

Cantaurus

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Jennifer M. Amiot	☺	The Effect of Day Length on the Longevity of <i>Drosophila melanogaster</i>	2-4
Janet Bowen	☺	Develop a Quantitative Analytical Method for Low (\approx 1 ppm) Levels of Ammonium Sulfate	5-8
Justin W. Dennis		The Effect of <i>Echinacea purpurea</i> on Stimulating IgM (Primary) and IgG (Secondary) Immune Responses in Male CD1 Mice	9-11
Matt Friesen		A Comparative Analysis of Flue Gas Desulfurization Byproducts to Limestone in an Increase in the Soil pH	12-14
Damian Harris		The Effects of Bacteria in Different Soils of Artificial Wetlands on Certain Contaminants	15-18
Sarah Hooton		The Effect of Different Concentrations of <i>Gingko biloba</i> on the Memory of a Maze in Mice	19-22
Roy Johnson, Jr.	☺	Survey of Plasmid Transfer Containing Ampicillin Resistant Gene between <i>Escherichia coli</i> pGFPuv and <i>Enterobacter aerogenes</i> Intestinal Flora Varying Wastewater Treatment Plant Water Quality Standards	23-27
Cameron Koster		Force Analysis of Individuals and Calibration of the Dynamic Force Monitor Prototype	28-30
Mandi McGoyne		Effects of Exercise on the Respiration Rate of Mice	31-33
Willie Norman		The Effects of Varying pH on Plasmid Transfer from <i>Escherichia coli</i> to <i>Enterobacter aerogenes</i>	34-35
Eric D. Putnam	☺	Groundwater Analysis of Triazine Herbicide Using Solid Phase Extraction and High Pressure Liquid Chromatography	36-37
Anna Katharina Schenk	☺	The Effects of Various Carbon Dioxide Concentrations on <i>Lemna minor</i>	38-40
Brooks R. Thode		The Effects of Human Presence on the Texas Tortoise (<i>Gopherus berlandieri</i>) in Southern Texas and Northern Mexico	41-43
Levi Torrison		The Effect of Microwave Radiation on Polypropylene Used in Food Containers	44-46
Jasmine Zitnik		Bayesian Inversion of Simply Modeled Magnetic Anomaly Data	47-51
		Guide to Authors	52-55
	☺	Research Awards in the Natural Sciences	56
		Cumulative Index, Volumes 1-7	57-59

Cover: The artwork on the cover is an original work by Valoree Ebersole, a freshman art major 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 every thing, 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 biological and physical sciences at McPherson College. The research published herein represents partial fulfillment of the requirements for the B.S. degree at McPherson College.