

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel in the order listed on Form Page 2.
Photocopy this page or follow this format for each person.

NAME	POSITION TITLE
William F. Caul	Professor of Psychology

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)

INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Bucknell University, Lewisburg	BA	1960	Psychology
Carnegie-Mellon University, Pittsburgh	MS	1962	Psychology
Carnegie-Mellon University, Pittsburgh	PhD	1965	Psychology

RESEARCH AND PROFESSIONAL EXPERIENCE: Concluding with present position, list, in chronological order, previous employment, experience, and honors. Include present membership on any Federal Government public advisory committee. List, in chronological order, the titles, all authors, and complete references to all publications during the past three years and to representative earlier publications pertinent to this application. If the list of publications in the last three years exceeds two pages, select the most pertinent publications. **DO NOT EXCEED TWO PAGES.**

- 1964-1969 Instructor/ Assistant Professor, Laboratory of Clinical Science, School of Medicine, University of Pittsburgh
- 1970-1972 Assistant Professor of Psychology, Vanderbilt University
- 1972-1979 Associate Professor of Psychology, Vanderbilt University
- 1979-pres Professor of Psychology, Vanderbilt University

Publications

Buchanan, D. C., Shaefer, G. J., & Caul, W. F. (1972). Effects of infantile handling on heart rate conditioning and response suppression. Psychonomic Science, *29*, 279-281.

Buck, R. W., Miller, R. E., Savin, V. J., & Caul, W. F. (1972). Communication of affect through facial expressions in humans. Journal of Personality and Social Psychology, *23*, 362-371.

Caul, W. F., & Barrett, R. J. (1972). Electroconvulsive shock effects on conditioned heart rate and suppression of drinking. Physiology and Behavior, *8*, 289-290.

Caul, W. F., Buchanan, D. C., & Hays, R. C. (1972). Effects of unpredictability of shock on incidence of gastric lesions and heart rate in immobilized rats. Physiology and Behavior, *8*, 669-672.

Herner, D., and Caul, W. F. (1972). Restraint induced ulceration in rats during estrus and diestrus. Physiology and Behavior, *8*, 777-779.

Caul, W. F., & Barrett, R. J. (1973). Shuttle-box versus Y-maze avoidance: Value of multiple response measures in interpreting active-avoidance performance of rats. Journal of Comparative and Physiological Psychology, *84*, 572-578.

Miller, R. E., & Caul, W. F. (1973). Effect of adrenocorticotrophic hormone on appetitive discrimination learning in the rat. Physiology and Behavior, *10*, 141-143.

Buchanan, D. C., & Caul, W. F. (1974). Gastric ulceration in rats induced in self-imposed immobilization or physical restraint. Physiology and Behavior, *13*, 583-588.

Buck, R., Miller, R. E., & Caul, W. F. (1974). Sex, personality, and physiological variables in the communication of affect via facial expression. Journal of Personality and Social Psychology, *30*, 587-596.

Caul, W. F., Barrett, R. J., Thune, G. E., & Osborne, G. L. (1974). Avoidance decrement as a function of training-test interval: Single cycle or multiphasic? Behavioral Biology, *11*, 409-413.

Bloxom, B., Caul, W. F., Fristoe, M., & Thompson, W. J. (1975). On the use of student-led discussion groups. The Educational Forum, *89*, 223-230.

Caul, W. F., Freeman, B. J., & Buchanan, D. C. (1975). Effects of differential rearing condition on heart rate conditioning and response suppression. Developmental Psychobiology, *8*, 63-68.

Osborne, G. L., & Caul, W. F. (1975). Y-maze avoidance performance and activity change as a function of CS quality in rats. Behavioral Biology, *15*, 183-192.

LaBarbera, J. D., & Caul, W. F. (1976). An opponent process interpretation of post-shock bursts in appetitive responding. Animal Learning and Behavior, *4*, 386-390.

Travis

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- Osborne, G. L., Caul, W. F., & Vanstrum, R. (1976). Avoidance differences between rats and gerbils. *Animal Learning and Behavior*, *4*, 151-159.
- Boyd, S. C., Caul, W. F., & Bowen, B. K. (1977). Use of cold restraint to examine psychological factors in gastric ulceration. *Physiology and Behavior*, *18*, 865-870.
- Caul, W. F., Osborne, G. L., Fernandez, K., & Henderson, G. I. (1978). Prenatal ethanol effects on development and adult openfield and avoidance performance in rats. *Alcoholism: Clinical and Experimental Research*, *2*. (Abstract)
- Boyd, S. C., & Caul, W. F. (1979). Evidence of state dependent learning of brightness discrimination in hypothermic mice. *Physiology and Behavior*, *23*, 147-153.
- Caul, W. F., Osborne, G. L., Fernandez, K., & Henderson, G. I. (1979). Openfield and avoidance performance of rats as a function of prenatal ethanol treatment. *Addictive Behaviors*, *4*, 311-322.
- Osborne, G. L., Caul, W. F., & Fernandez, K. (1980). Behavioral effects of prenatal ethanol exposure and differential early experience in rats. *Pharmacology Biochemistry and Behavior*, *12*, 393-401.
- Caul, W. F., Fernandez, K., & Michaelis, R. (1983). Effects of prenatal ethanol exposure on heart rate, activity, and response suppression. *Neurobehavioral Toxicology and Teratology*, *5*, 461-464.
- Fernandez, K., Caul, W. F., Boyd, J. E., Henderson, G. I., & Michaelis, R. C. (1983). Malformation and growth of rat fetuses exposed to brief periods of alcohol in utero. *Teratogenesis, Carcinogenesis and Mutagenesis*, *3*, 457-460.
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- Caul, W. F. (1985). [Review of *Alcohol and the fetus: A clinical perspective* by H. L. Rosett and L. Weiner.] *Contemporary Psychology*, *30*, 829.
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- Haenlein, M., & Caul, W. F. (1987). Attention deficit disorder with hyperactivity: A specific hypothesis of reward dysfunction. *Journal of the American Academy of Child and Adolescent Psychiatry*, *26*, 356-362.
- Caul, W. F., Jones, J. R., & Barrett, R. J. (1988). Amphetamine's effects on food consumption and body weight: The role of adaptive processes. *Behavioral Neuroscience*, *102*, 441-450.
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Principal Investigator/Program Director (*Last, first, middle*): Thompson,