



HUMAN FACTORS and ERGONOMICS SOCIETY

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Newsletter of the Tri-State Chapter of the Human Factors & Ergonomics Society

Volume 1 Issue 2

March 2005

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Quick Contact Information:

RSVP's for Meetings: to Leslie MacDonald: 513-841-4529
or lmacdonald@cdc.gov

Mail-In Dues Payments: to Ken Crombie at NIOSH, 4676
Columbia Parkway, MS R16, Cincinnati, OH 45226-1998.

Newsletter Submissions: to Bob Roth: 513-354-8810 or
broth@fisherdesign.com

Important Upcoming Dates:

Mon. Mar. 14 th	Noon	Deadline to RSVP for Tues Mar. 15 th Joint Meeting with AIHI
Tues. Mar. 15 th	5:00pm	Joint Meeting with AIHA – Quality Inn - Norwood
Tues. Apr. 6 th	6:00pm	Speaker Meeting-Profile of Tri-State HFES Academic Programs
Tues. April 6 th		Nominations open for Chapter elections
Tues. April 15 th	Midnight	Taxes!!!
Tues. May 3 rd	6:00pm	Current & Student Research Forum – St. Elizabeth Hospital

Mar. 15th Meeting – Joint Session / AIHA – Translational Research in Occupational Health 5-8:30 pm – Quality Inn – Norwood. Moderator: Ken Crombie, Research Ergonomist, NIOSH
This meeting promises to be interesting and well attended! Three speakers will discuss their experiences and ideas on translating research into workplace practice. The individual topics will be as follows: (Complete details will also be found on page 5)

“Research to Practice - r2p: A New Focus on Research at NIOSH”
R. DeLon Hull, PhD, NIOSH Associate Director for Research and Technology Transfer

“Research Potential in Ergonomics”
Marisol Barrero and Steve Wurzelbacker, Mitsui Sumitomo Insurance Group

“Interim findings and recommendations of the NIOSH study on potential X-ray exposures from baggage screening machines” - John Cardarelli, Health Physicist, NIOSH

Please RSVP by noon on the 14th to Lynne Walton at 513-634-9734 or Walton.la&pg.com

April 6th Meeting – Profile of Tri-State Academic Programs – 6pm –Welcome Center-NKU
Brief Description: Representatives from six diverse HFES academic programs in the Tri-State will provide details about the types of degree and certificate programs offered, curricula, and a profile of student / faculty research. The meeting will provide a unique opportunity for members to learn about local continuing education opportunities, to identify sources of prospective graduates with selected skills sets, and to hear about the breadth of HFES topics being taught and which are the focus of research in the greater Cincinnati area. Complete meeting details can be found on page 6.

Tuesday May 3rd (evening) at Saint Elizabeth's South Hospital in northern KY. Topic: Profile of Tri-State Human Factors and Ergonomics Research and Practice. Students, faculty, researchers and practitioners are encouraged to present a poster or short (10-minute) formal or informal presentation of their work (in addition to completed work, we encourage presentations of work-in-progress and proposed work). We are all doing work of interest to others in the Chapter and we hope that all members will consider contributing. This is expected to be a fun evening - and prizes will be awarded for the top student posters. So please mark your calendar and stay tuned for more details...

Jim Beam Plant Tour

On November 10th, 2004 sixteen HFES and AIHA members were treated to a great tour of the Jim Beam cordial and distilled spirit processing and bottling facility on Paddock Road. The tour started with lunch and a brief history of the facility. Distilled spirits were first produced in Cincinnati in 1893 and today the Cincinnati facility is the highest volume cordial plant in North America. The plant produces over 135 products under brand names including DeKuyper, After Shock, Trave Amaretto, and Tempo Triple Sec and ships to over 160 countries. The 176-employee plant produces 3.2 million cases or 9.3 million gallons of alcohol yearly.

As might be expected from these kinds of numbers, Jim Beam has made a significant investment in automation, ergonomics, and quality control. Plant enhancements include automatic bottlers, cappers, labelers, packers, and several automatic pallet stacking stations.

