The faculty of your program has had considerable impact on the state of environmental health in numerous nations, such as Kenya, Hong Kong, Canada, Ireland, nations of the Caribbean, Ukraine, and the Middle East through requested assistance. Their scholarship was been acknowledged worldwide through publications for the Centers for Disease Control (CDC), teaching in Jamaica, and the presentations of scholarship at events in Greece, Turkey, England, Ukraine and Ireland. Our faculty has been requested as keynote speakers in China, India, and Canada.

**EKU PROFESSOR ELECTED PRESIDENT OF NEHA**

Dr. Carolyn Harvey, Interim Chair of Environmental Health Science, will be incoming President of the National Environmental Health Association in July 2014. NEHA is the world’s premier association representing Environmental Health professionals. The association now stands as a strong professional society with over 5,000 members across the nation.

**THE COUNTRY OF DUBAI REQUESTS OUR ASSISTANCE**

Dr. Gary Brown & Dr. Carolyn Harvey are returning from a trip to the middle eastern country of Dubai, United Arab Emirates, after being requested by that country to assist them in developing an EKU type Environmental Health Science academic program. As a result, Jumeira University has been granted the initial accreditation for the Environmental Health Program for both public and private sectors.
Children of the Rift Valley in Kenya, very pleased with their new EKU bags provided on 2013 research trip.

**EKU ENVIRONMENTAL HEALTH FACULTY DEVELOP HEALTHY HOMES MANUAL**

The 411-page manual was developed by a team of EKU Professors of Environmental Health Science, led by Professor Joe Beck, Dr. Darryl Barnett, Dr. Gary Brown, Dr. Carolyn Harvey, and Professor Worley Johnson. The manual has been accepted as an official document used by the Centers for Disease Control, United States Environmental Protection Agency, and the United States Department of Housing and Urban Renewal. This manual has been distributed worldwide and is also used by several national associations for training purposes.

**PROFESSOR JOE BECK, AUTHORED TWO BOOKS PUBLISHED IN 2013**

The books were published by Kendall Hunt Publishing Co. and are available through Barnes & Noble. The title released in January was *Fundamentals of Environmental Health Field Practice* and is designed as a manual for both students and working professionals. It is being used in several classes. 100% of book royalties go to support professional activities and scholarships for environmental health students. The second book to be released in August, is *Introduction to Environmental Health*. This text will be used for the basic course in environmental health. All seven faculty in the department participated in the development of both books. This book is novel in that two graduates write about their first job experiences and the book contains a CD of study questions and Microsoft PowerPoint presentations for each chapter.

**TREATING DRINKING WATER WITH SUNLIGHT**

Professors Joe Beck, Environmental Health, Ismail EL-Amouri and Patricia Wynd of Medical Laboratory Science, are researching the use of sunlight in disinfecting drinking water in third world nations. Peter Sigilai, MPH graduate and a native of Kenya, will also assist with this project.

The end goal of this study is the production of a backpack using UV-A and UV-B from the sun, along with paper filters, which will turn contaminated water into drinking water after direct exposure to the sun. It is hoped the device can be sold and marketed for less than $5.00 US per unit. A device in this price range, that is designed to be intuitive to use and can be serviced with readily available material, has the potential of saving millions of lives annually.

**DR. DARRYL BARNETT, ENVIRONMENTAL HEALTH FULBRIGHT SCHOLAR, RETURNS FROM EXTENDED TEACHING ASSIGNMENT IN UKRAINE TO SERVE ON TWO POWERFUL U.S. COMMITTEES**

After Dr. Barnett served a year sabbatical in the Ukraine he returned to EKU to teach Environmental Health and was immediately asked to serve on two national committees, both having major impact on public health. He has been appointed to serve on the Grants Award Committee of the United States Agency for Toxic Substances and Disease Registry. ATSDR serves the public by using the best science, taking responsive public health actions, and providing trusted health information to prevent harmful exposures and diseases related to toxic substances. He has also been appointed to the Fulbright Scholar Selection Committee. The Fulbright Program, the U.S. government’s flagship program in international educational exchange, was proposed to the U.S. Congress in 1945 by then freshman Senator Fulbright of Arkansas. In the aftermath of World War II, Senator Fulbright viewed the proposed program as a much-needed vehicle for promoting "mutual understanding between the people of the United States and the people of other countries of the world." His vision was approved by Congress and the program signed into law by President Truman in 1946.
PROFESSOR WORLEY JOHNSON DEVELOPS NEW LICENSURE EXAM FOR KENTUCKY SANITARIANS

Registered environmentalists or sanitarians (RS) are trained in environmental health or public health protection and safety. Kentucky public health professionals must have required education and successfully complete an exam based on public/environmental health.

The Board of Examiner’s Mission: To ensure environmental health competency for Registered Sanitarians in the Commonwealth of Kentucky by administering a professional examination and requiring continuing education and training.

