

## CURRENT LITERATURE ON PERCEPTION, PERFORMANCE, AND EXPERIMENTAL SOCIAL PSYCHOLOGY

Citations of current literature are arranged in outline form so that readers may easily find the particular articles in which they are interested. The literature on Human Experimental Psychology is divided into two parts, with each part appearing in alternate months. The part covered here consists of Perception, Performance, and Experimental Social Psychology. The part to be published next month will consist of citations on Human Memory, Learning, and Thinking. The principal headings used are given on the cover along with page references.

### METHODS AND INSTRUMENTATION

MULDER, G. (Dept. of Exptl. Psychol., Univ. of Groningen, Groningen, The Netherlands), & MULDER-HAJONIDES VAN DER MEULEN, W. R. E. H. Heart rate variability in a binary choice reaction task: An evaluation of some scoring methods. *Acta Psychologica*, 1972, 36, 239-251.

#### METHOD & DESIGNS

COREN, S. (Grad. Faculty of the New Sch. for Soc. Rsch., 66 W. 12th St., New York, N.Y. 10011), & GIRGUS, J. S. A comparison of five methods of illusion measurement. *Behavior Research Methods & Instrumentation*, 1972, 4, 240-244.

HENNESSY, R. T. (Pennsylvania State Univ., University Park, Pa. 16802), & LEIBOWITZ, H. W. Laser optometer incorporating the Badal principle. *Behavior Research Methods & Instrumentation*, 1972, 4, 237-239.

HILBERT, R. (Navy Med. Neuropsychiat. Rsch. Unit, San Diego, Calif. 92152), & NAITOH, P. EOG and delta rhythmicity in human sleep EEG. *Psychophysiology*, 1972, 9, 533-538.

KHACHATURIAN, Z. S. (Devel. Neurobiol. Lab., Pittsburgh Child Guidance Ctr., 201 DeSoto St., Pittsburgh, Pa. 15213), KERR, J., KRUGER, R., & SCHACHTER, J. A methodological note: Comparison between period and rate data in studies of cardiac function. *Psychophysiology*, 1972, 9, 539-545.

#### INSTRUMENTATION & TECHNIQUES

ARMSTRONG, J. D. (Blind Mobility Rsch. Unit, Univ. of Nottingham, Nottingham, England), & WORSEY, R. C. The adding of visual information to previously recorded video-tapes: A functioning system. *Quarterly Journal of Experimental Psychology*, 1972, 24, 361-363.

BOUDROT, R. (c/o Thomas B. Mulholland, Percep. Lab., VA Hosp., Bedford, Mass. 01730). An

alpha detection and feedback control system. *Psychophysiology*, 1972, 9, 461-466.

FORD, J. M. (Bldg. 4, VA Hosp., 3801 Miranda Ave., Palo Alto, Calif. 94305), MacPHERSON, L., & KOPELL, B. S. Differences in readiness potential associated with push-button construction. *Psychophysiology*, 1972, 9, 564-567.

KRAUSMAN, D. T. (Dept. of Psychiat. & Behav. Sci., Johns Hopkins Univ. Sch. of Med., Baltimore, Md. 21205), EHRLICH, W., & BRADY, J. V. Preprocessor adapts cardiovascular signals to a minicomputer. *Psychophysiology*, 1972, 9, 554-563.

KUPFER, D. J. (Dept. of Psychiat., Yale Univ. Sch. of Med., New Haven, Conn. 06520), DETRE, T. P., FOSTER, G., TUCKER, G. J., & DELGADO, J. The application of Delgado's telemetric mobility recorder for human studies. *Behavioral Biology*, 1972, 7, 585-590.

PENNER, M. J. (Univ. of California, San Diego, Calif. 92100). Neural or energy summation in a Poisson counting model. *Journal of Mathematical Psychology*, 1972, 9, 286-293.

WOLF, A. V. (Univ. of Illinois at the Med. Ctr., Chicago, Ill. 60612), & WOLF, R. A. Time stick for measuring action and reaction speed. *Psychophysiology*, 1972, 9, 552-553.

WOLF, R. V. (Bioacoustics Lab., Eye & Ear Hosp., Univ. of Pittsburgh, Pittsburgh, Pa. 15213). A digitally programmable attenuator. *Behavior Research Methods & Instrumentation*, 1972, 4, 278.

WOLF, R. V. (Bioacoustics Lab., Eye & Ear Hosp., Univ. of Pittsburgh, Pittsburgh, Pa. 15213), & BILGER, R. C. Generating complex waveforms. *Behavior Research Methods & Instrumentation*, 1972, 4, 250-256.

#### STATISTICAL TECHNIQUES

BREAUX, R. (Texas Tech Univ., Lubbock, Tex. 79409). Analysis of variance of one-, two-, and three-treatment designs for a PDP-8. *Behavior Research Methods & Instrumentation*, 1972, 4, 271-272.

BUTLER, D. C. (San Fernando Valley State Coll., Northridge, Calif. 91324), GOCKA, E. F., HARTLEY, J. A., & PINNEAU, S. R. Analysis of factor variance: Two cases. *Psychological Reports*, 1972, 31, 267-279.

DEROGATIS, L. R. (Dept. of Psychiat. & Behav. Sci., Johns Hopkins Univ. Sch. of Med., Baltimore, Md. 21205), SERIO, J. C., & CLEARY, P. A. An empirical comparison of three indices of factorial similarity. *Psychological Reports*, 1972, 30, 791-804.

FEDERICO, P.-A. (Air Force Human Resources Lab., Lowry AFB, Colo. 80230). A multiple discriminant analysis approach to item analysis. *Journal of General Psychology*, 1972, 87, 45-54.

FISHBURN, P. C. (Inst. for Advanced Study, Princeton, N.J. 08540). Minimal preferences on lotteries. *Journal of Mathematical Psychology*, 1972, 9, 294-305.

GENGERELLI, J. A. (Univ. of California, Los Angeles, Calif. 90024). A method for nonfactor analysis. *Journal of General Psychology*, 1972, 87, 117-142.

GOCKA, E. F. (VA Western Rsch. Support Ctr., Sepulveda, Calif. 91343). Complex chi-squares: Matrix notation and calculation. *Psychological Reports*, 1972, 30, 743-746.

MAGOON, A. J. (Univ. of Delaware, Newark, Del. 19711), & MARTUZA, V. R. Note on measures of association. *Psychological Reports*, 1972, 30, 920-922.

OLSON, C. L. (Univ. of Toronto, Toronto 181, Ont., Canada), & OGILVIE, J. C. The method of constant stimuli with two or more categories of response. *Journal of Mathematical Psychology*, 1972, 9, 320-338.

SHAFFER, J. P. (Univ. of Kansas, Lawrence, Kans. 66044). Exact procedures for the analysis of multidimensional contingency

- tables. *Behavior Research Methods & Instrumentation*, 1972, 4, 231-236.
- THOMAS, E. A. C. (Stanford Univ., Stanford, Calif. 94305), & MYERS, J. L. Implications of latency data for threshold and nonthreshold models of signal detection. *Journal of Mathematical Psychology*, 1972, 9, 253-285.
- ZIMMERMAN, D. W. (Carleton Univ., Ottawa, Ont., Canada). Error and reliability in stochastic processes and psychological measurement. *Psychological Reports*, 1972, 31, 131-140.
- COMPUTER TECHNOLOGY**
- AARONSON, D. (New York Univ., New York, N.Y. 10003), & BRAUTH, S. SIMPLE guidelines for developing a computer-based laboratory. *Behavior Research Methods & Instrumentation*, 1972, 4, 257-264.
- BREAUX, R. (Texas Tech Univ., Lubbock, Tex. 79409). Analysis of variance of one-, two-, and three-treatment designs for a PDP-8. *Behavior Research Methods & Instrumentation*, 1972, 4, 271-272.
- GERLICH, V. (Czechoslovak Acad. of Sci., Prague, Czechoslovakia), &
- KREKULE, I. Recording a pulse series on analog tape for fast input into the digital computer. *Journal of the Experimental Analysis of Behavior*, 1972, 18, 277-279.
- GERVER, D. (Queens Univ., Kingston, Ont., Canada), & DINELEY, G. ASPA: Automatic speech-pause analyzer. *Behavior Research Methods & Instrumentation*, 1972, 4, 265-270.
- KAHN, S. D. (Lab. of Exptl. Psychopathol., Georgia Mental Health Inst., 1256 Briarcliff Rd., Atlanta, Ga. 30306), BOWNE, G. W., & SWINT, E. B., JR. A survey of the sources and availability of computer software applicable to psychophysiological research in the periodical literature. *Psychophysiology*, 1972, 9, 527-532.
- KAHN, S. D. (Lab. of Exptl. Psychopathol., Georgia Mental Health Inst., 1256 Briarcliff Rd., Atlanta, Ga. 30306), BOWNE, G. W., & SWINT, E. B., JR. A survey of the sources and availability of computer software applicable to psychophysiological research in the periodical literature. *Psychophysiology*, 1972, 9, 527-532.
- Oppel-Kundt illusion. *Perception & Psychophysics*, 1972, 12, 224-225.
- DEREGOWSKI, J. (Univ. of Aberdeen, Aberdeen, Scotland), & ELLIS, H. D. Effect of stimulus orientation upon haptic perception of the horizontal-vertical illusion. *Journal of Experimental Psychology*, 1972, 95, 14-19.
- HENNESSY, R. T. (Pennsylvania State Univ., University Park, Pa. 16802), & LEIBOWITZ, H. W. Perceived vs retinal relationships in the Ponzo illusion. *Psychonomic Science*, 1972, 28, 111-112.
- QUINA, K. (Univ. of Georgia, Athens, Ga. 30601), & POLLACK, R. H. Effects of test line position and age on the magnitude of the Ponzo illusion. *Perception & Psychophysics*, 1972, 12, 253-256.
- VAN EYL, F. P. (Hope Coll., Holland, Mich. 49423). Induced vestibular stimulation and the moon illusion. *Journal of Experimental Psychology*, 1972, 94, 326-328.

