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Faculty and Staff

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EMU, Lawyer helping local police take a byte out of cyber crime

By Mike Scanlon and
Ward Mullens

Even the Super Information Highway has a few back alleys where the criminal element lurks.

"It's really like the Wild West out there," said Dawn Clenney, special agent at the Detroit office of the Federal



Lawver

Bureau of Investigation. "I can tell you that cyber crime is a new area, but it's a situation where a computer can be used

to reach so many people so quickly for everything from fraud to child pornography. And these people don't even have to leave home to do it."

Skip Lawver, professor of interdisciplinary technology, and Eastern Michigan University are helping law enforcement officers take a byte out of cyber crime.

Lawver recently teamed up with the U.S. Secret Service as EMU hosted seminars on cyber crime that drew about 100 police officers representing more than 85 local state and federal law enforcement agencies.

"We saw a desperate need nationwide and developed the program based on that need," said Lawver. The seminars deal with bootleg software, cloned chips, electronic fraud, hacking, money laundering and much more.

"They learn how to investigate these crimes and how to utilize software tools," Lawver said. "They also learn how to trace information and retrieve information from on-line accounts such as America On-Line (AOL)."

Lawver said the nature of computers makes cyber crime harder to police than face-to-face crime.

"You're dealing in anonymity with an IP (Internet Protocol) address. You don't get to see a face or have fingerprints and the information can be erased," said Lawver. "I can transfer millions in the blink of an eye.

"We are showing them (law enforcement) how to trace it back so they can create a paper trail they can use in court," he said.

As for the computer software needed to train officers, Lawver bought the high-tech nuts and bolts with state grant money and the special software came courtesy of Microsoft.

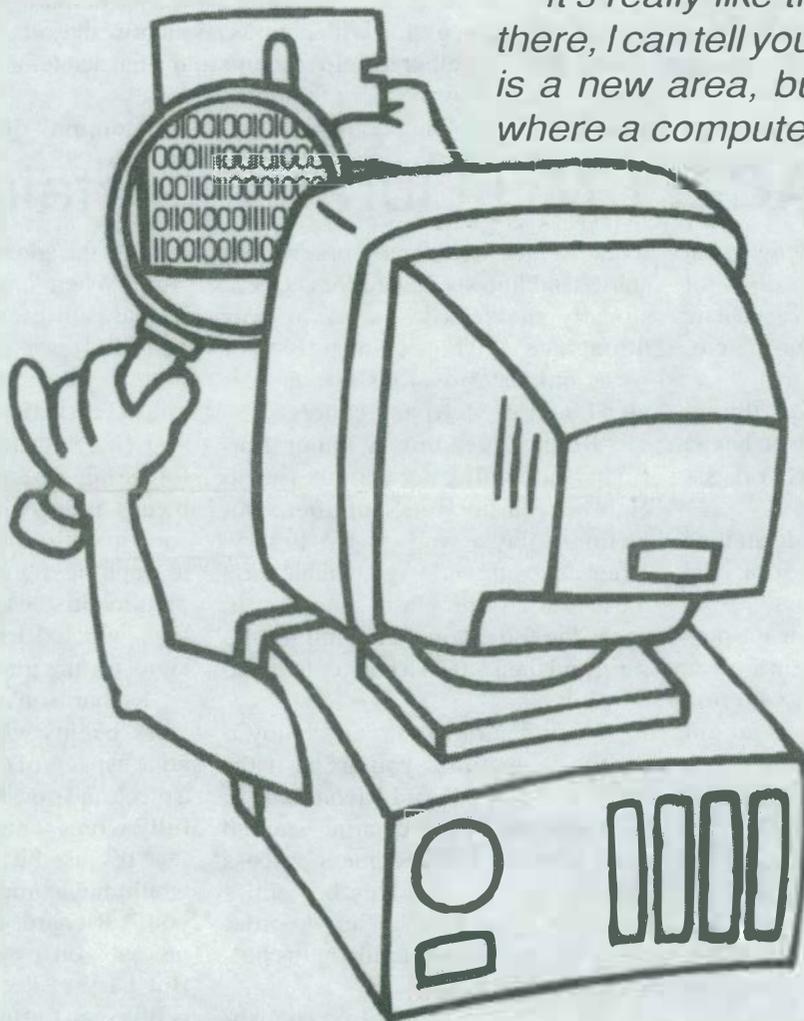
1.7 cyber crimes per day in 1993, Lawver said. That number is estimated to grow to more than 2,000 by 2000.