Only those registered as environmental health specialists or sanitarians shall be employed by the Cabinet or local health agencies to perform environmental health specialist activities. The Cabinet shall, by administrative regulation, provide for probationary employment not to exceed 12 months for persons to qualify through examination when all other qualifications have been met. To conduct environmental health activities for the Cabinet, persons must be registered within 12 months of employment.

MPH CANDIDATES STEVE CHAPMAN, VICTORIA AMBURGEY, NICOLE KENNEDY COAUTHOR ARTICLES WITH PROFESSOR BECK

Professor Beck, writing for Occupational Health Magazine, with an estimated readership that exceeds one million, has co-authored articles with three MPH students. “Pharmaceuticals in Drinking Water” and a second article, “Middle East Respiratory Syndrome (MERS)” by Victoria Amburgey; “Strategic Planning, An Opportunity Not to Miss”, by Nicole Kennedy; and “Are MERSAs in Your PPE?”, by Steve Chapman.

PROFESSORS BECK AND JOHNSON HAVE BEEN AWARDED THE DAVIS CALVIN WAGNER SANITARTIAN AWARD

The Davis Calvin Wagner Award represents the highest honor the American Academy of Sanitarians bestows upon a Diplomate. The Award is conferred for exceptional leadership ability, professional commitment, outstanding resourcefulness, dedication and accomplishments in advancing the Sanitarian profession and public health programs. The recipient is presented with a plaque and an honorarium.
**DR. GARY BROWN AND DR. CAROLYN HARVEY PARTNER WITH INTERNATIONAL UNIVERSITIES**

Dr. Gary Brown (left) teaches Occupational Health & Safety at the University of the West Indies in Jamaica and continues to work towards an EKU-UWI partnership. Drs. Carolyn Harvey & Brown (right) recently returned from Dubai, where they are helping Jumeira University build an Environmental Health Science program.

**PROFESSORS BECK & PRESSLEY AUTHORED MOST CITED ARTICLE WORLDWIDE ON PLANNING FOR SIX YEARS STRAIGHT**

According to BioMedLib’s journal: “Who is Publishing in My Domain?” the Beck & Pressley article is listed as number 1.

1. Failing to plan or planning to fail? Planning has a lot in common with eating broccoli: as we get older, we may find we like it!


**DR. SHEILA PRESSLEY, RE-ELECTED FACULTY SENATE CHAIR**

After serving one year as Chair of Faculty Senate, a stint that also included serving on the Presidential Selection Committee, Dr. Pressley humbly agreed to continue serving another year as Chair of the official governance body for EKU faculty. She was unanimously re-elected.

**DR. HARVEY APPOINTED TO PRESTIGIOUS BOARDS**

Dr. Carolyn Harvey was appointed to the Board of the Agency for Toxic Substances and Disease Registry and to the Council on Linkages Between Academia and Public Health Practices.

**PROFESSOR BECK EXTENDED INVITATIONS TO KEYNOTE MEDICAL CONFERENCES IN CHINA, INDIA, IRELAND AND CANADA**

The invitations were based around Professor Beck’s reputation as a highly talented strategic planner. He has done strategic plans worldwide for both countries and some of the largest organizations in existence, including the Australian Nuclear Plan, the U.S. Public Health Service Plan, the Kentucky Department of Public Health Plan, and the Kentucky Department for Local Government. In total, he has done over 1,400 plans worldwide.

**DR. JASON W. MARION AND STUDENTS SAMPLING HOUSEHOLD WELL WATER TO ASSESS ENVIRONMENTAL HEALTH RISKS IN SOUTHEAST KENTUCKY**

“Knowing we are helping people increase their knowledge about something that impacts them daily is the most amazing and rewarding feeling I’ve ever had,” said senior Environmental Health Science major Josh Ruehl, from Richmond, who has joined Dr. Jason Marion, an assistant professor of Environmental Health Science in testing heavy metal concentrations in Kentucky wells. Over this summer, Ruehl and five other students are working with Dr. Marion to quantify the levels of selected metals in 200 household well water and spring water samples in far Southeast Kentucky, focusing on arsenic, lead, manganese and several other contaminants. The team already has spent many hours collecting samples from households and in front of approved store locations in Manchester, Hazard, Whitesburg, and Harlan. This project is being funded by the Center for Appalachian Regional Engagement and Stewardship (CARES) at EKU and their sample results can be viewed at www.ekuwatert.com.
PROFESSORS BECK, HARVEY, AND JOHNSON SERVE AS REFEREES AND EDITORS FOR PROFESSIONAL JOURNALS

The journals include The Journal of Environmental Health, Occupational Health and Safety Magazine, Environmental Health Insights, and the Kentucky Environmental Health Newsletter.

DR. GARY BROWN COMPLETES TERM AS PRESIDENT OF NAT’L ASSOCIATION

Dr. Gary Brown just completed his second-term as President of the National Association of Academic Programs of Environmental Health.

