippocampal stimulation on acquisition of operant behavior in the mouse. *Behavioral Biology*, 1973, 8, 713-724.
- Fitzgerald, R. D. (Dept. of Med. Psychology, Univ. of Oregon Med. Sch., Portland, Ore. 97201), Martin, G. K., & O'Brien, J. H. Influence of vagal activity on classically conditioned heart rate in rats. *Journal of Comparative & Physiological Psychology*, 1973, 83, 485-491.
- Levis, D. J. (SUNY, Binghamton, N.Y. 13901), & Boyd, T. L. Effects of shock intensity on avoidance responding in shuttlebox to serial CS procedures. *Bulletin of the Psychonomic Society*, 1973, 1, 304-306.
- Lubow, R. E. (Tel-Aviv Univ., Ramat-Aviv, Israel). Latent inhibition. *Psychological Bulletin*, 1973, 79, 398-407.
- Martin, J. C. (Dept. of Psychiat. RP-10, Univ. of Washington, Seattle, Wash. 98195), & Ellinwood, E. H., Jr. Conditioned aversion to a preferred solution following methamphetamine injections. *Psychopharmacologia* (Berlin), 1973, 29, 253-261.
- Moore, J. W. (Univ. of Massachusetts, Amherst, Mass. 01002), Marchant, H. G., III, Norman, J. B., & Kwaterski, S. E. Electrical brain stimulation as a Pavlovian conditioned inhibitor. *Physiology & Behavior*, 1973, 10, 581-587.
- Roffman, M. (Dept. of Pharmacol. & Toxicol., Univ. of Rhode Island, Kingston, R.I. 02881), Reddy, C., & Lal, H. Control of morphine-withdrawal hypothermia by conditional stimuli. *Psychopharmacologia* (Berlin), 1973, 29, 197-201.
- Woods, P. J. (Hollins Coll., Roanoke, Va. 24020). Signaled escape and signaled punishment: Additional instrumental conditioning paradigms. *Bulletin of the Psychonomic Society*, 1973, 1, 310-312.
- Zajonc, R. B. (Univ. of Michigan, Ann Arbor, Mich. 48106), Reimer, D. J., & Hausser, D. Imprinting and the development of object preference in chicks by mere repeated exposure. *Journal of Comparative & Physiological Psychology*, 1973, 83, 434-440.

#### Discrimination Learning

- Calhoun, W. H. (Univ. of Tennessee, Knoxville, Tenn. 37916), & Handley, G. W. Long-term memory following serial discrimination reversal learning. *Bulletin of the Psychonomic Society*, 1973, 1, 354-356.
- House, V. P. (Pavlovian Rsch. Lab., VA Hosp., Perry Point, Md. 21902). Influence of changes in adrenergic

and cholinergic activity upon acquisition of operant discrimination in albino rats. *Psychological Reports*, 1973, 32, 1311-1327.

- McFarlain, R. A. (Neurosurg. Dept., Univ. of Mississippi Med. Ctr., Jackson, Miss. 39216). Para-chlorophenylalanine: Its effects on auditory discrimination. *Psychopharmacologia* (Berlin), 1973, 29, 263-270.
- Reyes, R. (Washington Univ., St. Louis, Mo. 63130), Finger, S., & Frye, J. Serial thalamic lesions and tactile discrimination in the rat. *Behavioral Biology*, 1973, 8, 807-813.
- Richards, R. W. (Colorado State Univ., Fort Collins, Colo. 80521). Performance of the pigeon on the ambiguous-cue problem. *Bulletin of the Psychonomic Society*, 1973, 1, 445-447.

#### Maze and Runway Behavior

- Crabbe, J. C. (Univ. of Colorado, Boulder, Colo. 80302), & Alpern, H. P. An appetitively motivated single-trial learning task for mice. *Psychological Reports*, 1973, 32, 1299-1302.
- Benefield, R. L., & Ehrenfreund, D. (Southern Illinois Univ., Carbondale, Ill. 62901). Effect of maintenance schedule on the relationship between alley speeds and preexperimental deprivation periods. *Bulletin of the Psychonomic Society*, 1973, 1, 293-294.
- Goodrick, C. L. (Gerontol. Rsch. Ctr., Baltimore City Hosps., Baltimore, Md. 21224). Maze learning of mature-young and aged rats as a function of distribution of practice. *Journal of Experimental Psychology*, 1973, 98, 344-349.
- Oliverio, A. (Laboratorio di Psicobiologia e Psicofarmacologia del C.N.R., via Reno 1, 00198 Rome, Italy), & Messeri, P. An analysis of single-gene effects on avoidance, maze, wheel running, and exploratory behavior in the mouse. *Behavioral Biology*, 1973, 8, 771-783.