While cyber porn draws media attention, other cyber crime draws dollars. The average computer crime involves some form of theft and nets \$90,000, according to Lawver.

Meanwhile police agencies

reported but doesn't go anywhere. They are busy going after the child pornography distributors," he said.

Lawver said while most people don't think that cyber crime affects them and are more concerned with physical crime, he added that if police can make a dent in credit card fraud on-line then interest rates might drop dra-



"It's really like the Wild West out there, I can tell you that cyber crime is a new area, but it's a situation where a computer can be used to reach so many people so quickly for everything from fraud to child pornography. And these people don't even have to leave home to do it."

Dawn Clenney,
special agent,
Federal Bureau
of Investigation

It all came together and paid off before the seminar had ended. During a seminar entitled "Hunting the child predator: a course on Internet child pornography," officers from Albion and Novi, posing as teenagers, made three arrests of men who allegedly

wanted liaisons with underage children. The officers entered chat rooms and began conversations with the men that led to the arrests.

The arrests are just the tip of a growing problem.

Lawver said the rate of cyber crime is increasing at astronomical rates, according to some studies. There were

have no dedicated resources to fight cyber crime and most can't afford the \$5,000 computer system.

And there is no relief as far as the federal law enforcement agencies are concerned.

"It's local law enforcement that takes the initial complaint but they don't have the resources so they have to refer it to the state or federal agencies," said Lawver.

Even federal law enforcement doesn't have the manpower to chase down the smaller cyber crimes, he said.

"They fall through the cracks. If your child is accosted on the Internet, it gets

atically.

The seminars are just the beginning for Lawver.

"Our main goal is to have ten-month school on cyber crime," said Lawver, who hopes to establish a Cyber Crime College at EMU with some \$400,000 in grant money from the National Institute of Justice and the Michigan Justice Training Consortium.

"We're 15 years behind the curve when it comes to investigating cybercrime at the state and local level," Lawver said. "We didn't have car thefts until people had cars."

Harris' new post aims to improve academic experience

By Ward Mullens

As a professor of political science Michael Harris is responsible for ensuring that his students get the best education he can provide.



Harris

With his new title as Undergraduate Studies Coordinator, Harris is trying to ensure that more than 19,000 undergraduate students get the best education Eastern Michigan can provide.

"We want to make sure that every student is exposed to the best academic experience we can offer," said Harris, who has been at EMU for six years.

Harris' new post was created as part of Provost Ron Collins' 150-2000 Initiative. The Initiative was created to provide a progressive array of traditional and new programs to serve the learning needs of the student body in the 21st century. The name of the initiative is the refer-

SPECIAL MEETING

WHO: All faculty and lecturers who teach introductory classes
WHEN: Wednesday, Sept. 22
WHERE: Sponberg Theatre
TIME: 3-4:30 p.m.
PHONE: 487-3200

ence to EMU's Sesquicentennial celebration and the end of the century.

"My position has two elements," Harris said. "First, to serve as the academic resource person for undergraduate education. Second, to coordinate activities with academic affairs and other divisions to improve student learning."

Some of the changes that Harris already has helped implement include more faculty involvement in orientation. Faculty participate in panel discussion with parents about how they could work together to help students and what academic expectations are for freshmen.

