



Banks of the Boneyard

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Editors: Jim Dobyns and Tom Begnel

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Faculty Spotlight

[*"Faculty Spotlight," a regular feature of the ACM Newsletter, attempts to introduce one CS faculty member to our readers. -Ed.*]

Our "Faculty Spotlight" this issue is on Assistant Professor Laxmikant Kale. Professor Kale earned a degree in Electronics Engineering from Banaras Hindu University at Varanasi, India, in 1977 and then his M.E. in Computer Science in 1979 from the Indian Institute of Science, Bangalore, India. In 1985, he received his Ph.D. in Computer Science from the State University of New York (SUNY) at Stony Brook where he also worked as a teaching assistant and later as a research assistant. *Parallel Architectures for Problem Solving in the Framework of Logic Programming* was his dissertation. Professor Kale arrived at our Department of Computer Science in 1985.

Professor Kale's active areas of research include parallel systems and architectures, bus-based interconnection networks, and logic programming. He is currently working on the PALP project (Parallel Architectures for Logic Programming). The objective of this project is to investigate and design scalable parallel architectures and execution schemes for combinatorically explosive symbolic computations expressed as logic programs. Symbolic computations tend to be unpredictably structured, as their structure depends in deep ways on values of data. Professor Kale believes that in the future such computations will predominate and will also be so huge, or so combinatorically explosive, as to require massively parallel processing.

(see Kale on page 2)

"Life in the Semiconductor Industry"

The next ACM general meeting will be Wednesday, March 11th at 3:00 pm in 151 Electrical Engineering Building. Mr. Mo Bandali of Advanced Micro Devices will give a presentation entitled "Life in the Semiconductor Industry." He will speak about available jobs in the semiconductor business, the climate of the industry, and his company. Members of IEEE are more than welcome to attend, especially since AMD is a hardware company.

Nominations for ACM officer positions will also be taken at the March 11th meeting. The election itself will be at the April 1st general meeting which is also at 3:00 pm in 151 Electrical Engineering.

After the March 11th meeting, there will be a party at Giordono's Pizza sponsored by Advanced Micro Devices. It will start at about 6:00 pm. All the pizza and drinks are free. Members of IEEE are also encouraged to drop on by after the meeting.

-Pete Hlavach

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Professor Symposia

The ACM sponsored Professor Symposium series features faculty members from the Computer Science and related departments discussing their research and other topics of interest. The Symposia will be presented at 3:00 pm in 115 DCL every Monday (except the first Monday of each month).

The purpose of the Symposia is to allow students to familiarize themselves with some of our professors and gain insight into what types of research are being conducted here at the University.

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|----------|---|
| Mar 9th | Prof. S. N. Kamin
"Programming Languages" |
| Mar 16th | ...Spring Break... |
| Mar 23rd | Prof. W. J. Kubitz
"Graphics and Automated VLSI Design" |
| Mar 30th | Prof. L.V. Kale
"Parallel Architecture for Symbolic Computation" |

-Kim Griffin

continued from page 1)

Kale

Professor Kale recommends that undergraduate students in Computer Science should seriously consider graduate study for their future. He points out the fact that there are an increasingly large number of students gaining bachelor's degrees while there is a largely unfulfilled demand for people with master's and doctorates. Another basis for his opinion is that many universities loose faculty to industry, so there is always a need for those with higher degrees.

-Tom Begnel

ACM Went to Hollywood

Fall semester heralded a new era in ACM publicity. Gaining our inspiration from video music channels, ACM produced a pair of 30-second commercials that were run locally on Cablevision channels MTV and CNN.

Once again we have dabbled into the realm of Hollywood, this time producing a half-hour video feature entitled "The Guiding Byte." This video, which introduces ACM in a soap-opera storyline, was shown continuously at the ACM Booth during Engineering Open House '87 on March 6th and 7th.

The production of the video was a capital-free venture since the equipment was loaned to us and the editing time was donated free of charge. There was a great turnout of people offering their services as extras following our February 25th general meeting featuring AT&T Bell Labs. The filming went smoothly. Thanks to all who participated and watch out for those Hollywood scouts!

-Tony Alonso and Steve Glenner

Artificial Intelligence SIG

The following meetings and speakers are currently scheduled for SIGART (ACM's Special Interest Group in Artificial Intelligence) during this semester:

- | | |
|----------|--|
| Mar 25th | Tom Fermanian:
"An Expert System Application" |
| Apr 1st | Narendra Ahuja:
"Computer Vision" |
| Apr 15th | Larry Rendell:
"Inductive Learning" |
| Apr 29th | John Chandler:
"Expert Systems in Business" |
| May 6th | Gerald DeJong:
"Explanation-Based Learning" |

All the meetings will be at 4:00 pm in 151 EEB.

In addition to our lecture series, our LISP workshops are under way. The group meets every Tuesday evening at 7:00 pm in 115 DCL. As part of the workshops, we are implementing one or several large LISP programs which illustrates some methods in AI. If you are interested, please contact John Jenner at 344-6883.