#### Aftereffects

- ATKINSON, J. (Psychol. Lab., Univ. of Cambridge, Cambridge, England). Visibility of an afterimage in the presence of a second afterimage. *Perception & Psychophysics*, 1972, 12, 257-262.
- BONNET, C. (Laboratoire de Psychologie Expérimentale et Comparée, Associé au CNRS, Paris, France), & POUTHAS, V. Apparent size and duration of a movement after-effect. *Quarterly Journal of Experimental Psychology*, 1972, 24, 275-281.
- BONNET, C. (28, rue Serpente, Paris 6<sup>e</sup>, France), & POUTHAS, V. Interactions between spatial and kinetic dimensions in movement aftereffect. *Perception & Psychophysics*, 1972, 12, 193-200.
- SHONTZ, F. C. (Univ. of Kansas, Lawrence, Kans. 66044), & MCNISH, R. D. The human body as stimulus object: Estimates of distances between body landmarks. *Journal of Experimental Psychology*, 1972, 95, 20-24.
- TIBBETTS, P. (Dept. of Philosophy, Univ. of Dayton, Dayton, Ohio 45409). Perceptual theory and epistemological dualism: Some examples from experimental psychology. *Psychological Record*, 1972, 22, 401-411.
- Illusions**
- COREN, S. (Grad. Faculty of the New Sch. for Soc. Rsch., 66 W. 12th St., New York, N.Y. 10011), & GIRGUS, J. S. A comparison of five methods of illusion measurement. *Behavior Research Methods & Instrumentation*, 1972, 4, 240-244.
- COREN, S. (New Sch. for Soc. Rsch., 66 W. 12th St., New York, N.Y. 10011), & HOENIG, P. Eye movements and decrement in the
- JOHNSON, D. T. (Highland Hosp. Div., Duke Univ. Med. Ctr., Asheville, N.C. 28801), NEVILLE, C. W., JR., & BEUTLER, L. E. Differences between rod-and-frame test distributions of psychiatric inpatients and college students: A partial resolution. *Psychonomic Science*, 1972, 28, 77-78.
- JONES, E. C. (Frostburg State Coll., Frostburg, Md. 21532), & DENNIS, M. E. Perceptual closure as a function of gap size. *Perceptual &*
- OVER, R. (Univ. of Queensland, St. Lucia 4067, Australia), & BROERSE, J. Lack of directional specificity in tilt aftereffect induced with moving contours. *Psychonomic Science*, 1972, 28, 235-236.
- SALES, S. M. (Carnegie-Mellon Univ., Pittsburgh, Pa. 15213), & THROOP, W. F. Relationship between kinesthetic aftereffects and "strength of the nervous system."

- Psychophysiology**, 1972, 9, 492-497.
- STROMEYER, C. F., III.** (Stanford Univ., Stanford, Calif. 94305). Contour-contingent color aftereffects: Retinal area specificity. *American Journal of Psychology*, 1972, 85, 227-236.
- Psychophysics**
- BRANDT, J. F.** (Dept. of Speech & Drama & the Bureau of Child Rsch., Univ. of Kansas, Lawrence, Kans. 66044). Effects of stimulus bandwidth on listener judgments of vocal loudness and effort. *Journal of the Acoustical Society of America*, 1972, 52, 705-707.
- COHEN, R. L.** (Dept. of Behav. Sci., Univ. of Toronto, Toronto 5, Ont., Canada), & **BONNET, C.** Movement detection thresholds and stimulus duration. *Perception & Psychophysics*, 1972, 12, 269-272.
- CUDDY, L. L.** (Queen's Univ., Kingston, Ont., Canada). Comment on "Practice effects in the absolute judgment of frequency" by Heller and Auerbach. *Psychonomic Science*, 1972, 28, 68.
- FINLAY, D. C.** (Univ. of Newcastle, Shortlands, N.S.W., Australia 2308). Spatio-temporal interaction and brightness judgments in sequentially presented, partially overlapping rectangles. *Perception & Psychophysics*, 1972, 12, 226-228.
- HARRIS, A. H.** (Dept. of Psychiat. & Behav. Sci., Johns Hopkins Univ. Sch. of Med., Baltimore, Md. 21205). Time-distance records and the power function. *Perception & Psychophysics*, 1972, 12, 289-290.
- NORTHERN, J. L.** (Univ. of Colorado Med. Ctr., Denver, Colo. 80220), **DOWNS, M. P.**, **RUDMOSE, W.**, **GLORIG, A.**, & **FLETCHER, J. L.** Recommended high-frequency audiometric threshold levels (8000-18 000 Hz). *Journal of the Acoustical Society of America*, 1972, 52, 585-595.
- OLSON, C. L.** (Univ. of Toronto, Toronto 181, Ont., Canada), & **OGILVIE, J. C.** The method of constant stimuli with two or more categories of response. *Journal of Mathematical Psychology*, 1972, 9, 320-338.
- ESTLE, F.** (Indiana Univ., Bloomington, Ind. 47401). Method of constant stimuli: Recalculations show that response-frequency equalization cannot fit the data. *Perception & Psychophysics*, 1972, 12, 287-288.
- RICHARDS, L. G.** (Univ. of Virginia, Charlottesville, Va. 22901). A multidimensional scaling analysis of judged similarity of complex forms from two task situations. *Perception & Psychophysics*, 1972, 12, 154-160.
- SMOORENBURG, G. F.** (Lab. of Neurophysiol., Univ. of Wisconsin, Madison, Wis. 53706). Combination tones and their origin. *Journal of the Acoustical Society of America*, 1972, 52, 615-632.
- TOLHURST, D. J.** (Physiol. Lab., Univ. of Cambridge, Cambridge CB2 3EG, England), & **HART, G.** A psychophysical investigation of the effects of controlled eye movements on the movement detectors of the human visual system. *Vision Research*, 1972, 12, 1441-1446.
- WILKENING, F.** (Univ. of Düsseldorf, Düsseldorf, Germany), **SARRIS, V.**, & **HELLER, O.** Contrast effects in the child's judgment of lifted weight. *Psychonomic Science*, 1972, 28, 207-208.
- ZWISLOCKI, J. J.** (Lab. of Sensory Commun., Syracuse Univ., Syracuse, N.Y. 13210). A theory of central auditory masking and its partial validation. *Journal of the Acoustical Society of America*, 1972, 52, 644-659.
- Magnitude Estimation*
- BULL, K.**, & **LANG, P. J.** (Univ. of Wisconsin, Madison, Wis. 53706). Intensity judgments and physiological response amplitude. *Psychophysiology*, 1972, 9, 428-436.
- CURTIS, D. W.** (California State Coll., Fullerton, Calif. 92631), & **RULE, S. J.** Magnitude judgments of brightness and brightness difference as a function of background reflectance. *Journal of Experimental Psychology*, 1972, 95, 215-222.
- GIBSON, R. H.** (Box 1327, Sydney, N.S., Canada), & **TOMKO, D. L.** The relation between category and magnitude estimates of tactile intensity. *Perception & Psychophysics*, 1972, 12, 135-138.
- MARLEY, A. A. J.** (McGill Univ., Montreal 101, P.Q., Canada). Internal state models for magnitude estimation and related experiments. *Journal of Mathematical Psychology*, 1972, 9, 306-319.
- MEISELMAN, H. L.** (U.S. Army Natick Labs, Natick, Mass. 01760), **BOSE, H. E.**, & **NYKVIST, W. F.** Magnitude production and magnitude estimation of taste intensity. *Perception & Psychophysics*, 1972, 12, 249-252.
- Signal Detection*
- BAKER, E. M.** (Bowling Green State Univ., Bowling Green, Ohio 43403), & **SCHUCK, J. R.** A signal detection analysis of the effects of hearing on the visual recognition of two-digit numbers. *Perception & Psychophysics*, 1972, 12, 239-240.
- CROSS, H. A.** (Colorado State Univ., Fort Collins, Colo. 80521), **BOYER, W. N.**, **WASHINGTON, D. M.**, & **GUYOT, G. W.** Contrasting methods in determining a DL using two-point tactful stimuli: A TSD approach. *Psychonomic Science*, 1972, 28, 119-121.
- DELFINI, L. F.**, & **CAMPOS, J. J.** (Behav. Devel. Lab., Univ. of Denver, Denver, Colo. 80210). Signal detection and the "cardiac arousal cycle." *Psychophysiology*, 1972, 9, 484-491.
- KEUSS, P. J. G.** (Free Univ., Amsterdam, The Netherlands). Reaction time to the second of two shortly spaced auditory signals both varying in intensity. *Acta Psychologica*, 1972, 36, 226-238.
- KLORMAN, R.** (Univ. of Rochester, Rochester, N.Y. 14627), & **LANG, P. J.** Cardiac responses to signal and nonsignal tasks in 9-year-olds. *Psychonomic Science*, 1972, 28, 299-300.
- LESHOWITZ, B.** (Arizona State Univ., Tempe, Ariz. 85821), & **WIGHTMAN, F. L.** On the importance of considering the signal's frequency spectrum: Some comments on Macmillan's "Detection and recognition of increments and decrements in auditory intensity" experiment. *Perception & Psychophysics*, 1972, 12, 209-210.
- MACMILLAN, N. A.** (Brooklyn Coll. of CUNY, Brooklyn, N.Y. 11210). Change detection and off-frequency listening: A reply to Leshowitz and Wightman. *Perception & Psychophysics*, 1972, 12, 211-212.
- MC LAUGHLIN, J. P.** (Univ. of Delaware, Newark, Del. 19711), **MASTERSON, F. A.**, & **HERRMANN, D. J.** Pattern redundancy and detection in very short-term memory. *Perception & Psychophysics*, 1972, 12, 205-208.
- PENNER, M. J.** (Univ. of California, San Diego, Calif. 92100). Neural or energy summation in a Poisson counting model. *Journal of Mathematical Psychology*, 1972, 9, 286-293.
- ROLLMAN, G. B.** (Univ. of Western Ontario, London 72, Ont., Canada), & **NACHMIAS, J.** Simultaneous detection and recognition of chromatic flashes. *Perception & Psychophysics*, 1972, 12, 309-314.
- THEODOR, L. H.** (York Univ., Downsview, Ont., Canada). The detectability of a brief gap in a pulse of light as a function of its temporal location within the pulse. *Perception & Psychophysics*, 1972, 12, 168-170.
- THOMAS, E. A. C.** (Stanford Univ., Stanford, Calif. 94305), & **MYERS, J. L.** Implications of latency data for threshold and nonthreshold models of signal detection. *Journal*

