- With G. M. HEIDER. Studies on preschool deaf children. Volta Review, 45, 261-267.
- With G. M. HEIDER. The adjustment of the adult deaf:
  1. Comments from the deaf about after-school problems. Volta Review, 45, 325-328, 380-382.
- With G. M. HEIDER. The adjustment of the adult deaf:
  2. After-school problems as the psychologist sees them. Volta Review, 45, 389-391, 430.
- With G. M. HEIDER. Deafness. In R. B. Winn (Ed.), *Encyclopedia of Child Guidance*. New York: Philosophical Library. Pp. 100-104.

## 1944

- With MARIANNE SIMMEL. An experimental study of apparent behavior. *American Journal of Psychology*, 57, 243-259.
- Social perception and phenomenal causality. *Psychological Review*, **51**, 358–374.

### 1946

Attitudes and cognitive organization. Journal of Psychology, 21, 107-112.

#### 1955

Consciousness, the perceptual world, and interaction with others. Proceedings of the Fourteenth International Congress of Psychology: 1954. Amsterdam: North-Holland. P. 159.

#### 1957

Trends in cognitive theory. In H. E. Gruber, K. R. Hammond, & R. Jessor (Eds.), *Contemporary approaches to cognition*. Cambridge: Harvard Univer. Press. Pp. 201-210.

### 1958

- The psychology of interpersonal relations. New York: Wiley.
- Social perception and phenomenal causality; perceiving the other person; consciousness, the perceptual world, and communications with others. In R. Tagiuri & L. Petrullo (Eds.), *Person perception and interpersonal behavior*. Stanford: Stanford Univer. Press. Pp. 1-32.

## 1959

- On perception and event structure, and the psychological environment. *Psychological Issues*, 1(3), 1-123.
- On Lewin's method and theory. Journal of Social Issues, Suppl. No. 13.

#### 1960

- The Gestalt theory of motivation. In M. R. Jones (Ed.), *The Nebraska symposium on motivation: 1960.* Lincoln: Univer. Nebraska Press. Pp. 145-172.
- On the reduction of sentiment. In S. Hook (Ed.), Dimensions of mind. New York: New York Univer. Press. Pp. 198-201.

#### 1962

The other person: How we perceive it. Proceedings of the Sixteenth International Congress of Psychology: 1960. Amsterdam: North-Holland. Pp. 564-565. Martin Scheerer. In C. Scheerer (Ed.), *Cognition: Theory,* research, promise. New York: Harper & Row. Pp. 1-5.

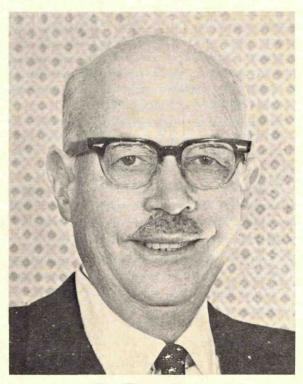
## PAUL THOMAS YOUNG

## Citation

"For his lifelong study of hedonic processes in behavior. Convinced of their significance for psychology, he endeavored to give objective reference and experimental validity to the concept. Although hedonic theorizing ran counter to the prevailing temper, he persisted in the belief that the control of behavior must be analyzed for affective value as well as intensity value. His research on preference showed the effect of experience in modifying acceptability; his work on need-free organisms clarified acceptance and appetitive behavior. Most recently, he has been examining composite stimuli and preference. Current renewed interest in hedonic theory rests in good measure on his experimental demonstrations and theoretical arguments."

## Biography

Paul Thomas Young was born in Los Angeles, California, in 1892. He attended the public schools of that city and received the AB in 1914 from Occidental College. He attended Princeton University



PAUL THOMAS YOUNG

during 1914–16, receiving the AM degree in 1915, and the PhD from Cornell University in 1918. At Cornell he was Sage Scholar in Psychology and Teaching Assistant in the Department of Psychology.

His teaching career included 2 years, 1919–21, as Instructor in Psychology at the University of Minnesota prior to a move in the fall of 1921 to the University of Illinois. At Illinois he was advanced through the various academic ranks to Professor of Psychology in 1934, which title he held until 1960 when he became Professor of Psychology Emeritus, Following retirement he continued laboratory research under a grant from the National Science Foundation until 1963 when he moved to Claremont, California. He has held summer teaching positions at the University of California, Los Angeles, 1947, and San Diego State College, 1950. Sabbatical leaves from the University of Illinois included: a year at Stanford University, 1932-33; Yale University as Visiting Fellow, 1939-40; Harvard University as Research Fellow, 1947-48.