#### Avoidance and Punishment

- Melvin, K. B. (Univ. of Alabama, University, Ala. 35486), & Ervey, D. H. Facilitative and suppressive effects of punishment on species-typical aggressive display in *Betta splendens*. *Journal of Comparative & Physiological Psychology*, 1973, 83, 451-457.
- Oliverio, A. (Laboratorio di Psicobiologia e Psicofarmacologia del C.N.R., via Reno 1, 00198 Rome, Italy), & Messeri, P. An analysis of single-gene effects on avoidance, maze, wheel running, and exploratory behavior in the mouse. *Behavioral Biology*, 1973, 8, 771-783.
- Schwartz, B. (Swarthmore Coll., Swarthmore, Pa. 19081), & Coulter, G. A failure to transfer control of keypecking from food reinforcement to escape from and avoidance of shock. *Bulletin of the Psychonomic Society*, 1973, 1, 307-309.
- Torney, D. J. (Univ. of Guelph, Guelph, Ont., Canada). The effect of intermittent punishment-partial reward training on resistance to continuous punishment. *Canadian Journal of Psychology*, 1973, 27, 1-6.
- Woods, P. J. (Hollins Coll., Roanoke, Va. 24020). Signaled escape and signaled punishment: Additional instrumental conditioning paradigms. *Bulletin of the Psychonomic Society*, 1973, 1, 310-312.

#### Avoidance Learning

- Anisman, H. (Univ. of Waterloo, Waterloo N2L-3G1, Ont., Canada). Cholinergic mechanisms and alterations in behavioral suppression as factors producing time-dependent changes in avoidance performance. *Journal of Comparative & Physiological Psychology*, 1973, 83, 465-477.

- Bicknell, A. T. (Slippery Rock State Coll., Slippery Rock, Pa. 16057), & Richardson, A. M. Comparison of avoidance learning in two species of lizards, *Crotaphytus collaris* and *Dipsosaurus dorsalis*. *Psychological Reports*, 1973, 32, 1055-1065.
- Lewis, D. J. (SUNY, Binghamton, N.Y. 13901), & Boyd, T. L. Effects of shock intensity on avoidance responding in a shuttlebox to serial CS procedures. *Bulletin of the Psychonomic Society*, 1973, 1, 304-306.
- Lewis, P. (Ohio Univ., Athens, Ohio 45701), & Badia, P. Avoidance of a warning signal as a function of the signal termination contingency. *Bulletin of the Psychonomic Society*, 1973, 1, 301-303.
- McAllister, E. W. C. (Russell Sage Coll., Troy, N.Y. 12180). Avoidance conditioning in two species of platy (*Xiphophorus maculatus* and *Xiphophorus variatus*). *Bulletin of the Psychonomic Society*, 1973, 1, 389-390.
- Sagales, T. (Universidad Autonoma de Barcelona, Facultad de Medicina, Departamento de Ciencias Fisiologicas, Barcelona, Spain), & Domino, E. F. Effects of stress and REM sleep deprivation on the patterns of avoidance learning and brain acetylcholine in the mouse. *Psychopharmacologia (Berlin)*, 1973, 29, 307-315.
- Thomas, R. K. (Univ. of Georgia, Athens, Ga. 30602), & Hill, A. S. The caudate nucleus and avoidance learning: A reevaluation. *Bulletin of the Psychonomic Society*, 1973, 1, 346-348.
- Zerbolio, D. J., Jr. (Univ. of Missouri, St. Louis, Mo. 63121). Temperature-dependent learning in goldfish: A multi-trial active avoidance situation. *Behavioral Biology*, 1973, 8, 755-761.

#### Reinforcement

- Flaherty, C. F. (Rutgers Univ., New Brunswick, N.J. 08903), & Kelly, J. Effect of deprivation state on successive negative contrast. *Bulletin of the Psychonomic Society*, 1973, 1, 365-367.
- Jennings, R. D. (Portland State Univ., Portland, Oreg. 97207). Nitrogen narcosis and rat behavior on fixed-ratio and differential-reinforcement-of-low-rate schedules. *Journal of Comparative & Physiological Psychology*, 1973, 83, 515-522.
- Reynierse, J. H. (Hope Coll., Holland, Mich. 49423), & Straw, R. G. Generalization of a Capaldi sequential analysis to the aversive case. *Bulletin of the Psychonomic Society*, 1973, 1, 363-364.
- Scull, J. W. (Cedar Lodge Residential Ctr. for Boys, Cobble Hill, B.C., Canada). The Amsel frustration

- effect: Interpretations and research. *Psychological Bulletin*, 1973, 79, 352-361.
- Topping, J. S. (Mississippi State Univ., State College, Miss. 39762), Johnson, D. L., & McGlynn, F. D. Effects of delayed reinforcement and FR size on pre-ratio pausing. *Psychological Reports*, 1973, 32, 1295-1298.
- Young, A. G. (Louisiana State Univ., Baton Rouge, La. 70803), & Fuselier, G. D. ECS effects: An attempt to stimulate recovery of the PRE. *Bulletin of the Psychonomic Society*, 1973, 1, 322-324.