As the Spring '87 semester progresses, we have to start thinking about next year. In one word: *Elections!* Specifically, we are accepting nominations for the following elected positions: Chairman, Vice-Chairman, Treasurer and Secretary. We are also interested in getting more people involved in Publicity, Newsletter, and the Lecture series.

I also have several projects in mind with which I would like to see SIGART get involved. However, we need people to start them up. There are many advantages to getting involved with SIGART, such as learning more about AI, getting to know the people on campus who are involved in AI-related research, improving managerial and organizational skills, etc. If you are interested in one of the positions mentioned above, or in finding out more about SIGART, please give me a call (398-4940) or leave a message for me at the ACM Office (333-5828).

-Subutai Ahmad

Microcomputer SIG

SIGMICRO, the Special Interest Group in Microcomputers, is looking forward to the rest of the semester. We will be scheduling workshops, lectures, and hardware demonstrations among other things. Among the projects we are undertaking is the acquisition of a microcomputer for an electronic bulletin board, conducting tutorials, and desktop publishing.

If you are interested in any of the above or other projects, or SIGMICRO in general, I would be glad to talk with you to discuss our activities (352-1081). This is an excellent chance to become involved with some of your fellow students and have some fun.

Probably one of the most important areas of activity is in publicity. If you think you might like to dream up ideas for flyers or if you can use a Macintosh (or want to learn how), working with our publicity chairman (an extremely likable person) would be a great chance to get involved with SIGMICRO. If you are unsure whether you want to commit yourself to head a committee, that's no problem.

Elections will be held the second week of April making now a great time to try your hand without locking yourself in. In the coming weeks, I will try to contact some of you who checked SIGMICRO on your ACM membership application. We all look forward to seeing you.

-Mike Bruno

Unix/C SIG

SIGUUCP (the ACM Special Interest Group for Unix Users and C Programmers) will be holding elections of its officers at the April 8th SIGUUCP general meeting. Nominations will be accepted at the March 11th and April 8th meetings. The elected positions are President, Vice President, Secretary, and Treasurer. There will also be openings in some of the committees. These will be announced.

The March 11th general meeting will also host a speaker from Gould Computer Systems Division. Gary Whisenhunt will be discussing "Real Time Unix" and its benefits as a development environment. All are invited.

We have also scheduled a workshop for late March. "Advanced VI Editor" will be the topic discussed at the March 25th workshop.

All meetings and workshops will be at 7:00 pm in 115 DCL unless otherwise announced. For more information about SIGUUCP, come to a meeting or workshop, or call the ACM Office (333-5828).

-Dan Weber

ACM Elections and Committee Appointments

There are several positions that will be available throughout the organization in a short while. As you may know from reading the newsletter last time, the elected positions of Chairman, Vice Chairman, Treasurer, and Secretary will be contested on April 1st during our general meeting. The election will be held in the same room at the same time as our regular general meetings, which is room 151 EEB at 3:00 pm.

The executive committee has many positions which are of an appointive rather than an elective nature. Many of these positions are filled with people who are planning to graduate in May. Of course, the experience these individuals gained in their positions did not hurt them when it came time to go to those old job interviews.

The following is a basic listing of ACM committees that will be available for the 1987-88 term:

Alumni Network--We are trying to establish an Alumni Network in conjunction with the Departmental Alumni Association. The Network will work toward establishing a relationship between ACM and alumni of the Department.

Campus Relations--Works with other student organizations on joint sponsorship of events.

Corporate Relations--Responsible for maintaining contacts with corporations. Works closely with the Alumni Network and the Job Fair Committees.

Engineering Council Representatives--Represents ACM and the SIGs on the Engineering Council and its subcommittees.

Engineering Open House--Runs the Computer Science Open House for EOH. Since ACM is entirely responsible for organizing CSOH, a lot of people are needed for this committee.

Fundraising--Brainstorms and implements ways for ACM to raise those big buckolas that we need to exist.

Job Fair--Organizes and runs the annual ACM Job Fair each February. Works closely with the Alumni Network and Corporate Relations Committees.

Membership--Maintains the ACM membership database using dBase III on the IBM PC/AT system. Produces executive summary reports for committees and SIGs.

Newsletter--Produces the ACM newsletter every two to three weeks using Microsoft WORDTM (or PageMakerTM) on the Macintosh system.

Professor Symposia--Coordinates the weekly presentations by Departmental professors discussing their research and areas of interest.

Programming Contest--Entails running the statewide high school programming contest, the local chapter entry into the ACM national collegiate programming contest, and all locally sponsored programming contests that ACM @ UIUC holds.

Publicity--Coordinates the publicity needs for ACM and the SIGs to some extent. Involves using various text processors, getting jobs printed, and getting the information disseminated.

Resume Book--Designs and produces the annual ACM Resume Book and sells it to corporations. Works closely with the Alumni Network and Job Fair Committees.

SIG Coordinator--Ensures that the Special Interest Groups have all the necessary information, funds, and assistance to prosper; and makes sure that the groups do not conflict with one another in their activities, workshops, and space usage.