An upcoming activity is a "summit" of all fac-

ulty and lecturers who teach introductory courses. The special meeting is Wednesday, Sept. 22, 3-4:30 p.m., Sponberg Theatre.

"We are going to talk about academic issues as they relate to the freshman class and focus on what we, as faculty, can do to make sure they are going to do well," Harris said. "The most crucial time of a student's career is the first year."

We want to make sure that the faculty are aware of all of the support available to students if they need it."

Some of the areas that Harris is studying include academic advising, AADV courses and retention.

"What I'm trying to do is study these areas and make recommendations to the Provost that will bring about positive change," said Harris.

Harris has no budget, no staff and no one reports to him, but he said he is not a one man show.

"What I am trying to do is get as many people as possible involved in this. This is a task for the entire University," he said. "We do have some challenges, but I'm really excited about them because it gives us the opportunity to try and make a difference."

GLASS ACT: EMU Librarian's stained glass talent shines

Have you ever wondered what an acquisitions librarian does for entertainment? For EMU associate librarian Carol Richardson it's creating stained glass.

A member of the EMU library staff since 1988, Richardson began creating stained glass artwork six years ago.

"I always wanted to do stained glass work, so I just took the plunge," said Richardson.

Taking the plunge meant purchasing a load of equipment such as a sand blaster, grinder, sottering iron, and taking classes about stained glass and etching techniques. She also converted her garage into a workshop.

According to Richardson, working with glass is a detailed and often unpredictable process. "Glass has a mind of its own, but most of the time you can make it do what you want it to," said Richardson.

Richardson began selling her

work to her EMU co-workers and started taking special orders. Occasionally she sells her work at fairs throughout Michigan and the Midwest, and occasionally she even sets up a booth in McKenny Union.

Before attending a major fair, Richardson will labor another five to eight hours in her workshop after completing a day's work in the library. After choosing a design, Richardson must first cut the glass, sandblast it, apply the foil edging, etch it if necessary, and then attach a hanger to it and polish it.

"You just have to really enjoy it because sometimes you are at it for hours and hours," said Richardson.

Over the years, creating stained glass artwork has become a process that Richardson involves her entire family in. "For a major fair we order pizza and the whole family helps polish pieces," she said.

According to Richardson, polishing a piece can often take longer than

cutting the glass or creating the design. When creating a new design Richardson tries to keep the pocket book and tastes of her buyers in mind.

A regular at the Alpena Lighthouse Festival, Richardson's children assist her with designing special items for the fair. To ensure that Richardson's pieces are accurate and original, her son travels throughout Michigan photographing lighthouses. From these pictures his sister creates line drawings which Richardson uses as designs for the glass.

Richardson's love for stained glass work begins with the hands on creative aspects of designing and making a piece and doesn't end until she carefully wraps it and puts it in a box.

"It's just the thought that someone would buy something that is a part of you," Richardson said. "There is a piece of you in every one of the pieces. But I try to keep my prices low. If people can't afford it, why make it?"

- Contributed by Sarah Meiras



POLISHING UP: Carol Richardson sells her glass artwork in McKenny Union on occasion.



For a more extensive listing of University events, go to the Office of Public Information home page at www.emich.edu/public/public_information/

ICARD seeks faculty assistance with projects

The Institute for Community and Regional Development (ICARD) is looking for faculty and graduate students to participate in a number of workforce development projects. Workforce development is the attempt to match the skills of students and job seekers with the needs of employers.

Current projects include: a contract with a local workforce development agency to aid them in program evaluation; an EMU Research Excellence Fund grant to stimulate development initiatives on campus; and a skills assessment grant proposal to the U.S. Department of Labor.

Anyone interested in this policy area should contact Charles Monsma, ICARD director, at 487.0243.

You don't have to go to France!

EMU's Department of Foreign Language and Bilingual Studies is co-sponsoring Ann Arbor's National French Week, Nov. 3-9. There will be sneak preview of events Sept. 26, 1-3 p.m., Greenhills School, 850 Greenhills Drive, Ann Arbor. This event is free and open to the public.