#### Retention

- Bryant, R. C. (Brain Rsch. Inst. & Dept. of Biochem., Univ. of Tennessee Med. Units, Memphis, Tenn. 38105), Petty, F., & Byrne, W. L. Effects of piracetam (SKF 38462) on acquisition, retention, and activity in the goldfish. *Psychopharmacologia (Berlin)*, 1973, 29, 121-130.
- Calhoun, W. H. (Univ. of Tennessee, Knoxville, Tenn. 37916), & Handley, G. W. Long-term memory following serial discrimination reversal learning. *Bulletin of the Psychonomic Society*, 1973, 1, 354-356.
- Flood, J. F. (Univ. of California, Berkeley, Calif. 94720), Rosenzweig, M. R., Bennett, E. L., & Orme, A. E. The influence of duration of protein synthesis inhibition on memory. *Physiology & Behavior*, 1973, 10, 555-562.
- Gold, P. E. (Dept. of Psychobiol., Sch. of Biol. Sci., Univ. of California, Irvine, Calif. 92664), Haycock, J. W., Macri, J., & McGaugh, J. L. Retrograde amnesia and the "reminder effect": An alternative interpretation. *Science*, 1973, 180, 1199-1201.
- Manthei, R. C. (John M. Dalton Rsch. Ctr., Univ. of Missouri, Columbia, Mo. 65201), Wright, D. C., & Kenny, A. D. Altered CSF constituents and retrograde amnesia in rats: A biochemical approach. *Physiology & Behavior*, 1973, 10, 517-521.
- Rake, A. V. (Biophysics Dept., Pennsylvania State Univ., University Park, Pa. 16802). Involvement of biogenic amines in memory formation: The central nervous system indole amine involvement. *Psychopharmacologia (Berlin)*, 1973, 29, 91-100. 29, 91-100.
- Worsham, R. W., & D'Amato, M. R. (Rutgers Univ., New Brunswick, N.J. 08903). Ambient light, white noise, and monkey vocalization as sources of interference in visual short-term memory of monkeys. *Journal of Experimental Psychology*, 1973, 99, 99-105.

## PHYSIOLOGICAL PSYCHOLOGY

### BRAIN FUNCTIONS

- Aschoff, J. (Max-Planck-Institut für Verhaltensphysiologie, 8131 Erling-Andechs, Germany), & von Saint Paul, U. Brain temperature as related to gross motor activity in the unanesthetized chicken. *Physiology & Behavior*, 1973, 10, 529-533.
- Corbit, J. D. (Brown Univ., Providence, R.I. 02912). Voluntary control of hypothalamic temperature. *Journal of Comparative & Physiological Psychology*, 1973, 83, 394-411.
- Eibergen, R. D., & Caggiula, A. R. (Univ. of Pittsburgh, Pittsburgh, Pa. 15213). Ventral midbrain involvement in copulatory behavior of the male rat. *Physiology & Behavior*, 1973, 10, 435-441.
- Kestenbaum, R. S. (SUNY, Stony Brook, N.Y. 11790), Deutsch, J. A., & Coons, E. E. Inference of refractory

- period, temporal summation, and adaptation from behavior in chronic implants: Midbrain pain systems. *Journal of Comparative & Physiological Psychology*. 1973, 83, 412-428.
- Springer, S. P. (Hearing & Speech Sci., Stanford Univ. Sch. of Med., Stanford, Calif. 94305). Hemispheric specialization for speech opposed by contralateral noise. *Perception & Psychophysics*, 1973, 13, 391-393.
- Thomas, R. K. (Univ. of Georgia, Athens, Ga. 30602), & Hill, A. S. The caudate nucleus and avoidance learning: A reevaluation. *Bulletin of the Psychonomic Society*, 1973, 1, 346-348.