Some other interesting facts from our tour guides:

- Taxes are based on the proof of the alcohol, but approximately 65% of the cost of each bottle is for taxes. Jim Beam pays approximately \$40 million in taxes per year!
- The particle filtering process used for the alcohol removes any natural color and "cloud" making all alcohol clear until right before bottling when artificial color and cloud is added.
- Average employee tenure is 26 years
- Alcohol was still produced at the current facility during Prohibition under the name *The American Medicinal Spirits Company*
- The Cincinnati facility has been designated as a kosher cordial production plant
- Only glass bottles are used because plastic can change the taste of the alcohol
- The smell you notice along I-75 isn't Jim Beam; it's from the flavoring company next door

Tour guides took groups of three to four people each through the plant from receiving, processing, bottling, to shipping. The high-speed bottling lines and large processing tanks were impressive. The testing lab and taste test areas were also visited. Each batch undergoes a significant number of tests before being bottled including pH, proof, color, and clarity. Comparisons are even made with samples kept from previous batches of the same product. A question and answer session was followed by probably everyone's favorite part of the tour-a taste testing session including the then yet-to-be-released Starbucks coffee liquor.



JTM Plant Tour – Jan. 26th

Continuing this year's interesting agenda of plant tours, 8 HFES members toured the JTM Foods plant in Harrison, Ohio. JTM Foods has grown enormously in the past two decades, driven by the work ethic and business acumen of the founding Maas family. Our tour guide, Joe Mass, V.P. of production and plant expansion, has directed a continuous facility expansion based on efficiency, quality, and leading edge technology. Tour members observed the win-win payoff of JTM's efforts to replace heavy manual tasks with automated batch processing methods and equipment wherever feasible.

The tour started in JTM's Café – A full scale restaurant setting used as a sales and marketing venue, and ended with a lunch of JTM products in the company cafeteria. From an ergonomic and work organization standpoint, major points of interest included:

- Large batch kettle cooking operations loaded with ground meat, sauces, and spices by machine lift & dump carts
- An automated bakery fed by machine lifted carts, included automated proofing and baking ovens, and wrapping line.
- Automated form, fill, and seal packaging of bulk blended and cooked meat products destined for consumer, restaurant, and institutional sales.
- A robotic, 7-story cold-storage and distribution facility that automatically stores and retrieves pallet loads of products as required.

JTM's rationale for the Cold Storage facility reflects their approach to resolving both ergonomic and efficiency issues: "Because of the freezing temperatures that create a harsh environment for employees to work in, the new freezer (approximately -10°F at all times), will be completely automated and run by the robot system. There will be no need for employees in the freezer."



Call for Nominations – TriState HFES Chapter Board

It will soon be time once more for election of officers for the chapter. Nominations will be opened in April; this notice is a heads-up to be thinking about them.

PLEASE FEEL FREE TO NOMINATE YOURSELF -- volunteers are the life blood of the chapter. You may nominate for a specific position, or nominate in general. These jobs take just a few hours of your time. Being an officer is very rewarding -- those of you who have attended meetings understand the enthusiasm and camaraderie that a good meeting inspires.

Here are the positions to be filled:

President-Elect (to become president the following year)	Treasurer
Secretary	Newsletter Editor
Student Liaisons from UC, Miami, & NKU (3 positions)	Webmaster (new)

Job Responsibilities of Chapter Board Members

President (must be a member in good standing of HFES)

- Conducts each Chapter meeting.
- Delegates jobs to volunteers and other officers as needed.
- Maintains chapter correspondences with other organizations (e.g., AIHA, Scientists and Engineers of Cincinnati).
- Prepares the chapter's annual report to The HFES
- Conducts annual elections (solicits nominations, distributes & counts ballots, reports results).
- Address at the chapter meeting at which the new officers assume their responsibilities.
- Prepare periodic letters to the chapter for inclusion in the newsletter.
- Arranges for speaker introductions.

President-elect (programming chair/coordinator)

- Oversee the process of arranging for speakers, facility tours, chapter activities, and dinner arrangements. Will also involve asking others to contact potential speakers and visitors.
- Informs chapter secretary and newsletter chair of details for upcoming programs with sufficient lead time to permit adequate publicity and planning time for members.
- Works with other chapter members to assist in chapter programming.
- Identify and book meeting locations, arrange for dinners, including menus and prices. (Again, this can be delegated, but the President-elect must oversee this process.
- Help determine the amount charged for dinners.