DR. PRESSLEY SERVES AS GUBERNATORIAL APPOINTEE ON ADVISORY COMMISSION

Beyond serving as EKU’s first African-American Faculty Senate Chair, Dr. Pressley serves in a number of other campus roles, including Strategic Planning and New Faculty Orientation Committees. Extending beyond campus, Dr. Pressley continues to serve on the Chemical Demilitarization Citizens’ Advisory Commission. She was first appointed by the Governor of Kentucky in 2008. Dr. Pressley earned her bachelor’s degree from Western Carolina University, her master’s degree from Tufts University, and her doctoral degree from the University of Kentucky.

PROFESSOR BECK CONTACTED BY HONG KONG MINISTRY OF HEALTH

Professor Joe Beck was contacted by the Hong Kong Ministry of Health to provide consultation services on SARS and to serve on a research awards committee.

EKU ENVIRONMENTAL HEALTH FILM ON LIBRARY OF CONGRESS WEBSITE

An EKU-developed film promoting diversity in the environmental health science workforce is now on the Library of Congress website.

PROJECTED EMPLOYMENT FUTURE FOR OUR GRADUATES IS EXCEPTIONAL

Environmental Health Careers: Salary Expectations

In May 2009, environmental scientists held roughly 83,530 positions throughout the United States. The average annual income was $67,360, and the middle 50% earned between $46,000 and $81,500. The lowest 10% earned less than $37,120, and the highest 10% earned more than $107,190. Pay will depend on willingness to travel and dedication to position.

Environmental Health Careers: Job Outlook

According to the Bureau of Health Manpower, employment for environmental scientists is expected to grow 28 percent over the 2008-2018 decade, which is much faster than average for all occupations. This growth is due to new demands on the safety of the environment and its rising population. Additionally, new demands for laws and regulations affecting the environment are expected to spur new positions within the field. Job prospects for those in environmental science are expected to be best in Federal, State and local governments, as they employ roughly 44 percent of all environmental scientists and specialists.

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MOUNTAINS OF CAREER OPPORTUNITIES IN ENVIRONMENTAL HEALTH PROJECTED

Employment opportunities are expected to grow between 10% to 25% by 2015. With increasing environmental protection legislation, coupled with a number of professionals retiring, career prospects look very favorable.

EKU Master of Public Health Student, Peter Sigilia, looks off Pine Mountain
SEVERAL KEY WORD ELEMENTS FOR JOB SEARCHING IN THE FIELD OF ENVIRONMENTAL HEALTH SCIENCE

- Environmental Health Officer
- Emergency Management Specialist
- Emergency Response Specialist
- Environmental Health Educator
- Environmental Health and Safety Officer
- Disease Control Officer
- Environmental Health Science Officer
- Environmental Health Scientist
- Environmental Health Consultant
- Environmental Toxicologist
- Epidemiologist
- Food Safety Officer
- Industrial Hygienist
- Institutional Environmental Health
- Injury Control Officer
- HAACP Consultant
- Hazardous Waste Specialist
- Health Physicist
- Housing Code Enforcement Officer
- Onsite Waste Control
- Pollution Control Officer
- Air Pollution Control
- Occupational Health and Safety Trainer
- Public Water Supply Control Officer
- Solid Waste Specialist
- Supply Control Officer
- Swimming Pool and Spa Consultant
- Risk Communication Specialist
- Vector Control Specialist
- Consumer Product Safety Officer
- Public Health Officer
- Environmental Health Manager
- Pest Control Consultant
- Air Pollution Control Officer

PROFESSOR BECK DEVELOPS EXTERNAL MENTORING PROGRAM FOR ENVIRONMENTAL HEALTH MAJORS

EKU Environmental Health faculty have created and implemented a voluntary mentoring program that connects students to highly successful graduates and other senior professionals for career mentoring in the applied side of the profession.

EMPLOYMENT FORECAST: “Environmental Health Scientists and E. H. Specialists”

- 2010 Median Pay: $81,500 w/ 10+ Years of Experience
- Entry-Level Education: Bachelor’s Degree in Environmental Health
- Prior Work Experience: None
- On-the-Job Training: State Licensure or NEHA Registration
- Possibly Certified Industrial Hygienist Certification
- Number of Jobs, 2010: 83,400
- Job Outlook, 2010-20: 28% increase
- New Jobs, 2010-20: 25,000 +

EMPLOYMENT FORECAST: “Environmental Scientists and Specialists”

- 2010 Median Pay: $61,700 or $29.66/hr
- Entry-Level Education: Bachelor’s Degree
- Prior Work Experience: None
- Number of Jobs, 2010: 83,400
- Job Outlook, 2010-20: 19% increase
- New Jobs, 2010-20: 16,700

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Visit us on the web at http://eh.eku.edu