### Lesions

- Buchanan, D. C., Weber, R., & Kamback, M. (Johns

- Hopkins Univ. Sch. of Med., Baltimore, Md. 21205). Changes in relative frequencies of behaviors in pigtail monkeys (*Macaca nemistrina*) following dorsolateral frontal ablations. *Psychological Reports*, 1973, 32, 1191-1196.
- Cohen, J. S. (Univ. of Windsor, Windsor, Ont., Canada), & Laroche, J. P. Effect of a physical barrier on response perseveration in hippocampal lesioned rats. *Physiology & Behavior*, 1973, 10, 485-490.
- Glick, S. D. (Dept. of Pharmacol., Mt. Sinai Sch. of Med., 100th St. & Fifth Ave., New York, N.Y. 10029), & Greenstein, S. Recovery of weight regulation following ablation of frontal cortex in rats. *Physiology & Behavior*, 1973, 10, 491-496.
- Johnson, D. A. (Ohio Univ., Athens, Ohio 45701), & Becker, T. M. Development of open-field activity in the rat following caudate lesions in infancy. *Bulletin of the Psychonomic Society*, 1973, 1, 331-332.
- Parker, T. D. (Loyola Univ., Chicago, Ill. 60626), & Treichler, F. R. The influence of restricted posterior neocortical ablation on brightness preference and brightness discrimination performance of rats. *Physiology & Behavior*, 1973, 10, 473-478.
- Perek, M. (Dept. of Poultry Sci. & Animal Hygiene, Hebrew Univ., Jerusalem Faculty of Agriculture, Rehovot, Israel), Ravona, H., Snapir, N., & Luxemburg, D. Sexual behavior of white leghorn cocks bearing basal hypothalamic lesions in various locations. *Physiology & Behavior*, 1973, 10, 479-484.
- Peters, M. (Physiol. Inst., Univ. of Munich, Munich, FRG, Germany), Bleek, C., & Monjan, A. A. Reaction to electrical shock after cerebellar lesions in the rat. *Physiology & Behavior*, 1973, 10, 429-433.
- Plotkin, H. C. (MRC Unit on Neural Mechanisms of Behav., Univ. Coll. London, London, W.C.1, England), & Russell, I. S. Compensation of a hemidecorticate learning deficit by manipulation of input redundancy. *Physiology & Behavior*, 1973, 10, 601-606.
- Reyes, R. (Washington Univ., St. Louis, Mo. 63130), Finger, S., & Frye, J. Serial thalamic lesions and tactile discrimination in the rat. *Behavioral Biology*, 1973, 8, 807-813.
- Scalfani, A. (Brooklyn Coll. of CUNY, Brooklyn, N.Y. 11210), Berner, C. N., & Maul, G. Differential effects of hypothalamic transections on the wood gnawing behavior of rats. *Physiology & Behavior*, 1973, 10, 451-454.
- Stimulation**
- Beyra, M. (Laboratoire de Neurophysiologie, 6, Dekenstraat, B-3000 Louvain, Belgium), & Spinewine, P. Inhibition and facilitation of self-stimulation behavior by aversive stimulation. *Physiology & Behavior*, 1973, 10, 563-566.
- Destrade, C. (Laboratoire de Psychophysiology, Institut de Biologie Animale, Avenue des Facultés 33405-Talence, France), Soumireu-Mourat, B., & Cardo, B. Effects of posttrial hippocampal stimulation on acquisition of operant behavior in the mouse. *Behavioral Biology*, 1973, 8, 713-724.
- Gaito, J. (York Univ., Downsview, Ont., Canada), Hopkins, R. W., & Pelletier, W. Interanimal transfer and chemical events underlying the kindling effect. *Bulletin of the Psychonomic Society*, 1973, 1, 319-321.
- Halboth, P. H. (Bernard Baruch Coll. of CUNY, New York, N.Y. 10010), & Coons, E. E. Behavioral measurements of the neural poststimulation excitability cycle in the lateral hypothalamic eating system of the rat. *Journal of Comparative & Physiological Psychology*, 1973, 83, 429-433.