- of Mathematical Psychology, 1972, 9, 253-285.
- WATSON, C. S. (Central Inst. for the Deaf, St. Louis, Mo. 63110), FRANKS, J. R., & HOOD, D. C. Detection of tones in the absence of external masking noise. I. Effects of signal intensity and signal frequency. *Journal of the Acoustical Society of America*, 1972, 52, 633-643.
- VISION
- BARTOL, C. R. (Northern Illinois Univ., DeKalb, Ill. 60115), & PIELSTICK, N. L. The effects of ambiguity, familiarization, age and sex on stimulus preference. *Journal of Experimental Child Psychology*, 1972, 14, 21-29.
- BONNET, C. (28, rue Serpente, Paris 6°, France), & POUTHAS, V. Interactions between spatial and kinetic dimensions in movement aftereffect. *Perception & Psychophysics*, 1972, 12, 193-200.
- ERIKSEN, C. W. (Univ. of Illinois, Champaign, Ill. 61820), & HOFFMAN, J. E. Temporal and spatial characteristics of selective encoding from visual displays. *Perception & Psychophysics*, 1972, 12, 201-204.
- ESTES, W. K. (Rockefeller Univ., New York, N.Y. 10021). Interactions of signal and background variables in visual processing. *Perception & Psychophysics*, 1972, 12, 278-286.
- HENNESSY, R. T. (Pennsylvania State Univ., University Park, Pa. 16802), & LEIBOWITZ, H. W. Laser optometer incorporating the Badal principle. *Behavior Research Methods & Instrumentation*, 1972, 4, 237-239.
- PICKWELL, L. D. (Undergrad. Sch. of Studies in Ophthalmic Optics, Univ. of Bradford, Bradford 7, England). Hering's law of equal innervation and the position of the binoculars. *Vision Research*, 1972, 12, 1499-1507.
- Visual Sensitivity
- ATKINSON, J. (Psychol. Lab., Univ. of Cambridge, Cambridge, England). The effect of size, retinal locus, and orientation on the visibility of a single afterimage. *Perception & Psychophysics*, 1972, 12, 213-217.
- BAKER, E. M. (Bowling Green State Univ., Bowling Green, Ohio 43403), & SCHUCK, J. R. A signal detection analysis of the effects of hearing on the visual recognition of two-digit numbers. *Perception & Psychophysics*, 1972, 12, 239-240.
- BOUMAN, M. A. (Dept. of Med. & Physiol. Physics, Utrecht Univ., The Netherlands), & WALRAVEN, P. L. On threshold mechanisms for achromatic and chromatic vision.
- Acta Psychologica, 1972, 36, 178-189.
- DOHERTY, M. E. (Bowling Green State Univ., Bowling Green, Ohio 43403), & KEELEY, S. M. On the identification of repeatedly presented, brief visual stimuli. *Psychological Bulletin*, 1972, 78, 142-154.
- GREVE, E. L. (Eye Clinic of the Univ. of Amsterdam, Wilhelmina Gasthuis, Amsterdam, The Netherlands). Single stimulus and multiple stimulus threshold. *Vision Research*, 1972, 12, 1533-1543.
- KERR, L. G. (Univ. of California, Los Angeles, Calif. 90024), & THOMAS, J. P. Effect of selective adaptation on detection of simple and compound parafoveal stimuli. *Vision Research*, 1972, 12, 1367-1379.
- LEFTON, L. A. (Univ. of Rochester, Rochester, N.Y. 14627). Metacontrast: A review. *Psychonomic Monograph Supplements*, 1972, 4(14, Whole No. 62).
- MARKS, L. E. (John B. Pierce Fdttn. Lab., 290 Congress Ave., New Haven, Conn. 06519). Visual brightness: Some applications of a model. *Vision Research*, 1972, 12, 1409-1423.
- PALMER, D. A. (Dept. of Physiol. Optics, Inst. of Ophthalmol., Judd St., London WC1H 9QS, England). Two types of parafoveal spectral sensitivity. *Vision Research*, 1972, 12, 1271-1279.
- SILLMAN, A. J. (Jules Stein Eye Inst., Univ. of California, Los Angeles, Calif. 90000), OWEN, W. G., & FERNANDEZ, H. R. The generation of the late receptor potential: An excitation-inhibition phenomenon. *Vision Research*, 1972, 12, 1519-1531.
- TYLER, C. W. (Northeastern Univ., Boston, Mass. 02115), & TORRES, J. Frequency response characteristics for sinusoidal movement in the fovea and periphery. *Perception & Psychophysics*, 1972, 12, 232-236.
- von BÉKÉSY, G. (Lab. of Sensory Sci., Univ. of Hawaii, Honolulu, Hawaii 96822). Mach bands measured by a compensation method. *Vision Research*, 1972, 12, 1485-1497.
- WHITE, M. J. (Victoria Univ. of Wellington, New Zealand), & BARR-BROWN, M. Role of the right hemisphere in tachistoscopic recognition. *Journal of General Psychology*, 1972, 87, 143-144.
- Spatial Vision
- CARMON, A. (Aranne's Lab. of Human Psychophysiol., Hadassah Univ. Hosp., Jerusalem, Israel),
- NACHSHON, I., ISSEROFF, A., & KLEINER, M. Visual field differences in reaction times to Hebrew letters. *Psychonomic Science*, 1972, 28, 222-224.
- FINLAY, D. C. (Univ. of Newcastle, Shortlands, N.S.W., Australia 2308). Spatio-temporal interaction and brightness judgments in sequentially presented, partially overlapping rectangles. *Perception & Psychophysics*, 1972, 12, 226-228.
- HERSHBERGER, W. A. (Northern Illinois Univ., DeKalb, Ill. 60115), & CARPENTER, D. L. Adaptation to inverted retinal polarity: What's up, Bishop Berkeley? *Journal of Experimental Psychology*, 1972, 94, 261-268.
- HILL, A. L. (Inst. for Rsch. in Mental Retardation, 1050 Forest Hill Rd., Staten Island, N.Y. 10314). The effects of retinal and physical orientation, physical size and distance, and intelligence on the perceived "meaning" of stimuli. *Psychonomic Science*, 1972, 28, 113-114.
- LAPPIN, J. S. (Vanderbilt Univ., Nashville, Tenn. 37203), & BELL, H. H. Perceptual differentiation of sequential visual patterns. *Perception & Psychophysics*, 1972, 12, 129-134.
- LEVICK, W. R. (Dept. of Physiol., Australian Natl. Univ., Canberra, A.C.T. 2601 Australia), CLELAND, B. G., & COOMBS, J. S. On the apparent orbit of the Pulfrich pendulum. *Vision Research*, 1972, 12, 1381-1388.
- MAY, J. G. (Louisiana State Univ., New Orleans, La. 70122). Chromatic adaptation of orientation- and size-specific visual processes in man. *Vision Research*, 1972, 12, 1509-1517.
- ONO, H. (York Univ., Toronto, Ont., Canada), WILKINSON, A., MUTER, P., & MITSON, L. Apparent movement and change in perceived location of a stimulus produced by a change in accommodative vergence. *Perception & Psychophysics*, 1972, 12, 187-192.
- PARKER, D. M. (San Fernando Valley State Coll., Northridge, Calif. 91324), SCHAFFER, J., & COHEN, E. The effect of past experience on motion sickness produced by visual stimuli. *Journal of General Psychology*, 1972, 87, 65-68.
- POLLACK, I. (Mental Health Rsch. Inst., Univ. of Michigan, 305 N. Forest St., Ann Arbor, Mich. 48104). Visual discrimination thresholds for one- and two-dimensional Markov spatial constraints. *Perception & Psychophysics*, 1972, 12, 161-167.
- REED, S. K. (Case Western Reserve

