The Waste Management Institute (WMI) is Off and Running!

The Interdisciplinary Waste Management Institute (WMI) was approved in June 1994 by the General Administration of the University of North Carolina as an academic support unit with research and public service functions. The mission of the WMI is to: (1) enhance awareness and understanding of environmental and waste management issues and (2) enhance instruction, research, and outreach which are needed to improve the quality of life and protect the environment. The goals of the WMI are to: (1) increase the number of minority professionals who will work in environmental and waste management fields; (2) develop cooperative and exchange programs involving faculty, students, government and industry; and (3) serve as an institutional sponsor of public awareness workshops and lecture series.

Sixteen Students Receive Waste Management Certificates

Waste Management Certificates (WMC) were awarded to the following NCA&TSU May 1995 graduates (B.S.): Joseph Brown (Civil Engineering); Kulema Hubbard, Herman M. McDowell, Keith McCullough, Krista Rogers, Russell Hicks and Benita Byrd (Occupational Safety and Health); Eulanda Grigg, Telora Thatch, Reginald Robinson, Sharon Burton Foster and Katrina Lee (Ag. Sci.-Earth and Environmental Science); Achebe Hope, Joseph Mensah, Karen McIwain, and Trina Jones (Chemical Engineering). These students completed the required coursework in Environmental and Waste Management.

Department of Energy — Savannah River Office Awards Nearly $1.5 Million to the WMI

The Department of Energy — Savannah River Office (DOE-SR) awarded nearly $1.5 Million to the WMI for infrastructure in September 1994. The grant is aimed at interesting more minority students in environmental and waste management careers. NCA&TSU students will have the opportunity to broaden their education beyond their chosen academic fields of study.
WMI Awards Scholarships to NCA&TSU Students

The WMI/DOE-SR Scholarships ($700/student) were awarded to 25 students ($17,500) during the 1994/95 academic year. The scholarship recipients were: Alonzo Andrews, Joseph Brown, Rodney Gibbs, Mondez Holloman, Damon Martin, Roosevelt Monroe, and Camille Walton, (Civil Engineering), Tashara Bailey and Michael Jakubiak (Ag. Engineering), Jade Barnes (Business Administration), Regina Exum (Marketing), Ronald Leak (Management), Harvey Campbell, Tonya Cash, Katina Lee, Wilfred Nixon, Karri Cecil, and Allen Roberts (Ag. Sci-Earth and Environmental Science), Jewel Carter and Kulema Hubbard, (Occupational Safety and Health), James Jonathan and Kimberly Langford (Architectural Engineering), Lisa Johnson (Social Work), Lois Tennant (Elementary Education), and Dionne Watson (Economics).

Seth Carr ($50), High Point Andrews School; 3rd — Jermique Nixon ($30) Smith High School; and 4th — Tiffany Mosley ($20), Grimsley High School. Industry managers, government officials, and community groups participated in the symposium.

WMI's Innovative Instructional Programs

WMI departments are involving their students in innovative approaches to addressing Waste Management problems. Examples include: GEEN 666 (practice of hazardous waste barrel removal), BUAD 538 (Marketing Issues in Waste Management), Masters Thesis (integrated GIS/RS for hazardous waste transportation), and more!

Four High School Essay Winners Highlight the First Environmental Awareness and Issues Symposium

The Waste Management Institute (WMI) and the Greensboro Area Mathematics and Science Education Center (GAMSEC) jointly organized an environmental issues and awareness symposium on April 13, 1995. Nineteen public school students participated in an environmental essay competition. There were four essay winners: 1st — Dawn Smiter ($100), High Point Andrews School; 2nd —

Students Receive Environmental Fellowships

Lori Laxton (Ag Sci-Earth and Environmental Science), Lori President (Industrial Engineering), and Benita Byrd (Occupational Safety and Health) received the USEPA's environmental fellowships in the 1994/95 academic year.

Record Enrollment in WMI Courses

A record number of NCA&TSU students (76 graduate and 1223 undergraduate students) enrolled in WMI courses in the 1994/95 academic year. Forty-four WMI courses were taught in 20 WMI departments. The WMI publishes and distributes a list of WMI courses every semester.

WMI Sponsors Faculty and Students for Conferences and Workshops in Waste Management

The following faculty members and students were supported by the WMI in the 1994/95 academic year: Dr. F. King (Chemical Engineering), Dr. D. Norford and Dr. L. Ogden (Animal Science), Dr. D. Shah, Terrell Smith, Candance Byrd Song, Tabitha Williams, Travis Montague, William Fletcher and Anthony Alston (Occupational Safety and Health), Dr. G. B. Reddy, Wilfred Nixon, Karri Cecil and John Lee (Natural Resources), Dr. Pamela Hunter (Curriculum and Instruction),

Noteworthy

Environmental and Waste Management Research Efforts

More than 18 environmental and Waste Management projects (more than $2,000,000) were in progress in the 1994/95 academic year.