For more information, contact Sandy Dugan at 487.4081.

Faculty to perform recital Sept. 26

Professors Kimberly Cole and Lois Kaarre will perform contemporary compositions for clarinet and piano, including Anthony Iannaccone's Concertante and the American premiere of Brandon Blake's Fantasiestucke.

The recital is Sunday, Sept. 26, 4 p.m., Pease Auditorium. This event is free and open to the public.

Call 487.1221.

Reception honors women scholarship winners

By Kate Linblade

The Eastern Michigan University Women's Association and Women's Commission will sponsor a reception for their 1999-2000 scholarship recipients.

The reception is Thursday, Sept. 23, 3-5 p.m. at President William E. Shelton's home, 600 W. Forest Ave.

Three separate scholarships will be awarded to 23 women based on merit and/or financial need.

"A lot of our recipients are returning students who run one-parent households, so it obviously helps them financially. They've always been very grateful," said Joanne Hansen, chair of the Women's Commission.

Recipients of the Women's Association Financial Assistance Award, and their majors, are:

Anna Loveland, computer information systems; Lynn Myers, special education, mentally impaired; Carly Schwartz Riddle, special education, mentally impaired.

Recipients of the Women's Association Merit Award, and their majors, are:

Saraphoena Austin, English literature; Kelly Carson, nursing; Yu Chen, accounting information systems; Calesta Hunt, psychology; Christine Pitrykowski, physics; Jennifer Smith, Spanish; Erica Snider, biochemistry/clinical lab science; Lynne Tenske, psychology.

The Marion Franklin Stowe Women's Commission Scholarship, a need-based scholarship for students of nontraditional fields of study or interrupted periods of study, will be given to 12 women.

They are:

Sandra Becker, technical written communication/math; Renae Beebe, chemistry; Angelina Crail, theatre; Ammie Doering, elementary education; Cynthia Helberg, biology; Michelle Kennedy, physical education; Lisa Knight, fine arts; Audrey Little Bowen, psychology; Kathryn Millar, English language/communication and theatre arts; Rita Pate, elementary education; Debra Potter, social work; Corinne Sikorski, geography/biology.

Semester-long FCIE seminar examines teaching, learning

The Faculty Center for Instructional Excellence is offering a semester-long discussion seminar entitled "The Scholarship of Teaching and Learning," facilitated by Bob Kraft, professor of English.

The seminar begins Friday, Sept. 24, 1-2:30 p.m. at the John W. Porter Building, room 321. Registration is not required.

"The semester-long seminar offers faculty the opportunity to explore ideas about teaching without time constraints," said Deb Dezure, director of the FCIE.

The seminar will explore "the best that is thought and known" about teaching and learning in higher education.

"The course does not belabor the "how-to's" of teaching, but rather brings to light the obstacles to learning that exist in the traditional, lecture-based class and the common difficulties found in teaching of diverse disciplines," said Steven Pernecky, chemistry, a participant.

Those who complete the seminar will be awarded a "Certificate in the Scholarship of Teaching."

Academic Advising Center offers faculty ISIS training

The Academic Advising Center will offer several training sessions for faculty and graduate assistants interested in general advising and an introduction to ISIS. Sessions will take place in 202 Bowen and are open to new and current faculty. The sessions are scheduled for: Sept. 22, 8 a.m.-noon; Sept. 23, 1-5 p.m.; Sept. 27, 8 a.m.-noon; or Sept. 28, 1-5 p.m.

For more information, call 487.3129.

Snow Health Center offering free HIV testing

EMU's Snow Health Center is offering free, anonymous HIV antibody testing every Monday, 1-4 p.m., Room 330. No appointment is necessary.

The walk-in clinic is provided by the Health Education Program and the HIV/AIDS Resource Center.