- Univ., Cleveland, Ohio 44106), & ANGARAN, A. J. Structural models and embedded-figure difficulty for normal and retarded children. *Perceptual & Motor Skills*, 1972, 35, 155-164.
- WYANT, S., BANKS, W. P. (Pomona Coll., Claremont, Calif. 91711), BERGER, D., & WRIGHT, P. W. Verbal and pictorial similarity in recognition of pictures. *Perception & Psychophysics*, 1972, 12, 151-153.
- Form Perception*
- ABRAVANEL, E. (George Washington Univ., Washington, D.C. 20006). How children combine vision and touch when perceiving the shape of objects. *Perception & Psychophysics*, 1972, 12, 171-175.
- BARLOW, H. B. (Dept. of Physiol., Univ. of California, Berkeley, Calif. 94720), NARASIMHAN, R., & ROSENFIELD, A. Visual pattern analysis in machines and animals. *Science*, 1972, 177, 567-575.
- BRAINE, L. G. (New York Univ., New York, N.Y. 10003). A developmental analysis of the effect of stimulus orientation on recognition. *American Journal of Psychology*, 1972, 85, 157-188.
- FLOCK, H. R. (York Univ., Toronto, Ont., Canada). Lightness, embeddedness, and contrast. *Perceptual & Motor Skills*, 1972, 35, 87-100.
- GIRGUS, J. S. (City Coll. of CUNY, New York, N.Y. 10031), & HOCHBERG, J. Age differences in shape recognition through an aperture in a free-viewing situation. *Psychonomic Science*, 1972, 28, 237-238.
- MCGURK, H. (Infant Lab., Ed. Testing Service, Princeton, N.J. 08540). Infant discrimination of orientation. *Journal of Experimental Child Psychology*, 1972, 14, 151-164.
- RICHARDS, L. G. (Univ. of Virginia, Charlottesville, Va. 22901). A multidimensional scaling analysis of judged similarity of complex forms from two task situations. *Perception & Psychophysics*, 1972, 12, 154-160.
- Size Perception*
- GOGEL, W. C. (Univ. of California, Santa Barbara, Calif. 92706), & STURM, R. D. A test of the relational hypothesis of perceived size. *American Journal of Psychology*, 1972, 85, 201-216.
- LEIBOWITZ, H. W. (Pennsylvania State Univ., University Park, Pa. 16802), GRAHAM, C., & PARRISH, M. The effect of hypnotic age regression on size constancy. *American Journal of Psychology*, 1972, 85, 271-276.
- NEWMAN, C. V. (Univ. of Birmingham, Birmingham, England). Size judgments of familiar objects from outline figures. *Psychonomic Science*, 1972, 28, 239-240.
- NEWSOME, L. R. (Univ. of Queensland, St. Lucia, Queensland, Australia, 4067). Visual angle and apparent size of objects in peripheral vision. *Perception & Psychophysics*, 1972, 12, 300-304.
- Depth Perception*
- ALLEN, S. R. (Dept. of Psychiat., Univ. of Edinburgh, Royal Edinburgh Hosp., Morningside Park, Edinburgh, EH10 5HF, Scotland), OSWALD, I., LEWIS, S., & TAGNEY, J. The effects of distorted visual input on sleep. *Psychophysiology*, 1972, 9, 498-504.
- EPSTEIN, W. (Univ. of Wisconsin, Madison, Wis. 53706), & DAVIESS, N. Modification of depth judgment following exposures to magnification of unioocular image: Are changes in perceived absolute distance and registered direction of gaze involved? *Perception & Psychophysics*, 1972, 12, 315-317.
- FERRIS, S. H. (Nav. Submarine Med. Ctr., Groton, Conn. 06340). Improvement of absolute distance estimation underwater. *Perceptual & Motor Skills*, 1972, 35, 299-305.
- KRAVITZ, J. H. (Howard Univ., Washington, D.C. 20001), & YAFFE, F. Conditioned adaptation to prismatic displacement with a tone as the conditional stimulus. *Perception & Psychophysics*, 1972, 12, 305-308.
- LIT, A. (Dept. of Psychol., Southern Illinois Univ., Carbondale, Ill. 62901), FINN, J. P., & VICARS, W. M. Effect of target-background luminance contrast on binocular depth discrimination at photopic levels of illumination. *Vision Research*, 1972, 12, 1241-1251.
- NEWMAN, C. V. (Univ. of Birmingham, Birmingham, England). The role of gradients of binocular disparity in Gibson's theory of space perception. *Perception & Psychophysics*, 1972, 12, 237-238.
- ROSS, H. E. (Univ. of Stirling, Stirling, Scotland), & LENNIE, P. Adaptation and counteradaptation to complex optical distortion. *Perception & Psychophysics*, 1972, 12, 273-277.
- TON, W. H. (Human Resources Rsch. Organization, Fort Bliss, Tex. 79916). Rate of apparent magnification as a cue to distance: Laboratory investigation. *Perceptual & Motor Skills*, 1972, 35, 283-288.
- WALLACH, H. (Swarthmore Coll., Swarthmore, Pa. 19081), YABLICK, G. S., & SMITH, A. Target distance and adaptation in distance perception in the constancy of visual direction. *Perception & Psychophysics*, 1972, 12, 139-145.
- Color Vision*
- CROVITZ, H. F. (VA Hosp., Durham, N.C. 27705). Transient binasal hemianopia in a pair of plastic soupspoons. *Psychonomic Science*, 1972, 28, 234.
- LEVIN, J. (Tel-Aviv Univ., Tel-Aviv, Israel). A comparison of multidimensional scaling and factor analysis of Ekman's color similarity matrix. *Journal of General Psychology*, 1972, 87, 111-115.
- SIEGEL, M. H. (Albion Coll., Albion, Mich. 49224), & SIEGEL, A. B. Hue discrimination as a function of stimulus luminance. *Perception & Psychophysics*, 1972, 12, 295-299.
- VOS, J. J. (Inst. for Percep. TNO, Kampweg 5, Soesterberg, The Netherlands), & WALRAVEN, P. L. An analytical description of the line element in the zone-fluctuation model of colour vision—I. Basic concepts. *Vision Research*, 1972, 12, 1327-1344.
- VOS, J. J. (Inst. for Percep. TNO, Kampweg 5, Soesterberg, The Netherlands), & WALRAVEN, P. L. An analytical description of the line element in the zone-fluctuation model of colour vision—II. The derivation of the line element. *Vision Research*, 1972, 12, 1345-1365.
- Masking*
- COLTHEART, M. (Univ. of Reading, Whiteknights, Reading RG6 2AL, England), & ARTHUR, B. Evidence for an integration theory of visual masking. *Quarterly Journal of Experimental Psychology*, 1972, 24, 262-269.
- SCHURMAN, D. L. (Emory Univ., Atlanta, Ga. 30322). Predictive validity of a Rashevsky-Landahl neural net: Test of a model of masking for form. *Perception & Psychophysics*, 1972, 12, 183-186.
- Eye Movements*
- BROWN, B. (Dept. of Ophthalmic Optics & Vis. Sci., The City Univ., London E.C.1V 4PB, England). The effect of target contrast variation on dynamic visual acuity and eye movements. *Vision Research*, 1972, 12, 1213-1224.
- COREN, S. (New Sch. for Soc. Rsch., New York, N.Y. 10011), & HOENIG, P. Eye movements and decrement in the Oppel-Kundt illusion. *Perception & Psychophysics*, 1972, 12, 224-225.