Young is a Fellow of the American Psychological Association and of the American Association for the Advancement of Science, a Life Member of the Midwestern Psychological Association and the Illinois Psychological Association. He is a member of the Psychonomic Society, the American Association of University Professors, and Phi Beta Kappa, Sigma Xi, Psi Chi, and Phi Delta Kappa fraternities.

Young has served on numerous local and national committees. He was Chairman of APA's Committee on Precautions in Animal Experimentation, 1927-30, and member of the Council of the Midwestern Psychological Association, 1933-36. He collaborated with the National Research Council's Committee on Food Habits, 1944, and with the Food Acceptance Division, Quartermaster, United States Army, 1947-48. He attended the Minnesota conference on nutrition and behavior, 1956. He served on the editorial boards of the Journal of Social Psychology and Comparative Psychology Monographs until discontinuance of the latter journal in 1961. His research has been supported by grants from the American Medical Association, the Quartermaster of the United States Army, the Research Board of the University of Illinois, and the National Science Foundation.

In 1926–27 Young received a National Research Council fellowship for study abroad. At Berlin, in the Psychologisches Institut der Kaiser Wilhelm Universität, he made the first experiment of a series upon food preferences of the white rat and, incidentally, completed a study of sound localization with a pseudophone. Holder of Occidental College's distinguished alumnus award, he received in 1961 the honorary DSc from his alma mater.

# Scientific Publications

## 1918

- An experimental study of mixed feelings. American Journal of Psychology, 29, 237-271.
- The localization of feeling. American Journal of Psychology, 29, 420-430.

Tunable bars, and some demonstrations with a simple bar and a stethoscope. *Psychological Bulletin*, 15, 293-300.

## 1921

Pleasantness and unpleasantness in relation to organic response. American Journal of Psychology, 32, 38-53. The vibrations of a tuning fork. Science, 54, 604-605.

#### 1922

- Movements of pursuit and avoidance as expressions of simple feeling. American Journal of Psychology, 33, 511-526.
- Series of difference tones obtained from tunable bars. American Journal of Psychology, 33, 385-393.

## 1923

- Constancy of affective judgment to odors. Journal of Experimental Psychology, 6, 182-191.
- A differential color mixer with stationary disks. Journal of Experimental Psychology, 6, 323-343.

#### 1924

The phenomenological point of view. *Psychological Review*, **31**, 288-296.

#### 1925

- The coexistence and localization of feelings. British Journal of Psychology, 15, 356-362.
- The phenomena of organic set. Psychological Review, 32, 472-478.

#### 1927

- With R. GUNDLACH & D. A. ROTHSCHILD. A test and analysis of set. Journal of Experimental Psychology, 10, 247-280.
- An analysis of observation in the field of affective psychology. In, Proceedings and Papers of the VIIIth International Congress of Psychology. Groningen: Noordhoff.
- Studies in affective psychology: I. The localization and spatial character of pleasantness and unpleasantness. American Journal of Psychology, 38, 157-167.
- Studies in affective psychology: II. The case for the affective processes. American Journal of Psychology, 38, 167-175.

र 5500 जोकट

电

an talan talah sa

- Studies in affective psychology: III. The "trained" observer in affective psychology. American Journal of Psychology, 38, 175-185.
- Studies in affective psychology: IV. The logic of affective psychology. American Journal of Psychology, 38, 186-189.
- Studies in affective psychology: V. The framework of psychology. American Journal of Psychology, 38, 189– 193.

#### 1928

Auditory localization with acoustical transposition of the ears. Journal of Experimental Psychology, 11, 399-429.

Class-room demonstration of double images. American Journal of Psychology, 40, 497.

- Studies in affective psychology: VI. Preferential discrimination of the white rat for different kinds of grain. *American Journal of Psychology*, 40, 372-394.
- Studies in affective psychology: VII. Conflict of movement in relation to unpleasant feeling. American Journal of Psychology, 40, 394-400.

## 1930

- Studies in affective psychology: VIII. The scale of values method. American Journal of Psychology, 42, 17-27.
- Studies in affective psychology: IX. The point of view of affective psychology. *American Journal of Psychol*ogy, 42, 27-35.
- Studies in affective psychology: X. Some general conclusions. American Journal of Psychology, 42, 35-37.