For information about this program or other services at Snow Health Center, call 487.2226.

Huddle up for Athletic Club football luncheons

Athletic Club football luncheons are back. Join coaches, players and the rest of the EMU community for food, fun and prizes. The luncheons are scheduled for: Friday, Sept. 24, Hoyt Conference Center; Friday, Oct. 8, EMU Convocation Center; Friday, Oct. 15, Hoyt; and Friday, Nov. 5, Hoyt.

Luncheons are from noon-1 p.m. and tickets are \$10 each. Tables are available for purchase.

For more information, call athletics at 487.1050.

Correction

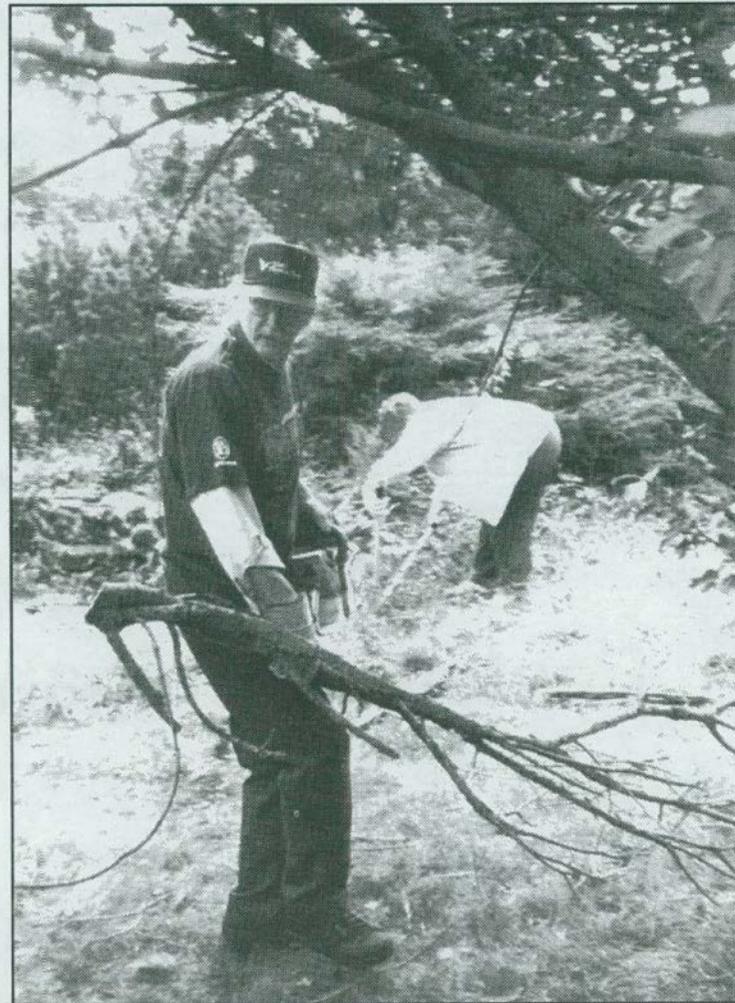
In the Sept. 14 issue it was incorrectly reported that Al Robinson, risk management, was serving his third term on the Washtenaw County Workforce Development Board.

Robinson is serving his third term on the Washtenaw County Board of Commissioners.



Robinson

Caring and clearing



BRANCHING OUT: Marvin Bechtol, physical plant, was just one of the many EMU volunteers who participated in the annual United Way Day of Caring. Bechtol helped clear debris at a residence in Canton. Eastern Michigan will kick off its United Way campaign Sept. 27.

Sesquicentennial TIMELINE

Mark Jefferson expands Normal's boundaries

Mark Jefferson came to Michigan State Normal School in 1901 as the head of the geography. He increased the department from 12 to 25 courses and helped make one of the largest in the United States at that time. One of the highlights of his career was that he was the chief cartographer for the American Delegation to the Paris Peace Conference at Versailles, following World War I. He personally oversaw the making of more than 1,200 original maps. The maps were considered superior to those prepared for every other delegation. Jefferson continued to teach at Normal until he retired in 1939 at age 76.