- HARMON, R. J., & EMDE, R. N. (Dept. of Psychiat., Univ. of Colorado Med. Ctr., Denver, Colo. 80220). Neonatal muscle tone recorded from eye movement leads. *Psychophysiology*, 1972, 9, 458-460.
- JACOBS, L., FELDMAN, M., & BENDER, M. B. (Dept. of Neurol., Mt. Sinai Sch. of Med., New York, N.Y. 10029). Are the eye movements of dreaming sleep related to the visual images of the dreams? *Psychophysiology*, 1972, 9, 393-401.
- KOULACK, D. (Univ. of Manitoba, Winnipeg, Man., Canada). Rapid eye movements and visual imagery during sleep. *Psychological Bulletin*, 1972, 78, 155-158.
- PLATT, B. B. (Univ. of California, Riverside, Calif. 92502), & WARREN, D. H. Auditory localization: The importance of eye movements and a textured visual environment. *Perception & Psychophysics*, 1972, 12, 245-248.
- TOLHURST, D. J. (Physiol. Lab., Univ. of Cambridge, Cambridge CB2 3EG, England), & HART, G. A psychophysical investigation of the effects of controlled eye movements on the movement detectors of the human visual system. *Vision Research*, 1972, 12, 1441-1446.
- WEISFELD, G. E. (Tufts Univ., Medford, Mass. 02155). Parametric adjustment to a shifting target alternating with saccades to a stationary reference point. *Psychonomic Science*, 1972, 28, 72-74.
- ### AUDITION
- BAKER, E. M. (Bowling Green State Univ., Bowling Green, Ohio 43403), & SCHUCK, J. R. A signal detection analysis of the effects of hearing on the visual recognition of two-digit numbers. *Perception & Psychophysics*, 1972, 12, 239-240.
- BELL, D. W. (Sensory Sci. Rsch. Ctr., Stanford Rsch. Inst., Menlo Park, Calif. 94025). Effect of fringe on masking-level difference when gating from uncorrelated to correlated noise. *Journal of the Acoustical Society of America*, 1972, 52, 525-529.
- BRADSHAW, J. L. (Monash Univ., Clayton, Victoria 3168, Australia), NETTLETON, N. C., & GEFFEN, G. Ear asymmetry and delayed auditory feedback: Effects of task requirements and competitive stimulation. *Journal of Experimental Psychology*, 1972, 94, 269-275.
- CLACK, T. D. (Kresge Hearing Rsch. Inst., Ann Arbor, Mich. 48104), ERDREICH, J., & KNIGHTON, R. W. Aural harmonics: The monaural phase effects at 1500 Hz, 2000 Hz, and 2500 Hz observed in tone-on-tone masking when  $f_1 = 1000$  Hz. *Journal of the Acoustical Society of America*, 1972, 52, 536-541.
- GREGORY, A. H. (Univ. of Manchester, Manchester M13 9PL, England), HARRIMAN, J. C., & ROBERTS, L. D. Cerebral dominance for the perception of rhythm. *Psychonomic Science*, 1972, 28, 75-76.
- PLATT, B. B. (Univ. of California, Riverside, Calif. 92502), & WARREN, D. H. Auditory localization: The importance of eye movements and a textured visual environment. *Perception & Psychophysics*, 1972, 12, 245-248.
- ROBINSON, G. M. (Duke Univ., Durham, N.C. 27706). The delayed auditory feedback effect is a function of speech rate. *Journal of Experimental Psychology*, 1972, 95, 1-5.
- SURWILLO, W. W. (Dept. of Psychiat., Univ. of Louisville, Sch. of Med., Louisville, Ky. 40201), GELBART, H., ARENBERG, D., & GOLD, P. Incidence and distribution of ear-order responding in free recall of dichotic stimuli. *Psychological Reports*, 1972, 31, 155-164.
- ZWISLOCKI, J. J. (Lab. of Sensory Communication, Syracuse Univ., Syracuse, N.Y. 13210). A theory of central auditory masking and its partial validation. *Journal of the Acoustical Society of America*, 1972, 52, 644-659.
- ### Auditory Discrimination
- ABEL, S. M. (Univ. of California, San Diego, La Jolla, Calif. 92037). Discrimination of temporal gaps. *Journal of the Acoustical Society of America*, 1972, 52, 519-524.
- ADAMSON, R. (Florida Atlantic Univ., Boca Raton, Fla. 33432). Anchor effects on the discrimination of pitch. *Perception & Psychophysics*, 1972, 12, 229-231.
- BRANDT, J. F. (Dept. of Speech & Drama & the Bureau of Child Rsch., Univ. of Kansas, Lawrence, Kans. 66044). Effects of stimulus bandwidth on listener judgments of vocal loudness and effort. *Journal of the Acoustical Society of America*, 1972, 52, 705-707.
- CUDDY, L. L. (Queen's Univ., Kingston, Ont., Canada). Comment on "Practice effects in the absolute judgment of frequency" by Heller and Auerbach. *Psychonomic Science*, 1972, 28, 68.
- GRIFFIN, L. R. (Temple Univ., Philadelphia, Pa. 19122), & EISENMAN, R. Auditory complexity and musical ability. *Perceptual & Motor Skills*, 1972, 35, 43-46.
- HATTLER, K. W. (Lovelace Clinic, Albuquerque, N.Mex. 87108), & STOKINGER, T. E. Loudness balances employing signals with unequal duty cycles. *Journal of the Acoustical Society of America*, 1972, 52, 558-565.
- KINCHLA, J. (Auditory Rsch. Lab., Princeton Univ., Princeton, N.J. 08540). Duration discrimination of acoustically defined intervals in the 1- to 8-sec range. *Perception & Psychophysics*, 1972, 12, 318-320.
- LESHOWITZ, B. (Arizona State Univ., Tempe, Ariz. 85821), & WIGHTMAN, F. L. On the importance of considering the signal's frequency spectrum: Some comments on Macmillan's "Detection and recognition of increments and decrements in auditory intensity" experiment. *Perception & Psychophysics*, 1972, 12, 209-210.
- MACMILLAN, N. A. (Brooklyn Coll. of CUNY, Brooklyn, N.Y. 11210). Change detection and off-frequency listening: A reply to Leshowitz and Wightman. *Perception & Psychophysics*, 1972, 12, 211-212.
- McFADDEN, D. (Univ. of Texas, Austin, Tex. 78712), & SHARPLEY, A. D. Detectability of interaural time differences and interaural level differences as a function of signal duration. *Journal of the Acoustical Society of America*, 1972, 52, 574-576.
- NORTHERN, J. L. (Univ. of Colorado Med. Ctr., Denver, Colo. 80220), DOWNS, M. P., RUDMOSE, W., GLORIG, A., & FLETCHER, J. L. Recommended high-frequency audiometric threshold levels (8000-18 000 Hz). *Journal of the Acoustical Society of America*, 1972, 52, 585-595.
- SMOORENBURG, G. F. (Lab. of Neurophysiol., Univ. of Wisconsin, Madison, Wis. 53706). Audibility region of combination tones. *Journal of the Acoustical Society of America*, 1972, 52, 603-614.
- SMOORENBURG, G. F. (Lab. of Neurophysiol., Univ. of Wisconsin, Madison, Wis. 53706). Combination tones and their origin. *Journal of the Acoustical Society of America*, 1972, 52, 615-632.
- WATSON, C. S. (Central Inst. for the Deaf, St. Louis, Mo. 63110), FRANKS, J. R., & HOOD, D. C. Detection of tones in the absence of external masking noise. I. Effects of signal intensity and signal frequency. *Journal of the Acoustical Society of America*, 1972, 52, 633-643.
- WOLK, S. (Temple Univ.,

Philadelphia, Pa. 19122), & SNELBECKER, G. E. Acoustical confusion, short-term memory, and latency of recall. *Journal of General Psychology*, 1972, 87, 77-83.