Treasurer

- Maintains the chapter checkbook
- Writes checks to cover chapter expenses, including dinner charges.
- Receives and deposits membership dues in the checking account
- Report on the chapter finances to the Board (key items are dues, expenses, dinner costs.
- Propose annual dues level to the Chapter for approval
- Report a list of paid up members to the chapter secretary.

Secretary

- Maintains membership list, including all contact information (surface and e-mail addresses)
- Publicizes events (e-mail)
- Coordinates publicity with Newsletter Editor
- Maintains a record of decisions and actions taken at meetings of the Chapter and Board

Student Representatives from UC, Miami, & NKU

- Coordinate meeting dates with Board and faculty to fit school schedules
- Help arrange student poster and speaker sessions
- Help arrange student group transportation to tours and meeting

Newsletter Editor (not a board position)

- Collects articles and announcements for inclusion in a newsletter that is distributed by e-mail.
- Edits articles and announcements

Webmaster (not a board position)

- We're looking for someone to startup and maintain a Chapter Website, that would be a repository for important dates, items of interest, Academic & professional contacts, etc.

2005
Meeting
Notice

Ohio Valley Section



And

Human Factors Ergonomics Society



**HUMAN FACTORS *and*
ERGONOMICS SOCIETY**

Tuesday, Mar. 15, 2005

Quality Hotel & Suites Cincinnati
4747 Montgomery Road
513-351-6000
Kentucky Room

5:00 PM – 7:00 PM Cash Bar
6:30 PM – 7:30 PM Dinner
7:30 PM – 8:30 PM Panel Discussion

Dinner choices: Sirloin of Beef with Burgundy Mushroom Sauce or
Grilled Turkey Cutlet with Cranberry Glaze or
Vegetable Lasagna

RSVP to Lynne A. Walton, via phone or email by Mar. 14, 2005 at Noon with choice of meal
513-634-9734 or Walton.la@pg.com

\$20 dinner fee payable to OVS-AIHA at the door or Student discounts per each Organization policy

Discussion Topic: Translational Research in Occupational Health
Moderator: Ken Crombie, Research Ergonomist, NIOSH

“Research to Practice - r2p: A New Focus on Research at NIOSH”
R. DeLon Hull, PhD, NIOSH Associate Director for Research and
Technology Transfer

“Research Potential in Ergonomics”
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“Interim findings and recommendations of the NIOSH study on potential X-ray exposures from baggage screening machines”
John Cardarelli, Health Physicist, NIOSH



Tri-State Chapter Speaker Meeting

Profile of Tri-State HFES Academic Programs

Date: Wednesday, April 6, 2005

Location: Welcome Center at the Northern Kentucky University, Highland Heights Campus, Classroom #102. The building entrance is across from Visitor Parking (see attached map). To generate custom directions, enter the following information into MapQuest.com: Nunn Dr & University Blvd Highland Heights, KY 41076.

Time: 6:00 pm -- Arrival/Social; 6:30 pm – Dinner; 6:45 pm – Speakers

Dinner: Ham or turkey sandwich, chips, cookie, fruit, and beverage.

RSVP to Leslie MacDonald with choice of ham or turkey sandwich by March 30th via phone or email @ 513-841-4529 or lmacdonald@cdc.gov.

Cost: \$5 Students, \$10 for Chapter members, \$12 for employed non-members

Individuals who are not currently members of the Tri-State Chapter are welcome to attend this meeting. Membership information will be available for those wishing to join.

Speakers:

- **Bill Attenweiler, Ph.D.**, Assistant Professor and Program Director, Masters in Industrial and Organizational Psychology, Psychology Department, NKU
- **Mark Nagy, Ph.D.**, Director, Masters in Industrial and Organizational Psychology, Psychology Department, Xavier University
- **Jay Smart, Ph.D.**, Assistant Professor, Psychology Department, Miami University
- **Joel Warm, Ph.D.**, Professor, Psychology Department, University of Cincinnati
- **Kermit Davis, Ph.D.**, Assistant Professor, Environmental Health Department, UC
- **Ash Genaidy, Ph.D.**, Associate Professor, Industrial and Manufacturing Engineering Program, University of Cincinnati

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