- Moore, J. W. (Univ. of Massachusetts, Amherst, Mass. 01002), Marchant, H. G., III, Norman, J. B., & Kwaterski, S. E. Electrical brain stimulation as a (Pavlovian conditioned inhibitor. *Physiology & Behavior*, 1973, 10, 581-587.
- Young, A. G. (Louisiana State Univ., Baton Rouge, La. 70803), & Fuselier, G. D. ECS effect: An attempt to stimulate recovery of the PRE. *Bulletin of the Psychonomic Society*, 1973, 1, 322-324.
- Electrical Activity**
- Nash, P. (Dept. of Pharmacol., Mt. Sinai Sch. of Med. of CUNY, New York, N.Y. 10029), Colasanti, B., & Khazan, N. Long-term effects of morphine on the electroencephalogram and behavior of the rat. *Psychopharmacologia (Berlin)*, 1973, 29, 271-276.
- Orzack, M. H. (Div. of Psychiat., Boston Univ. Med. Sch., Boston, Mass. 02215), & Brancconier, R. CNS effects of propranolol in man. *Psychopharmacologia (Berlin)*, 1973, 29, 299-306.
- Pettigrew, J. (Dept. of Physiol.-Anat., Univ. of California, Berkeley, Calif. 94720), Olson, C., & Barlow, H. B. Kitten visual cortex: Short-term, stimulus-induced changes in connectivity. *Science*, 1973, 180, 1202-1203.
- Ross, J. W. (Dept. of Anat. & Brain Rsch. Inst., UCLA Sch. of Med., Los Angeles, Calif. 90024), & Gorski, R. A. Effects of potassium chloride on sexual behavior and the cortical EEG in the ovariectomized rat. *Physiology & Behavior*, 1973, 10, 643-646.
- Routtenberg, A. (Northwestern Univ., Evanston, Ill. 60201), & Taub, F. Hippocampus and superior colliculus: Congruent EEG activity demonstrated by a simple measure. *Behavioral Biology*, 1973, 8, 801-805.
- Satran, R. (Dept. of Neurol., Univ. of Rochester Med. Ctr., Monroe Community Hosp., Rochester, N.Y. 14603), & Goldstein, M. N. Pain perception: Modification of threshold of intolerance and cortical potentials by cutaneous stimulation. *Science*, 1973, 180, 1201-1202.
- Shagass, C. (Temple Univ. Med. Ctr., Philadelphia, Pa. 19122), Straumanis, J. J., Jr., & Overton, D. A. Effects of lithium and amitriptyline therapy on somatosensory evoked response "excitability" measurements. *Psychopharmacologia (Berlin)*, 1973, 29, 185-196.
- Teyler, T. J. (Dept. of Psychobiol., Univ. of California, Irvine, Calif. 92664), Roemer, R. A., Harrison, T. F., & Thompson, R. F. Human scalp-recorded evoked-potential correlates of linguistic stimuli. *Bulletin of the Psychonomic Society*, 1973, 1, 333-334.
- Metabolism**
- Ayhan, I. H. (Sct. Hans Mental Hosp., Dept. E, Roskilde, Denmark), & Randrup, A. Behavioural and pharmacological studies on morphine-induced excitation of rats. Possible relation to brain catecholamines. *Psychopharmacologia (Berlin)*, 1973, 29, 317-328.
- Flood, J. F. (Univ. of California, Berkeley, Calif. 94720), Rosenzweig, M. R., Bennett, E. L., & Orme, A. E. The influence of duration of protein synthesis inhibition on memory. *Physiology & Behavior*, 1973, 10, 555-562.
- Matthews, J. D. (Loma Linda Med. Sch., Loma Linda, Calif. 92354), Labrecque, G., & Domino, E. F. Effects of morphine, nalorphine and naloxone on neocortical release of acetylcholine in the rat. *Psychopharmacologia (Berlin)*, 1973, 29, 113-120.
- Pakkenberg, H. (Lab. of Neuropathol.,