#### Auditory Discrimination

BERLIN, C. I. (Kresge Hearing Rsch. Lab. of the South, Louisiana State Univ. Sch. of Med., New Orleans, La. 70119), LOWE-BELL, S. S., CULLEN, J. K., JR., THOMPSON, C. L., & STAFFORD, M. R. Is speech "special"? Perhaps the temporal lobectomy patient can tell us. *Journal of the Acoustical Society of America*, 1972, 52, 702-705.

GIANUTSOS, R. (Adelphi Univ., Garden City, N.Y. 11530). The psychoacoustic reality of words. *Psychonomic Science*, 1972, 28, 91-93.

GODEKEWITSCH, M. (Univ. of Toronto, Toronto 181, Ont., Canada). The role of language habits in understanding letter sound sequences. *Journal of Experimental Psychology*, 1972, 95, 63-65.

#### LOWER SENSES

MEISELMAN, H. L. (Pioneering Rsch. Lab., U.S. Army Natick Labs., Natick, Mass. 01760), BOSE, H. E., & NYKVIST, W. F. Magnitude production and magnitude estimation of taste intensity. *Perception & Psychophysics*, 1972, 12, 249-252.

#### Skin Senses

ABRAVANEL, E. (George Washington Univ., Washington, D.C. 20006). How children combine vision and touch when perceiving the shape of objects. *Perception & Psychophysics*, 1972, 12, 171-175.

CROSS, H. A. (Colorado State Univ., Fort Collins, Colo. 80521), BOYER, W. N., WASHINGTON, D. M., & GUYOT, G. W. Contrasting methods in determining a DL using

two-point tactal stimuli: A TSD approach. *Psychonomic Science*, 1972, 28, 119-121.

DEREGOWSKI, J. (Univ. of Aberdeen, Aberdeen, Scotland), & ELLIS, H. D. Effect of stimulus orientation upon haptic perception of the horizontal-vertical illusion. *Journal of Experimental Psychology*, 1972, 95, 14-19.

GIBSON, R. H. (Box 1327, Sydney, N.S., Canada), & TOMKO, D. L. The relation between category and magnitude estimates of tactile intensity. *Perception & Psychophysics*, 1972, 12, 135-138.

LASS, N. J. (West Virginia Univ., Morgantown, W. Va. 26505), KOTCHEK, C. L., & DEEM, J. F. Oral two-point discrimination: Further evidence of asymmetry on right and left sides of selected oral structures. *Perceptual & Motor Skills*, 1972, 35, 59-67.

SULLIVAN, E. V. (Univ. of Connecticut, Storrs, Conn. 06268), & TURVEY, M. T. Short-term retention of tactile stimulation. *Quarterly Journal of Experimental Psychology*, 1972, 24, 253-261.

#### Proprioception

MARTENIUK, R. G. (Sch. of Physical Ed., Univ. of British Columbia, Vancouver 8, B.C., Canada), SHIELDS, K. W., & CAMPBELL, S. Amplitude, position, timing and velocity as cues in reproduction of movement. *Perceptual & Motor Skills*, 1972, 35, 51-58.

SALES, S. M. (Carnegie-Mellon Univ., Pittsburgh, Pa. 15213), & THROOP, W. F. Relationship between kinesthetic aftereffects and "strength of the nervous system." *Psychophysiology*, 1972, 9, 492-497.

VAN EYL, F. P. (Hope Coll., Holland, Mich. 49423). Induced vestibular stimulation and the moon illusion. *Journal of Experimental Psychology*, 1972, 94, 326-328.

## PERFORMANCE

BERLYNE, D. E. (Univ. of Toronto, Toronto 181, P.Q., Canada). Reinforcement values of visual patterns compared through concurrent performances. *Journal of the Experimental Analysis of Behavior*, 1972, 18, 281-285.

COSTELL, R. M. (Adult Psychiat. Branch, Natl. Inst. of Mental Health, Bethesda, Md. 20014), LUNDE, D. T., KOPELL, B. S., & WITTNER, W. K. Contingent negative variation as an indicator of sexual object preference. *Science*, 1972, 177, 718-720.

Psychology, 1972, 95, 6-13.

MUSANTE, G. (Duke Univ. Med. Ctr., Durham, N.C. 27706), & ANKER, J. M. E's presence: Effect on S's performance. *Psychological Reports*, 1972, 30, 903-904.

#### PSYCHOMOTOR TASKS

BEGGS, W. D. A. (Univ. of Nottingham, Nottingham, England), & HOWARTH, C. I. The accuracy of aiming at a target: Some further evidence for a theory of intermittent control. *Acta Psychologica*, 1972, 36, 171-177.

BEST, P. R., JR. (Univ. of Arizona, Tucson, Ariz. 85721), & BARTLETT, N. R. Effect of stimulus interval and foreperiod duration on temporal synchronization. *Journal of Experimental Psychology*, 1972, 95, 154-158.

BLASI, E. R. (Dept. of Ed. Psychol., Indiana State Univ., Terre Haute, Ind. 47809), CROSS, H. A., & HEBERT, J. A. Effects of field-dependency on weight comparisons. *Perceptual & Motor Skills*, 1972, 35, 111-114.

BORG, G. (Inst. of Applied Psychol., Univ. of Stockholm, Stockholm, Sweden), EDSTRÖM, C.-G., LINDERHOLM, H., & MARKLUND, G. Changes in physical performance induced by amphetamine and amobarbital. *Psychopharmacologia* (Berlin), 1972, 26, 10-18.

DALRYMPLE-ALFORD, E. C. (Univ. of Guelph, Guelph, Ont., Canada). Sound similarity and color-word interference in the Stroop task. *Psychonomic Science*, 1972, 28, 209-210.

FOLEY, J. M. (Univ. of California, Santa Barbara, Calif. 93106), & HELD, R. Visually directed pointing as a function of target distance, direction, and available cues. *Perception & Psychophysics*, 1972, 12, 263-268.

HARRIS, A. H. (Dept. of Psychiat. & Behav. Sci., Johns Hopkins Univ. Sch. of Med., Baltimore, Md. 21205). Time-distance records and the power function. *Perception & Psychophysics*, 1972, 12, 289-290.

HICKS, J. A., III. (213-B Millbrook Rd., Raleigh, N.C. 27609). Effects of number of alternative states and number of channels on the monitoring of multichannel displays. *Journal of Experimental Psychology*, 1972, 94, 348-350.

KLISZ, D., SCHWARTZ, M. L. (Dept. of Neurol., Harper Hosp., Detroit, Mich. 48201), & ADAMS, K. M. Effects of manifest anxiety and auditory distraction on a motor steadiness battery. *Perceptual & Motor Skills*, 1972, 35, 203-209.

