

# Cantaurus

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**Cover:** The artwork on the cover is an original work by Dee Erway, Program Director for Graphic Design at McPherson College. The quotation is taken from Wendell Berry's essay, *The Loss of the University*, (p. 82 in *Home Economics*, North Point Press, 1987) in which he references the book *Samuel Johnson*, by W. Jackson Bate (Harcourt Brace Jovanovich, 1977, p. 51) as follows: "Dr. Johnson told Mrs. Thrale that his cousin, Cornelius Ford, `advised him to study the Principles of everything, that a general Acquaintance with Life might be the Consequence of his Enquiries - Learn said he the leading Precognita of all things ... grasp the Trunk hard only, and you will shake all the Branches."

**Cantaurus** is an official publication of the Division of Science and Technology, McPherson College, McPherson, KS. The purpose of this journal is to publish the results of original research conducted by students majoring in the natural sciences at McPherson College. The research published herein represents partial fulfillment of the requirements for the B.S. degree at McPherson College.

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