- Kommunehospitalet, Copenhagen, Denmark), Fog, R., & Nilakantan, B. The long-term effect of perphenazine enanthate on the rat brain. Some metabolic and anatomical observations. *Psychopharmacologia* (Berlin), 1973, 29, 329-336.
- Rake, A. V. (Biophysics Dept., Pennsylvania State Univ., University Park, Pa. 16802). Involvement of biogenic amines in memory formation: The central nervous system indole amine involvement. *Psychopharmacologia* (Berlin), 1973, 29, 91-100.
- Sagales, T. (Universidad Autonoma de Barcelona, Facultad de Medicina, Departamento de Ciencias Fisiologicas, Barcelona, Spain), & Domino, E. F. Effects of stress and REM sleep deprivation on the patterns of avoidance learning and brain acetylcholine in the mouse. *Psychopharmacologia* (Berlin), 1973, 29, 307-315.
- PHYSIOLOGICAL EFFECTS**
- Levine, S. (Dept. of Psychiat., Stanford Univ. Sch. of Med., Stanford, Calif. 94305), Madden, J., IV., Conner, R. L., Moskal, J. R., & Anderson, D. C. Physiological and behavioral effects of prior aversive stimulation (preshock) in the rat. *Physiology & Behavior*, 1973, 10, 467-471.
- Biochemical Effects**
- Anisman, H. (Univ. of Waterloo, Waterloo, Ont., Canada). Cholinergic mechanisms and alterations in behavioral suppression as factors producing time-dependent changes in avoidance performance. *Journal of Comparative & Physiological Psychology*, 1973, 83, 465-477.
- Gaito, J. (York Univ., Downsview, Ont., Canada), Hopkins, R. W., & Pelletier, W. Interanimal transfer and chemical events underlying the kindling effect. *Bulletin of the Psychonomic Society*, 1973, 1, 319-321.
- Jennings, R. D. (Portland State Univ., Portland, Oreg. 97207). Nitrogen narcosis and rat behavior on fixed-ratio and differential-reinforcement-of-low-rate schedules. *Journal of Comparative & Physiological Psychology*, 1973, 83, 515-522.
- Manthei, R. C. (John M. Dalton Rsch. Ctr., Univ. of Missouri, Columbia, Mo. 65201), Wright, D. C., & Kenny, A. D. Altered CSF constituents and retrograde amnesia in rats: A biochemical approach. *Physiology & Behavior*, 1973, 10, 517-521.
- Hormonal Effects**
- Beatty, W. W. (North Dakota State Univ., Fargo, N. Dak. 58102). Postneonatal testosterone treatment fails to alter hormonal regulation of body weight and food intake of female rats. *Physiology & Behavior*, 1973, 10, 627-628.
- Hucklebridge, F. H. (Dept. of Zool., The University, Hull, England), Nowell, N. W., & Dilks, R. A. Plasma catecholamine response to fighting in the male albino mouse. *Behavioral Biology*, 1973, 8, 785-800.
- Lutge, W. G. (Dept. of Neurosci., Univ. of Florida Coll. of Med., Gainesville, Fla. 32601), & Hall, N. R. Androgen-induced agonistic behavior in castrate male Swiss-Webster mice: Comparison of four naturally occurring androgens. *Behavioral Biology*, 1973, 8, 725-732.
- Payne, A. P. (Dept. of Anat., Univ. of Birmingham, Med. Sch., Birmingham B15 2TJ, England). A comparison of the aggressive behaviour of isolated intact and castrated male golden hamsters towards intruders introduced into the home cage. *Physiology & Behavior*, 1973, 10, 629-631.
- Redick, J. H. (Univ. of Virginia, Charlottesville, Va. 22901), Nussbaum, A. I., & Mook, D. G. Estradiol induced suppression of feeding in the female rat: Dependence on body weight. *Physiology & Behavior*, 1973, 10, 543-547.
- Voci, V. E., & Carlson, N. R. (Univ. of Massachusetts, Amherst, Mass. 01002). Enhancement of maternal behavior and nest building following systemic and diencephalic administration of prolactin and progesterone in the mouse. *Journal of Comparative & Physiological Psychology*, 1973, 83, 388-393.
- Drug Effects**
- Amit, Z. (Sir George Williams Univ., Montreal, P.Q., Canada), Corcoran, M. E., Charness, M. E., & Shizgal, P. Intake of diazepam and hashish by alcohol preferring rats deprived of alcohol. *Physiology & Behavior*, 1973, 10, 523-527.
- Andén, N. (Dept. of Pharmacol., Univ. of Göteborg, Göteborg, Sweden), Strömbom, U., & Svensson, T. H. Dopamine and noradrenaline receptor stimulation: Reversal of reserpine-induced suppression of motor activity. *Psychopharmacologia* (Berlin), 1973, 29, 289-298.
- Ayhan, I. H. (Sct. Hans Mental Hosp., Dept. E, Roskilde, Denmark), & Randrup, A. Behavioral and pharmacological studies on morphine-induced excitation of rats. Possible relation to brain catecholamines. *Psychopharmacologia* (Berlin), 1973, 29, 317-328.
- Boggan, W. O. (Dept. of Psychiat., Univ. of Chicago, Chicago, Ill. 60600), Steele, R. A., & Freedman, D. X.  $\Delta^9$ -Tetrahydrocannabinol effect on audiogenic seizure susceptibility. *Psychopharmacologia* (Berlin), 1973, 29, 101-106.
- Bowman, M. (Queen's Univ., Kingston, Ont., Canada), Pihl, R. O. Cannabis: Psychological effects of chronic heavy use. A controlled study of intellectual functioning in chronic users of high potency cannabis. *Psychopharmacologia* (Berlin), 1973, 29, 159-170.
- Bryant, R. C. (Brain Rsch. Inst. & Dept. of Biochem., Univ. of Tennessee, Med. Units, Memphis, Tenn. 38105), Petty, F., & Byrne, W. L. Effects of piracetam (SKF 38462) on acquisition, retention, and activity in the goldfish. *Psychopharmacologia* (Berlin), 1973, 29, 121-130.
- Cappell, H. (Addiction Rsch. Fdn., Toronto, Ont., Canada), Kuchar, E., & Webster, C. D. Some correlates of marijuana self-administration in man: A study of titration of intake as a function of drug potency. *Psychopharmacologia* (Berlin), 1973, 29, 177-184.
- Cappell, H. (Addiction Rsch. Fdn., Toronto, Ont., Canada), LeBlanc, A. E., & Endrenyi, L. Aversive conditioning by psychoactive drugs: Effects of morphine, alcohol and chlordiazepoxide. *Psychopharmacologia* (Berlin), 1973, 29, 239-246.
- Cole, J. M. (Yerkes Reg. Prim. Rsch. Ctr., Emory Univ., Atlanta, Ga. 30322), & Pieper, W. A. The effects of N,N-dimethyltryptamine on operant behavior in squirrel monkeys. *Psychopharmacologia* (Berlin), 1973, 29, 107-112.
- Coussens, W. R. (Univ. of Mississippi, University, Miss. 38677), Crowder, W. F., & Davis, W. M. Morphine induced saccharin aversion in  $\alpha$ -methyltyrosine pretreated rats. *Psychopharmacologia* (Berlin), 1973, 29, 151-157.
- Crow, L. T. (Western Washington State Coll., Bellingham, Wash. 98225), & Thompson, J. R. Pyrazole diuresis in rats with and without alcohol. *Psychological Reports*, 1973, 32, 1209-1210.
- Darley, C. F. (Stanford Univ., Stanford, Calif. 94305), Tinklenberg, J. R., Hollister, T. E., & Atkinson, R. C.