## 1931

- The rôle of head movements in auditory localization. Journal of Experimental Psychology, 14, 95-124.
- Sex differences in handwriting. Journal of Applied Psychology, 15, 486-498.
- With W. L. MORGAN & E. H. KNIEP. Studies in affective psychology: XI. Individual differences in affective reaction to odors. *American Journal of Psychology*, 43, 406-414.
- With W. L. MORGAN & E. H. KNIEP. Studies in affective psychology: XII. The relation between age and affective reaction to odors. *American Journal of Psychology*, 43, 414-421.

#### 1932

- The relation of bright and dull pressure to affectivity. American Journal of Psychology, 44, 780-784.
- Relative food preferences of the white rat. Journal of Comparative Psychology, 14, 297-319.

## 1933

- Relative food preferences of the white rat. II. Journal of Comparative Psychology, 15, 149-165.
- Food preferences and the regulation of eating. Journal of Comparative Psychology, 15, 167-176.
- With R. K. COMPTON. A study of organic set: Immediate reproduction of spatial patterns presented by successive points to different senses. *Journal of Experimental Psychology*, **16**, 775-797.

- Memory for pleasant, unpleasant, and indifferent pairs of words. Journal of Experimental Psychology, 16, 454-455.
- Motivation of human and animal behavior. Ann Arbor, Mich.: Edwards Brothers.

## **19**36

Motivation of behavior, the fundamental determinants of human and animal activity. New York: Wiley.

## 1937

- A group experiment upon the affective reaction to odors. American Journal of Psychology, 49, 277-286.
- Is cheerfulness-depression a general temperamental trait? *Psychological Review*, 44, 313-319.
- Laughing and weeping, cheerfulness and depression: A study of moods among college students. Journal of Social Psychology, 8, 311-334.
- A study upon the recall of pleasant and unpleasant words. American Journal of Psychology, 49, 581-596.
- Reversal of auditory localization. *Psychological Review*, 44, 505-520.

## 1938

- With W. F. THOMAS. Liking and disliking persons. Journal of Social Psychology, 9, 169-188.
- Preferences and demands of the white rat for food. Journal of Comparative Psychology, 26, 545-588.
- An hypothesis concerning the mechanism of appetite. Psychological Bulletin, 35, 716-717.

#### 1940

- Reversal of food preferences of the white rat through controlled pre-feeding. Journal of General Psychology, 22, 33-66.
- With J. R. WITTENBORN. Food preferences of rachitic and normal rats. Journal of Comparative Psychology, 30, 261-276.
- Emotion in man and animal, a psychological interpretation. Ann Arbor, Mich.: Edwards Brothers.

#### 1941

- The experimental analysis of appetite. *Psychological* Bulletin, 38, 129-164.
- With W. B. SINGER. Studies in affective reaction: I. A new affective rating-scale. *Journal of General Psychology*, 24, 281-301.
- With W. B. SINGER. Studies in affective reaction: II. Dependence of affective ratings upon the stimulus-situation. *Journal of General Psychology*, 24, 303-325.
- With W. B. SINGER. Studies in affective reaction: III. The specificity of affective reactions. *Journal of General Psychology*, 24, 327-341.
- Motivation. In W. S. MONROE (Ed.), Encyclopedia of educational research. New York: Macmillan.

#### 1942

With W. F. THOMAS. A study of organic set: Immediate reproduction, by different muscle groups, of patterns presented by successive visual flashes. *Journal of Experimental Psychology*, **30**, 347–367. Emotion in man and animal, its nature and relation to attitude and motive. New York: Wiley.

#### 1944

- Studies of food preference, appetite and dietary habit: I. Running activity and dietary habit of the rat in relation to food preference. Journal of Comparative Psychology, 37, 327-370.
- Studies of food preference, appetite and dietary habit: II. Group self-selection maintenance as a method in the study of food preferences. Journal of Comparative Psychology, 37, 371-391.
- Food preferences, food habits, and appetites of the rat. Report, Feb. 13, National Research Council, Committee on Food Habits, Washington, D. C.