Community Relations

WMI faculty and students participated in 20 outreach projects in North Carolina's Public Schools and Community Colleges in the 1994/95 academic year.
Eugene Lord (Graphic Communications), and Dr. Michael Taggart (Technology).

Students Participate in Environmental Internships

The following 13 students were the USEPA's Summer 1994 interns: Ken Baldwin (Civil Engineering), Ed Brown, Tonya Jones, Jonathan Mickles and Charles Steepleton (Computer Science), Deshawn Byrd (Architectural Engineering), Trina Dumas and Kimberly O'Neil (Political Science), Kim Rollins (Chemical Engineering), Wanita Dunston (Mechanical Engineering), Eric Funderburk and Katina Lee (Environmental Science), and Kelly Criston (Electrical Engineering).

The Fast Growing Environmental Industry

Clean air, water and land are not just good for our health, but are also good for business. The environmental industry is growing faster than the economy. According to the U.S. Department of Commerce, the environmental goods and services market is roughly $120 billion in the U.S. and $250 billion worldwide. That number could reach the $425 billion mark by 1997. That is good news for black environmental consultants, contractors, and manufacturers.

Over the next decade, the government plans to pump $2 trillion into environmental protection and clean up, according to the "Earth Action Network," an environmental watchdog. Many of the "green" contracts for the management of air, water, and solid waste pollution will go to black companies. For example, George R. Stinson is relishing the nation's shift to clean air. His $15 million dollar firm, General Converters and Assemblers, (GCA) manufacture and assemble eco-conscious products ranging from air fresheners to plastic wrap. Such major firms as "SC Johnson" and "Alberto Culver" are turning to Stinson when they want air fresheners assembled or shampoos and conditioners repackaged for massive promotion.

Located in Racine, WI, Stinson's company also makes and repairs pallets, the wooden props used to ship cargo. Stinson is particularly serious about disposing of scraps wisely. When GCA completes an order, it recycles all of the wood scraps in a bundle, using a device that costs a hefty $100,000. Further, implementing a new recycling plan to ensure that no wood pieces are dumped in landfills will take another $400,000 out of Stinson's pocket next year. "I have to preach and practice both environmental concerns in order to stay in business," says Stinson. But whatever GCA loses on the front end, it will make up on the long haul. With the EPA hiring hundreds of criminal investigators to snipe around for violators, firms such as the Creighton Group and General Converters and Assemblers will have both corporations and small businesses of Americans knocking on their eco-conscious doors!

— Black Enterprise, 1994

Waste Management Project Experience

The Waste Management Instructional, research, and outreach projects at NCA&T SU are geared to address the following national needs:

- Environmental Assessment
- Site Assessment
- Compliance Evaluations
- Underground Storage Tank Management and Design
- Safety in the Workplace
- Wetlands
- Sanitary Landfills
- Air Quality
- Urban Planning
- Environmental Training
- Hazardous Waste Disposal Audits
- Waste Recycling
- Waste Minimization
- Waste Information Network
- Waste Inventory
- Oil Spill Prevention and Cleanup
- Environmental Remediation and more!

For more information about the Waste Management Institute call, fax or write Dr. Godfrey A. Uzochukwu, Director Waste Management Institute North Carolina A&T State University Greensboro, NC 27411 (910) 334-7030 • FAX (910) 334-7399
The Waste Management Institute takes great pride in providing services to clients.

North Carolina A&T State University is committed to equality of educational opportunity and does not discriminate against anyone, students, or employees based on race, color, national origin, religion, sex, age or handicap. Moreover, North Carolina A&T State University is open to people of all races and actively seeks to promote racial integration by recruiting and enrolling a large number of white students.

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This newsletter is a publication of the Waste Management Institute of NCA&TSU. It is intended to increase the awareness of teachers, students, industry, government and community groups about environmental and Waste Management issues.

Pop Quiz (7 Seconds)
Choose one answer only!

| The U.S. is running out of places to put garbage. | T | F | Don't Know |
| Ash produced by burning garbage is a potential health hazard | T | F | Don't Know |
| The cost of getting rid of garbage is increasing. | T | F | Don't Know |
| Car batteries, used engine oil, and pesticides should not be put in the same trash can with other household garbage. | T | F | Don't Know |
| Radon, a gas which can cause lung cancer, can get into houses through cracks in houses and through the water we use. | T | F | Don't Know |
| Oils, grease, paints, and other household chemicals dumped on streets and in storm sewers end up in our water, harming fish and poisoning the water. | T | F | Don't Know |
| The ozone layer in our atmosphere protects living things by screening out the harmful rays of the sun. | T | F | Don't Know |

PLEASE STAMP HERE