- Marihuana and retrieval from short-term memory. *Psychopharmacologia* (Berlin), 1973, 29, 231-238.
- File, S. E. (City of London Polytech., London, England). Potentiation of the effects of chlorpromazine on exploration in the rat by a prior experience of the drug. *Psychopharmacologia* (Berlin), 1973, 29, 357-363.
- Geyer, M. A. (Dept. of Psychiat., Univ. of California, San Diego, La Jolla, Calif. 92037), & Segal, D. S. Differential effects of reserpine and alpha-methyl-p-tyrosine on norepinephrine and dopamine induced behavioral activity. *Psychopharmacologia* (Berlin), 1973, 29, 131-140.
- Houser, V. P. (Pavlovian Rsch. Lab., VA Hosp., Perry Point, Md. 21902). Influence of changes in adrenergic and cholinergic activity upon acquisition of operant discrimination in albino rats. *Psychological Reports*, 1973, 32, 1311-1327.
- Jakubczak, L. F. (Gerontol. Psychol. Rsch. Lab., VA Hosp., St. Louis, Mo. 63125), & Gomer, F. E. Effects of food deprivation and initial levels on a wheel-running response to methamphetamine. *Bulletin of the Psychonomic Society*, 1973, 1, 343-345.
- Johnson, A. K. (Dept. of Biol., Univ. of Pennsylvania, Philadelphia, Pa. 19174), & Fisher, A. E. Tolerance for quinine under cholinergic versus deprivation induced thirst. *Physiology & Behavior*, 1973, 10, 613-616.
- Martin, J. C. (Dept. of Psychiat. RP-10, Univ of Washington, Seattle, Wash. 98195), & Ellinwood, E. H., Jr. Conditioned aversion to a preferred solution following methamphetamine injections. *Psychopharmacologia* (Berlin), 1973, 29, 253-261.
- Matthews, J. D. (Loma Linda Med. Sch., Loma Linda, Calif. 92354), Labrecque, G., & Domino, E. F. Effects of morphine, nalorphine and naloxone on neocortical release of acetylcholine in the rat. *Psychopharmacologia* (Berlin), 1973, 29, 113-120.
- McFarlain, R. A. (Neurosurg. Dept., Univ. of Mississippi Med. Ctr., Jackson, Miss. 39216). Para-chlorophenylalanine: Its effects on auditory discrimination. *Psychopharmacologia* (Berlin), 1973, 29, 263-270.
- McWilliams, S. A. (Univ. of Arizona, Tucson, Ariz. 85721), & Tuttle, R. J. Long-term psychological effects of LSD. *Psychological Bulletin*, 1973, 79, 341-351.
- Meltzer, H. Y. (Dept. of Psychiat., Univ. of Chicago, Chicago, Ill. 60600). Rigidity, hyperpyrexia and coma following fluphenazine enanthate. *Psychopharmacologia* (Berlin), 1973, 29, 337-346.
- Nash, P. (Dept. of Pharmacol., Mt. Sinai Sch. of Med. of CUNY, New York, N.Y. 10029), Colasanti, B., & Khazan, N. *Psychopharmacologia* (Berlin), 1973, 29, 271-276.
- Nolan, N. A. (Pharmacol. Dept., Roche Products Ltd., Welwyn Garden City, Herts., England), & Parkes, M. W. The effects of benzodiazepines on the behavior of mice on a hole-board. *Psychopharmacologia* (Berlin), 1973, 29, 277-288.
- Orzack, M. H. (Div. of Psychiat., Boston Univ. Med. Sch., Boston, Mass. 02215), Branconnier, R., & Gardos, G. CNS effects of propranolol in man. *Psychopharmacologia* (Berlin), 1973, 29, 299-306.
- Pakkenberg, H. (Lab. of Neuropathol., Kommunehospitalet, Copenhagen, Denmark), Fog, R., & Nilakantan, B. The long-term effect of perphenazine enanthate on the rat brain. Some metabolic and anatomical observations. *Psychopharmacologia* (Berlin), 1973, 29, 329-336.
- Pappas, B. A. (Carleton Univ., Ottawa K15 5B6, Ont., Canada), & DiCara, L. V. Neonatal sympathectomy by 6-hydroxydopamine: Cardiovascular responses in the paralyzed rat. *Physiology & Behavior*, 1973, 10, 549-553.
- Roffman, M. (Dept. of Pharmacol. & Toxicol., Univ. of Rhode Island, Kingston, R.I. 02881), Reddy, C., & Lal, H. Control of morphine-withdrawal hypothermia by conditional stimuli. *Psychopharmacologia* (Berlin), 1973, 29, 197-201.
- Russell, K. E. (McGill Univ., P.O. Box 6070, Montreal, Canada), & Stern, M. H. Sex and strain as factors in voluntary alcohol intake. *Physiology & Behavior*, 1973, 10, 641-642.
- Sanders, S. H. (Memphis State Univ., Memphis, Tenn. 38128), & Pilley, J. Effects of alcohol and timing behavior in rats. *Quarterly Journal of Studies on Alcohol*, 1973, 34, 367-372.
- Sartory, G. (Inst. of Psychiat., Univ. of London, De Crespigny Park, Denmark Hill, London, S.E.5, England), & Rust, J. The effects of single administration of etifoxine on several psychological tests. *Psychopharmacologia* (Berlin), 1973, 29, 365-384.
- Shagass, C. (Temple Univ. Med. Ctr., Philadelphia, Pa. 19122), Straumanis, J. J., Jr., & Overton, D. A. Effects of lithium and amitriptyline therapy on somatosensory evoked response "excitability" measurements. *Psychopharmacologia* (Berlin), 1973, 29, 185-196.
- ten Ham, M. (Natl. Inst. of Public Health, The Netherlands), & van Noordwijk, J. Lack of tolerance to the effect of two tetrahydrocannabinols on aggressiveness. *Psychopharmacologia* (Berlin), 1973, 29, 171-176.
- Will, B. (Laboratoire de Psychophysiologie, Université Louis Pasteur, F-67000 Strasbourg, France), & Checchinato, D. Effects of d-amphetamine on operant behavior in the rat. *Psychopharmacologia* (Berlin), 1973, 29, 141-149.
- Wise, R. A. (Sir George Williams Univ., Montreal, P.Q., Canada). Voluntary intakes in rats following exposure to ethanol on various schedules. *Psychopharmacologia* (Berlin), 1973, 29, 203-210.