#### 1945

- With J. P. CHAPLIN. Studies of food preference, appetite and dietary habit: III. Palatability and appetite in relation to bodily need. *Comparative Psychology Mono*graphs, 18, No. 3.
- Studies of food preference, appetite and dietary habit: IV. The balance between hunger and thirst. Journal of Comparative Psychology, 38, 135-174.
- Studies of food preference, appetite and dietary habit: V. Techniques for testing food preference and the significance of results obtained with different methods. *Comparative Psychology Monographs*, 19, No. 1.
- With H. B. CARLSON & R. P. FISCHER. Improvement in elementary psychology as related to intelligence. *Psychological Bulletin*, 42, 27-34.

#### 1946

- Studies of food preference, appetite and dietary habit: VI. Habit, palatability and the diet as factors regulating the selection of food by the rat. Journal of Comparative Psychology, 39, 139-176.
- With J. A. YAVITZ. Activities in which college students experience success and failure and those in which they wish to be more successful. *Journal of Social Psychol*ogy, 24, 131-148.
- Motivation. In P. L. Harriman (Ed.), *Encyclopedia of psychology*. New York; Philosophical Library.
- La emoción en el hombre y en el animal. (Trans. by Emilia Mira) Buenos Aires: Nova.

#### 1947

- Studies of food preference, appetite and dietary habit: VII. Palatability in relation to learning and performance. Journal of Comparative and Physiological Psychology, 40, 37-72.
- Motivation, feeling, and emotion. In T. G. Andrews (Ed), Methods of psychology. New York: Wiley.

#### 1948

Studies of food preference, appetite and dietary habit: VIII. Food-seeking drives, palatability and the law of effect. Journal of Comparative and Physiological Psychology, 41, 269-300.

Appetite, palatability and feeding habit: A critical review. Psychological Bulletin, 45, 289-320.

#### 1949

- Studies of food preference, appetite and dietary habit. IX. Palatability versus appetite as determinants of the critical concentrations of sucrose and sodium chloride. *Comparative Psychology Monographs*; 19(5), 1-44.
- With J. P. CHAPLIN. Studies of food preference, appetite and dietary habit: X. preferences of adrenalectomized rats for salt solutions of different concentrations. *Comparative Psychology Monographs*, 19(5), 45-74.
- Food-seeking drive, affective process, and learning. Psychological Review, 56, 98-121.
- Emotion as disorganized response: A reply to Professor Leeper. *Psychological Review*, **56**, 184-191.
- Mechanical aids for patients with muscular disability. Journal of Bone and Joint Surgery, 31-A, 428-430.

## 1950

Motivation. In W. S. Monroe (Ed.), *Encyclopedia of educational research*. (Rev. ed.) New York: Macmillan.

#### 1951

Motivation of animal behavior. In C. P. Stone (Ed.), *Comparative psychology*. (3rd ed.) New York: Prentice-Hall.

#### 1952

- With H. W. RICHEY. Diurnal drinking patterns in the rat. Journal of Comparative and Physiological Psychology, 45, 80-89.
- With A. W. HEVER & H. W. RICHEY. Drinking patterns in the rat following water deprivation and subcutaneous injections of sodium chloride. *Journal of Comparative* and Physiological Psychology, 45, 90-95.
- The rôle of hedonic processes in the organization of behavior. Psychological Review, 59, 249-262.

Motivation, affectivité et émotion. In T. G. Andrews (Ed.), *Methodes de la psychologie*. (Trans. by C. Nony) Paris: Presses Universitaires.

#### 1953

With J. T. GREENE. Quantity of food ingested as a measure of relative acceptability. Journal of Comparative and Physiological Psychology, 46, 288-294.

With J. T. GREENE. Relative acceptability of saccharine solutions as revealed by different methods. Journal of Comparative and Physiological Psychology, 46, 295-298. Differential color-mixers. American Journal of Psychology, 66, 312-313.

Motivation. In W. Yust (Ed.), *Encyclopedia Britannica*. Chicago: Encyclopedia Britannica Press. 

#### 1954

With C. PFAFFMAN, V. G. DETHIER, C. P. RICHTER, & E. STELLAR. The preparation of solutions for research in chemoreception and food acceptance. Journal of Comparative and Physiological Psychology, 47, 93-96. With E. H. SHUFORD, JR. Intensity, duration, and repetition of hedonic processes as related to acquisition of motives. *Journal of Comparative and Physiological Psychology*, 47, 298-305. (Reprinted: Indianapolis, Ind.: Bobbs-Merrill. No. P-371.)