JOBSLINE

To be considered for vacant positions, all Promotional Openings Application Forms MUST BE SUBMITTED directly to the Compensation/Employment Services Office and received no later than 4:45 p.m., Monday, Sept. 27. NOTE: LATE OR INCOMPLETE FORMS WILL NOT BE ACCEPTED.

The Compensation/Employment Services Office announces the following vacancies.

Vacancy information may also be obtained by calling our

24-hour Jobs Line at 487-0016. Compensation/Employment Services office hours are Monday - Friday 8 a.m. to 4:45 p.m.

CLERICAL/SECRETARIAL

(Minimum Bi-Weekly Salary)

CSAA2017 CS-03 \$711.77 Secretary, Nursing. Well organized. Proficient in Microsoft Access, Excel and Word desirable. Hours: 10 a.m. to 7 p.m.

CSAA2018 CS-04 \$395.14 Secretary II, Nursing. Well organized. Proficient in Microsoft Access, Excel and Word desirable. 50 percent appointment. Hours: 8 a.m. to noon.

CSAA2019 CS-04 \$395.14 Secretary II, Accounting (COB). Proficiency in Windows 95, Microsoft Word and Excel, Office 97 and ISIS knowledge desirable. 50 percent appointment. Variable hours.

CSAA2003 CS-05 \$893.00 Senior Secretary, Housing. (REPOST)

CSUR2002 CS-05 \$893.00 Senior Secretary, Alumni Relations. Occasional evening/week-end. Proficiency with PageMaker, Microsoft Word and Excel. Special event planning experience desirable.

CSAA2020 CS-05 \$893.00 Senior Secretary, Academic Affairs. Knowledge of Windows

environment, Microsoft Word, Access and Excel. Excellent organizational and proofreading skills desirable.

CSAA2021 CS-05 \$893.00 Library Assistant III, Learning Resources & Technologies. Evenings and weekends may be required.

CSBF2008 CS-05 \$893.00 Account Specialist, Payroll. Payroll and Hrizon experience desirable.

CSBF2009 CS-05 \$893.00 Collection Specialist, Student Accounting.

CSAA2022 CS-06 \$973.88 Administrative Secretary, Continuing Education.

PROFESSIONAL/TECH.

(Minimum Bi-Weekly Salary)

PTSA2014 PT-08 \$1,250.12 Career Development Associate, Career Services Center.

The pay rates stated above reflect the probationary minimum rate for a newly hired EMU employee. The pay rate or salary for current employees will be established according to the respective employee group union contract, and/or University salary administration policy guidelines.

An Affirmative Action/Equal Opportunity Employer

Don't forget!
EMU celebrates Homecoming Oct. 4-10. Family Day is Oct. 9.

Look for more information in an upcoming FOCUS.

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The Learning Edge™

Please send all submissions to Editor, *Focus EMU*, Office of Public Information, 18 Welch Hall. Please direct questions to 487.4400.

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Rashid Umar, student writer
Mike Scanlon, student writer

Why I teach at Eastern Michigan University

As a professor of biology, Eastern Michigan provides me with the environment to fulfill my goals - to be in a position to reach students who one day will be teachers themselves.

This summer, I guided students through research and education during their independent studies. Although these students came from diverse areas of study, each was able to understand how important science is to the future of education. I'm also involved in campus functions and events that pertain to science educational workshops, methodology in teaching--anything regarding improvements or new approaches to teaching.

Eastern Michigan University is in the unique position of training future teachers. I find it a privilege to be involved in its educational training program, because if I can make an impact on students to teach biology and science more effectively, then I'll have made a difference.



Peggy Liggitt, Ph.D.
Assistant Professor
Department of Biology

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