#### Autonomic Effects

- Bull, R. H. C. (Univ. of Exeter, Exeter, England), & Gale, M. A. The reliability of and interrelationships between various measures of electrodermal activity. *Journal of Experimental Research in Personality*, 1973, 6, 300-306.
- Fitzgerald, R. D. (Dept. of Med. Psychol., Univ. of Oregon Med. Sch., Portland, Oreg. 97201), Martin, G. K., & O'Brien, J. H. Influence of vagal activity on classically conditioned heart rate in rats. *Journal of Comparative & Physiological Psychology*, 1973, 83, 485-491.
- Geen, R. G. (Univ. of Missouri, Columbia, Mo. 65201), & Rakosky, J. J. Interpretations of observed aggression and their effect on GSR. *Journal of Experimental Research In Personality*, 1973, 6, 289-292.
- Hofer, M. A. (Dept. of Psychiat., Albert Einstein Coll. of Med. at Montefiore Hosp., 111 E. 210th St., Bronx, N.Y. 10467). The effects of brief maternal separations on behavior and heart rate of two week old rat pups. *Physiology & Behavior*, 1973, 10, 423-427.
- Pappas, B. A. (Carleton Univ., Ottawa K15 5B6, Ont., Canada), & DiCara, L. V. Neonatal sympathectomy by 6-hydroxydopamine: Cardiovascular responses in the paralyzed rat. *Physiology & Behavior*, 1973, 10, 549-553.