#### 1955

- With E. H. SHUFORD, JR. Quantitative control of motivation through sucrose solutions of different concentrations. *Journal of Comparative and Physiological Psychology*, 48, 114-118.
- Are there degrees of preference? American Journal of Psychology, 68, 318-319.
- The rôle of hedonic processes in motivation. In M. R. Jones (Ed.), Nebraska symposium on motivation: 1955. Lincoln: Univer. Nebraska Press.

## 1956

- With J. L. FALK. The relative acceptability of sodium chloride solutions as a function of concentration and water need. *Journal of Comparative and Physiological Psychology*, 49, 569-575.
- With J. L. FALK. The acceptability of tap water and distilled water to nonthirsty rats. Journal of Comparative and Physiological Psychology, 49, 336-338.

#### 1957

- With D. ASDOURIAN. Relative acceptability of sodium chloride and sucrose solutions. *Journal of Comparative* and Physiological Psychology, **50**, 499–503.
- Continuous recording of the fluid-intake of small animals. American Journal of Psychology, 70, 295-298.
- Psychologic factors regulating the feeding process. (University of Minnesota Symposium on Nutrition and Behavior, April 27, 1956) American Journal of Clinical Nutrition, 5, 154-161.

#### 1958

With J. L. FALK & W. E. KAPPAUF. Running activity and preference as related to concentration of sodiumchloride solutions. *American Journal of Psychology*, 71, 255-262.

## 1959

The role of affective processes in learning and motivation. *Psychological Review*, **66**, 104-125. (Reprinted: Indianapolis, Ind.: Bobbs-Merrill. No. P-372.)

#### 1960

Motivation. In W. H. Crouse (Ed.), Encyclopedia of science and technology. New York: McGraw-Hill. Isohedonic contour maps. Psychological Reports, 7, 478.

## 1961

Motivation and emotion, a survey of the determinants of human and animal activity. New York: Wiley.

- With W. E. KAPPAUF. Apparatus and procedures for studying taste-preferences in the white rat. American Journal of Psychology, 75, 482-484.
- With K. R. CHRISTENSEN. Algebraic summation of hedonic processes. Journal of Comparative and Physiological Psychology, 55, 332-336.
- Methods for the study of feeling and emotion. In D. K. Candland (Ed.), *Emotion, bodily change*. Princeton, N. J.: Van Nostrand.
- Drives. In L. Shores (Ed.), *Collier's encyclopedia*. New York: Crowell-Collier.
- Feeling. In L. Shores (Ed.), *Collier's encyclopedia*. New York: Crowell-Collier.

## 1963

- With R. H. SCHULTE. Isohedonic contours and tongue activity in three gustatory areas of the rat. Journal of Comparative and Physiological Psychology, 56, 465-475.
- With C. H. MADSEN, JR. Individual isohedons in sucrosesodium chloride and sucrose-saccharin gustatory areas. *Journal of Comparative and Physiological Psychology*, 56, 903-909.
- With R. G. BURRIGHT & L. J. TROMATER. Preferences of the white rat for solutions of sucrose and quinine hydrochloride. *American Journal of Psychology*, **76**, 205-217.
- Motivation. In A. Deutsch (Ed.), The encyclopedia of mental health. New York: Franklin Watts.

#### 1964

- With C. L. TRAFTON. Activity contour maps as related to preference in four gustatory stimulus areas of the rat. *Journal of Comparative and Physiological Psychology*, 58, 68-75.
- With C. L. TRAFTON. Psychophysical studies of taste preference and fluid intake. In M. Wayner (Ed.), Thirst, proceedings of the First International Symposium on Thirst in the Regulation of Body Water held at the Florida State University in Tallahassee, May 1963. Oxford, England: Pergamon Press.

#### 1965

- Hedonic organization and regulation of behavior. Psychological Review, in press.
- Physiological drives. In E. L. Sills (Ed.), International encyclopedia of the social sciences. New York: Macmillan, in press.
- Emotion: The concept. In E. L. Sills (Ed.), International encyclopedia of the social sciences. New York: Macmillan, in press.

\* \* \*

#### COMMITTEE ON SCIENTIFIC AWARDS

ROGER G. BARKER JAMES J. GIBSON, Chairman Wolfgang Köhler Henry A. Murray Carl Pfaffmann