KORNER, A. F. (Dept. of Psychiat.,

- Stanford Univ. Sch. of Med., Stanford, Calif. 94305), & BEASON, L. M. Association of two congenitally organized behavior patterns in the newborn: Hand-mouth coordination and looking. *Perceptual & Motor Skills*, 1972, 35, 115-118.
- LIVELY, B. L. (Bowdoin Coll., Brunswick, Maine 04011). Stimulus encoding and additivity of effects in a card sorting task. *Quarterly Journal of Experimental Psychology*, 1972, 24, 270-274.
- PETERS, R. W. (Univ. of Georgia, Athens, Ga. 30601), & TORRANCE, E. P. Dyadic interaction of preschool children and performance on a construction task. *Psychological Reports*, 1972, 30, 747-750.
- PHIZICKY, H. (Sir George Williams Univ., Montreal, P.Q., Canada). Effect of censure, ego involvement, and rivalry on letter-cancellation performance by Chinese and North Americans. *Psychonomic Science*, 1972, 28, 219-221.
- THACKRAY, R. I. (Civil Aeromed. Inst., FAA, Oklahoma City, Okla. 73125), JONES, K. N., & TOUCHSTONE, R. M. The color-word interference test and its relation to performance impairment under auditory distraction. *Psychonomic Science*, 1972, 28, 225-227.
- #### Reaction Time
- BLACKMAN, A. R. (Simon Fraser Univ., Burnaby, B.C., Canada). Stimulus probability and choice reaction time. *Perception & Psychophysics*, 1972, 12, 146-150.
- BRIGGS, G. G. (Duke Univ., Durham, N.C. 27706), & KINNSBOURNE, M. Visual persistence as measured by reaction time. *Quarterly Journal of Experimental Psychology*, 1972, 24, 318-325.
- CARMON, A. (Aranne's Lab. of Human Psychophysiol., Hadassah Univ. Hosp., Jerusalem, Israel), NACHSHON, I., ISSEROFF, A., & KLEINER, M. Visual field differences in reaction times to Hebrew letters. *Psychonomic Science*, 1972, 28, 222-224.
- CZUDNER, G. (Univ. of Windsor, Windsor, Ont., Canada), & ROURKE, B. P. Age differences in visual reaction time of "brain-damaged" and normal children under regular and irregular preparatory interval conditions. *Journal of Experimental Child Psychology*, 1972, 13, 516-526.
- ELLIOTT, R. (Dartmouth Coll., Hanover, N.H. 03755). Simple reaction time in children: Effects of incentive, incentive-shift and other training variables. *Journal of Experimental Child Psychology*, 1972, 13, 540-557.
- KEUSS, P. J. G. (Free Univ., Amsterdam, The Netherlands). Reaction time to the second of two shortly spaced auditory signals both varying in intensity. *Acta Psychologica*, 1972, 36, 226-238.
- KIRSNER, K. (Univ. of Toronto, Toronto 5, Ont., Canada). Naming latency facilitation: An analysis of the encoding component in recognition reaction time. *Journal of Experimental Psychology*, 1972, 95, 171-176.
- NICKERSON, R. S. (Bolt Beranek & Newman Inc., 50 Moulton St., Cambridge, Mass. 02138). Binary-classification reaction time: A review of some studies of human information-processing capabilities. *Psychonomic Monograph Supplements*, 1972, 4(17, Whole No. 65).
- SURWILLO, W. W. (Univ. of Louisville Sch. of Med., Louisville, Ky. 40202). Motor time and reaction-time changes in children. *Perceptual & Motor Skills*, 1972, 35, 210.
- SURWILLO, W. W. (Univ. of Louisville Sch. of Med., Louisville, Ky. 40202). Period analysis of the EEG in relation to age and reaction time in children. *Psychophysiology*, 1972, 9, 471-472.
- WOLF, A. V. (Univ. of Illinois at the Med. Ctr., Chicago, Ill. 60612), & WOLF, R. A. Time stick for measuring action and reaction speed. *Psychophysiology*, 1972, 9, 552-553.
- #### Laterality
- EGETH, H. (Johns Hopkins Univ., Baltimore, Md. 21218), & EPSTEIN, J. Differential specialization of the cerebral hemispheres for the perception of sameness and difference. *Perception & Psychophysics*, 1972, 12, 218-220.
- GALIN, D. (Langley Porter Neuropsychiat. Inst., 401 Parnassus Ave., San Francisco, Calif. 94122), & ORNSTEIN, R. Lateral specialization of cognitive mode: An EEG study. *Psychophysiology*, 1972, 9, 412-418.
- GEFEN, G. (Monash Univ., Clayton, Victoria 3168, Australia), RADSHAW, J. L., & NETTLETON, N. C. Hemispheric asymmetry: Verbal and spatial encoding of visual stimuli. *Journal of Experimental Psychology*, 1972, 95, 25-31.
- SHINE, L. C., II (Univ. of Dayton, Dayton, Ohio 45409), WIANT, J., & DA POLITO, F. Effect of learning on hemispheric dominance and free recall in a single subject. *Psychological Reports*, 1972, 31, 227-230.
- #### ATTENTION
- CORTEEN, R. S. (Univ. of British Columbia, Vancouver 8, B.C., Canada), & WOOD, B. Autonomic responses to shock-associated words in an unattended channel. *Journal of Experimental Psychology*, 1972, 94, 308-313.
- FRIEDMAN, S. (John F. Kennedy Ctr. for Resch. on Ed. & Human Devel., George Peabody Coll., Box 512, Nashville, Tenn. 37203). Newborn visual attention to repeated exposure of redundant vs "novel" targets. *Perception & Psychophysics*, 1972, 12, 291-294.
- GALBRAITH, G. C., COOPER, L. M., & LONDON, P. (Univ. of Southern California, Los Angeles, Calif. 90007). Hypnotic susceptibility and the sensory evoked response. *Journal of Comparative & Physiological Psychology*, 1972, 80, 509-514.
- IMAI, S., & HANDEL, S. (Univ. of Tennessee, Knoxville, Tenn. 37916). Hierarchical stimulus and preference structures in the classification of one-dimensional stimuli. *Japanese Psychological Research*, 1971, 13, 192-206.
- KIMMEL, H. D. (Univ. of South Florida, Tampa, Fla. 33620), & TERRANT, F. R. Digital and cephalic vasomotor responses as a function of intensity of electric shock. *Psychonomic Science*, 1972, 28, 85-87.
- KLEESPIES, P. (VA Hosp., Boston, Mass. 02132), & WIENER, M. The "orienting reflex" as an input indicator in "subliminal" perception. *Perceptual & Motor Skills*, 1972, 35, 103-110.
- MICHELS, E. (Univ. of Pennsylvania, Philadelphia, Pa. 19104), & BARTEL, H. Orienting reflex and attention in concept utilization. *Psychological Reports*, 1972, 31, 203-207.
- REDD, W. H. (Eunice Kennedy Shriver Ctr., Box C, Waverley, Mass. 02179). Attention span and generalization of task-related stimulus control: Effects of reinforcement contingencies. *Journal of Experimental Child Psychology*, 1972, 13, 527-539.
- SYKES, D. H. (Queen's Univ. of Belfast, Belfast, Northern Ireland), DOUGLAS, V. I., & MORGENSTERN, G. The effect of methylphenidate (Ritalin) on sustained attention in hyperactive children. *Psychopharmacologia* (Berlin), 1972, 25, 262-274.
- UNDERWOOD, G. (Univ. of Sheffield, Sheffield, England). Response organization in attention control

and a perceptual serial position effect. *Quarterly Journal of Experimental Psychology*, 1972, 24, 340-351.

#### Vigilance

- DERKS, P. L. (Coll. of William & Mary, Williamsburg, Va. 23185), GOALDER, J., & SCHULZ, L. S. Immediate memory for simultaneously presented items: The effects of search for a target item. *Psychonomic Science*, 1972, 28, 100-102.
- GALE, A. (Univ. Coll. of Swansea, Singleton Park, Swansea, South Wales, U.K.), BULL, R., & HASLUM, M. Cumulative expectancy, subjective report of alertness, and electrodermal activity. *Psychophysiology*, 1972, 9, 383-392.

- JONIDES, J. (Univ. of Pennsylvania, Philadelphia, Pa. 19104), COLLYER, S. C., & BEVAN, W. Temporal factors influencing performance in the missing scan paradigm. *Perception & Psychophysics*, 1972, 12, 241-244.

- MCCARTHY, S. V. (Regis Coll., Weston, Mass. 02193). Visual serial search performance for number and letter targets. *Journal of Experimental Psychology*, 1972, 95, 233-234.

- SCHISSLER, D. (Univ. of Wisconsin-Parkside, Kenosha, Wis. 53140), & BARATTA, M. Evidence for an addition to the reading scan hypothesis. *Perception & Psychophysics*, 1972, 12, 221-223.

#### INFORMATION PROCESSING

- ALTMAN, F. (NIMH Clin. Rsch. Ctr. & Univ. of Kentucky, Lexington, Ky. 40506), BERNICK, N., & MINTZ, D. L. Pupil responses of addicts in treatment to drug culture argot: I. Auditory presentation of double entendre words. *Psychonomic Science*, 1972, 28, 79-80.

- BERNICK, N. (NIMH Clin. Rsch. Ctr., Lexington, Ky. 40507), ALTMAN, F., & MINTZ, D. L. Pupil responses of addicts in treatment to drug culture argot: II. Responses during verbalization of visually presented words. *Psychonomic Science*, 1972, 28, 81-82.

- BRICKMAN, P. (Northwestern Univ., Evanston, Ill. 60201), & PIERCE, S. M. Estimates of conditional probabilities of confirming versus disconfirming events as a function of inference situation and prior evidence. *Journal of Experimental Psychology*, 1972, 95, 235-237.

- DERECKOWSKI, J. B. (Univ. of Aberdeen, Aberdeen, Scotland). A rejoinder to "Symmetry, Gestalt

and information theory: A critique." *Quarterly Journal of Experimental Psychology*, 1972, 24, 359-360.

- DE SWART, J. H. (Lab. for Exptl. Psychol., Free Univ., Amsterdam, The Netherlands). Conservatism as a function of bag composition. *Acta Psychologica*, 1972, 36, 197-206.

- ELLIS, S. H. (Carnegie-Mellon Univ., Pittsburgh, Pa. 15213). Interaction of encoding and retrieval in relative age judgments: An extension of the "crossover" effect. *Journal of Experimental Psychology*, 1972, 94, 291-294.

