

Final Report

Sharon Miller, SUI Fellow
Tri-County Technical College
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This final report highlights the efforts at Tri-County Technical College (TCTC) to help students, faculty, and staff understand how to meet fundamental human needs without destroying the earth's ability to support humans. It was the SUI Fellow's goal to help identify and implement actions that could integrate the concept of sustainability across campus. The SUI funds were made available to facility operations personnel as well as for faculty to enhance curricula and to attend "green" conferences. Additional SUI funds were used to buy a variety of items and fund several special events. A detailed list of videos/books will follow. The events and activities are highlighted below.

- During the spring of 2001, the Environmental Club and aluminum-can recycling were reactivated after a three-year lapse. New bins were purchased to include plastic bottle recycling and expand paper recycling.
- The Environmental Club sponsored a "green event" the day before St. Patrick's Day in order to draw attention to the recycling effort and to educate students and staff on items that can be made from recycled plastic. Most of this information was in a campus display case for a month while the remainder was in the cafeteria the day of the event. At the "green event" small packets of vegetable and flower seed were given away, Earth Day T-shirt orders were taken and a "pie your teacher" segment served as a fund-raiser.
- Dr. Sharon Miller, as adviser of the Environmental Club, was invited to be one of the speakers at TCTC's annual faculty and staff retreat in August, 2001. The theme was Learner-Centered Education and she spoke of student organizations as an opportunity for student learning beyond the classroom.
- The Club's 2001 fall semester event included: an America Recycles Day observance in the College cafeteria with a display of items that can be recycled; sharing of DHEC information sheets (oil recycling was featured); and door prizes.
- Earth Day 2002 was celebrated in conjunction with TCTC's Student Government's Spring Fling. Four tables were set up with information including alternative energy sources (solar and wind), Ducks Unlimited and SC State Parks. Door prizes were awarded to the winners of the "Don't Be A Butt Head" contest, which involved picking up cigarette butts on campus.
- Cigarette-butt litter remains a major concern of the Club and a campus cleanup that will include the distribution of pocket ashtrays is planned for November 2002.
- The Environmental Club has enrolled in the National Wildlife Federation's Campus Ecology program for 2002-03. Litterbags with the message, "Please...Think About Tomorrow, Don't Litter-Recycle – TCTC Environmental Club/Sustainable Universities Initiative," are being given out at many campus events.
- In the summer of 2001 SUI funds were used to work with faculty who were receptive to including or increasing an environmental/sustainability component in

their courses. The SUI Fellow's availability was made known to the faculty and staff. Some faculty approached the SUI Fellow while the SUI Fellow shared information with specific faculty members that were appropriate for specific curricula or a specific class.

- Videos and/or books were purchased for the Health Science Library and for use in biology, nutrition, sociology, anthropology, microbiology, economics, mathematics, and a Technology and Culture course. Information was shared with faculty teaching English, ethics, dental hygiene, respiratory care and child development and with staff in procurement and physical facilities, although no purchases were made. The Biology 101 classes for the Fall 2002 semester included, for the first time, sustainability as an issue in the ecology unit.
- Arrangements were made to take students to Furman University's (Greenville, SC) Earth Day event in 2001 and 2002. Six people attended in 2002.
- The SUI Fellow attended the Furman event both years, as well as the annual spring meetings of the Environmental Education Association of South Carolina, the 2001 annual conference of the North American Association of Environmental Educators (Little Rock, AR) and an SUI-sponsored event, "Linking the Environment and Health."
- To reach more students, faculty, staff and the general public, SUI funds were used to bring internationally known "Earth Mama" to the TCTC campus for a free concert in February of 2002. Joyce Johnson Rouse uses a musical approach to teaching and raising consciousness for a sustainable and health future for this planet. She leaves audiences entertained, inspired and equipped with practical ideas for living more gently on the earth.
- Finally, approved, but not yet implemented is a way to recognize faculty or staff for something they do at work which is "environmentally friendly" and a good example for others to follow. We are thinking of calling it the "Green Salute." The recipient would get a certificate and be recognized in the college's faculty/staff news publication called the Intercom.
- Environmental math courses, projects in environmental math suitable for classroom use, and sources for data of use for environmental modeling are now available at <http://www.nmt.edu/~wdstone/www/EnvironMath/CEMLinks.htm>.

Course pages include the following:

- Andy Long's Mathematics for Liberal Arts – Environmental Sustainability
- Nancy Zumoff's EarthMath
- Ben Fusaro's Environmental Math
- Greg Langkamp's and Joe Hull's 6 Billion and Counting - Integrating Liberal Arts Math and Environmental Science
- Jerry Marshall's Introduction to Technology Careers project environmental impact component

Projects include the following:

- Pat Kenschaft's radio show
- Data
- Quantitative Environmental Learning Project (QELP)

Books

- MATHEMATICS FOR HUMAN SURVIVAL, by Pat Kenshaft
- MATHEMATICS FOR THE ENVIRONMENT, by Marty Walter
- MATHEMATICAL MODELING FOR THE ENVIRONMENT, by Charles Hadlock:
- ENVIRONMENTAL MATHEMATICS FOR THE CLASSROOM by Ben Fusaro (Editor), Pat Kenshaft (Editor)

Books and Videos Purchased with SUI funds at Tri-County Technical College 2001-2002

BOOKS:

A Survey of Sustainable Development, Social and Economic Dimensions, 2001. Edited by: J.M. Harris, T.A. Wise, K.P. Gallagher and N.R. Goodwin
Island Press, Washington

Chemical Exposure and Disease, 1994. J.D. Sherman.
Princeton Scientific Publishing Company, Inc., New Jersey

Environmental Issues: Measuring, Analyzing and Evaluating. 2002.
R.L. McConnell and D.C. Abel. Prentice-Hall, Inc., New Jersey

Life's Delicate Balance. 2000. J.D. Sherman
Taylor and Francis, New York.

VIDEOS: (title and source)

Affluenza – Bullfrog Films, Inc.

Borderline Cases, US/Mexico Border – Bullfrog Films, Inc.

Keeping the Earth – Union for Concerned Scientists

Microbial Control – Annenberg/CPB

Microbial Ecology – Annenberg/CPB

My Father's Garden – Bullfrog Films, Inc.

Paths of Pollution – Insight Media

Ring of Fire – Slingshot, Inc.

Science and Society: Global Issues of the 21st Century – Hawkhill Associates, Inc.

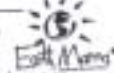
The Next Industrial Revolution – Earthome Production

Photos from some of the events:



Faculty/Staff/Students:

EARTH MAMA IS COMING



10:10 a.m. and again at 6:30 p.m., O'Connor Auditorium - FREE. Through her music, Joyce Johnson Rouse leaves audiences entertained, inspired, and equipped with practical ideas for living more gently on this amazing planet we call Earth. Her music has been used extensively in educational venues and by international environmental and peace organizations, such as the Food and Agriculture Organization of the United Nations and Web of Life Audio.

This event is sponsored by Sustainable Universities Initiative. Contact Dr. Sharon Miller in Health/Science Building, Room 509, or at Ext. 2228 for more details.



the lounge area below the pool tables. We need to finalize our plans for the Spring Bash. Also, if you are interested in attending Furman University's Earthfest celebration on Saturday, April 20, please contact Dr. Miller in HS 509 or at Extension 2228 by April 17 so that transportation, etc., can be scheduled. We'd leave Tri-County at 9:30 a.m. and return by 1:30 p.m.