- IMAI, S., & HANDEL, S. (Univ. of Tennessee, Knoxville, Tenn. 37916). Hierarchical stimulus and preference structures in the classification of one-dimensional stimuli. *Japanese Psychological Research*, 1971, 13, 192-206.

- INGLING, N. W. (Inst. for Rsch. in Vision, Ohio State Univ., Columbus, Ohio 43212). Categorization: A mechanism for rapid information processing. *Journal of Experimental Psychology*, 1972, 94, 239-243.

- LEVY, R. M., & NORTON, G. K. (Bowling Green State Univ., Bowling Green, Ohio 43402). The effects of stimulus dimensionality on the rate of gain of information. *Quarterly Journal of Experimental Psychology*, 1972, 24, 299-309.

- LOCKHEAD, G. R. (Duke Univ., Durham, N.C. 27706). Processing dimensional stimuli: A note. *Psychological Review*, 1972, 79, 410-419.

- MAYZNER, M. S. (Dept. of Industrial Eng. & Operations Rsch., New York Univ., Bronx, N.Y. 10453). Visual information processing of alphabetic inputs. *Psychonomic Monograph Supplements*, 1972, 4(13, Whole No. 61).

- MESSICK, D. M. (Univ. of California, Santa Barbara, Calif. 93106), & CAMPOS, F. T. Training and conservatism in subjective probability revision. *Journal of Experimental Psychology*, 1972, 94, 335-337.

- NICKERSON, R. S. (Bolt Beranek & Newman Inc., 50 Moulton St., Cambridge, Mass. 02138). Binary-classification reaction time: A review of some studies of human information-processing capabilities. *Psychonomic Monograph Supplements*, 1972, 4(17, Whole No. 65).

- SHALLICE, T. (National Hosp., Queen Sq., London, W.C.1, England). Dual functions of consciousness. *Psychological Review*, 1972, 79, 383-393.

- SIMON, H. A. (Carnegie-Mellon Univ., Pittsburgh, Pa. 15213). Complexity

and the representation of patterned sequences of symbols. *Psychological Review*, 1972, 79, 369-382.

- WING, A. M. (McMaster Univ., Hamilton, Ont., Canada). Symmetry, Gestalt and information theory: A critique. *Quarterly Journal of Experimental Psychology*, 1972, 24, 356-358.

#### SLEEP & FATIGUE

- ALLEN, S. R. (Dept. of Psychiat., Univ. of Edinburgh, Royal Edinburgh Hosp., Edinburgh, EH10 5HF, Scotland), OSWALD, I., LEWIS, S., & TAGNEY, J. The effects of distorted visual input on sleep. *Psychophysiology*, 1972, 9, 498-504.

- GOLDSTEIN, L. (Neuropharmacol. Sec., N.J. Bureau of Rsch. in Neurol. & Psychiat., Princeton, N.J. 08540), STOLTZFUS, N. W., & GARDOCKI, J. F. Changes in interhemispheric amplitude relationships in the EEG during sleep. *Physiology & Behavior*, 1972, 8, 811-815.

- HARMON, R. J., & EMDE, R. N. (Dept. of Psychiat., Univ. of Colorado Med. Ctr., Denver, Colo. 80220). Neonatal muscle tone recorded from eye movement leads. *Psychophysiology*, 1972, 9, 458-460.

- HILBERT, R. (Navy Med. Neuropsychiat. Rsch. Unit, San Diego, Calif. 92152), & NAITOH, P. EOG and delta rhythmicity in human sleep EEG. *Psychophysiology*, 1972, 9, 533-538.

- JACOBS, L., FELDMAN, M., & BENDER, M. B. (Dept. of Neurol., Mt. Sinai Sch. of Med., New York, N.Y. 10029). Are the eye movements of dreaming sleep related to the visual images of the dreams? *Psychophysiology*, 1972, 9, 393-401.

- KOULACK, D. (Univ. of Manitoba, Winnipeg, Man., Canada). Rapid eye movements and visual imagery during sleep. *Psychological Bulletin*, 1972, 78, 155-158.

- LANGFORD, G. W. (Bedford Coll., Univ. of London, London NW1 4NS, England), MEDDIS, R., & PEARSON, A. J. D. Spontaneous arousals from sleep in human subjects. *Psychonomic Science*, 1972, 28, 228-230.

- SALZARULO, P. (Istituto di Psicologia, Viale Berti Pichat, Bologna, Italy). Afternoon sleep in sensory deprivation: An EEG and polygraphic investigation in man. *Physiology & Behavior*, 1972, 8, 1135-1140.

# SOCIAL PROCESSES

## SOCIAL INTERACTION

### ATTITUDES

LA GAIPA, J. J. (Univ. of Windsor, Windsor, Ont., Canada). Perception of friendship rewards and affiliation arousal. *Psychonomic Science*, 1972, 28, 69-71.

PETERSON, R. A. (Univ. of Texas, Austin, Tex. 78712), & SHARPE, L. K. Effects of ordinal position: Tripartite analysis. *Psychological Reports*, 1972, 30, 890.

RICHEY, M. H. (St. Louis Univ., St. Louis, Mo. 63103), PICHEY, H. W., & THIEMAN, G. Negative salience in impression of character: Effects of new information on established relationships. *Psychonomic Science*, 1972, 28, 65-67.

SEDLACEK, W. E. (Univ. of Maryland, College Park, Md. 20740), & BROOKS, G. C., JR. Race of experimenter in racial attitude measurement. *Psychological Reports*, 1972, 30, 771-774.

### SOCIAL INFLUENCES

BAREFOOT, J. C. (Carleton Univ., Ottawa, Ont., Canada), HOOPLE, H., & McCLAY, D. Avoidance of an act which would violate personal space. *Psychonomic Science*, 1972, 28, 205-206.

FREY, R. L., JR. (Univ. of North Carolina, Chapel Hill, N.C. 27514), & ADAMS, J. S. The negotiator's dilemma: Simultaneous in-group and out-group conflict. *Journal of*

*Experimental Social Psychology*, 1972, 8, 331-346.

GESHURI, Y. (Northwest Missouri State Coll., Maryville, Mo. 64468). Observational learning: Effects of observed reward and response patterns. *Journal of Educational Psychology*, 1972, 63, 374-380.

LAMBERTH, J. (Univ. of Oklahoma, Norman, Okla. 73069), GAY, R. A., & DYCK, D. G. Differential reward magnitude and human conditioning with social reinforcers. *Psychonomic Science*, 1972, 28, 231-233.

LOMBARDO, J. P. (State Univ. of New York, Coll. at Cortland, Cortland, N.Y. 13045), TATOR, G. D., & WEISS, R. F. Performance changes in human conditioning as a function of shifts in the magnitude of attitudinal reinforcement. *Psychonomic Science*, 1972, 28, 215-218.

MUSANTE, G. (Duke Univ. Med. Ctr., Durham, N.C. 27706), & ANKER, J. M. E's presence: Effect on S's performance. *Psychological Reports*, 1972, 30, 903-904.

SCHULTZ, C. B., & DI VESTA, F. J. (Dept. of Ed. Psychol., Pennsylvania State Univ., University Park, Pa. 16802). Effects of expert endorsement of beliefs on problem-solving behavior of high and low dogmatists. *Journal of Educational Psychology*, 1972, 63, 194-201.

HAKE, D. F. (Behav. Rsch. Lab., Anna State Hosp., Anna, Ill. 62906), & VUKELICH, R. A classification and review of cooperation procedures. *Journal of the Experimental Analysis of Behavior*, 1972, 18, 333-343.

JOHNSON, D. F. (Management Rsch. Ctr., Univ. of Rochester, Rochester, N.Y. 14627), & TULLAR, W. L. Style of third party intervention, face-saving and bargaining behavior. *Journal of Social Psychology*, 1972, 8, 319-330.

LAUGHLIN, P. R. (Univ. of Illinois, Champaign, Ill. 61820). Selection versus reception concept-attainment paradigms for individuals and cooperative pairs. *Journal of Educational Psychology*, 1972, 63, 116-122.

LARSEN, K. S. (Oregon State Univ., Corvallis, Oreg. 97330). Attributed power, response strategies and non-zero sum game behavior. *Psychological Reports*, 1972, 30, 821-822.

STINSON, J. E. (Ohio Univ., Athens, Ohio 45701). "Least preferred coworker" as a measure of leadership style. *Psychological Reports*, 1972, 30, 930.

WYER, R. S., JR. (Univ. of Illinois, Chicago Circle, Chicago, Ill. 60680), & MALINOWSKI, C. Effects of sex and achievement level upon individualism and competitiveness in social interaction. *Journal of Experimental Social Psychology*, 1972, 8, 303-314.