SITE/JETS--Coordinates (with the aid of the Department of Computer Science) tours and informational meetings for high school students concerning the Department and the University.

Social--Organizes social events (such as picnics at Allerton Park, pizza parties, etc.) for ACM. Some real "party hounds" with good organizational skills are desired for this position.

If you are interested in any of these committees (as either the chairperson or a committee person), you should call the ACM Office (333-5828) and leave a message for the current committee chairperson. If you cannot get ahold of the appropriate committee person, SIG chair, or ACM officer, leave a message for either Jim Dobyns or John Tullis.

All of the SIGs will be holding their elections between April 1st and April 15th, following the ACM officership elections. Some of the current officers in the SIGs will be graduating either this May or August, so we encourage you to take an active leadership role in SIGs that interest you.

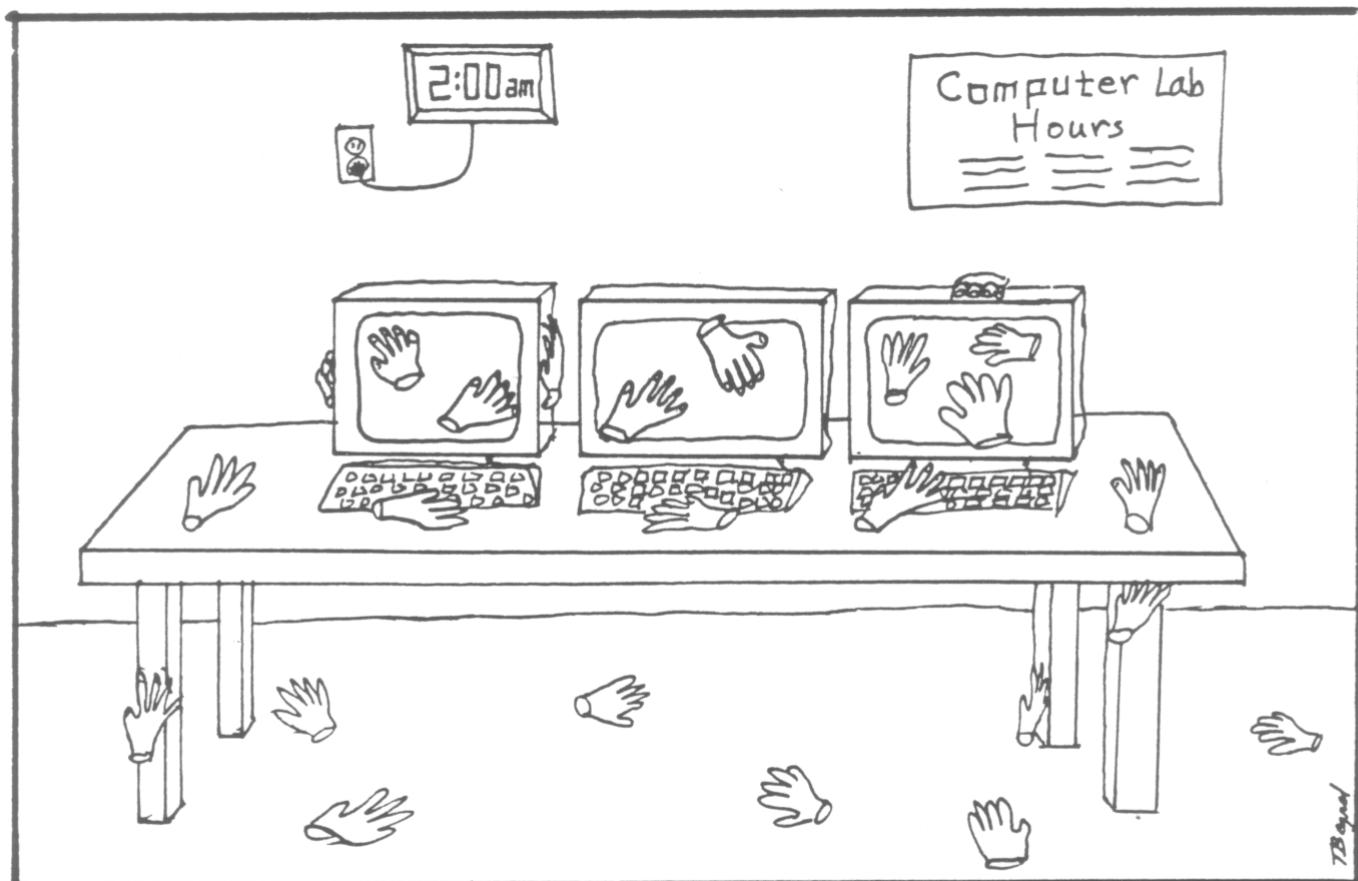
The next issue of *Banks of the Boneyard* will feature the position statements for the candidates

running for the four officer positions: Chairman, Vice Chairman, Treasurer, and Secretary. Although we will be accepting final nominations at the April 1st meeting, anyone wishing to publish a statement must be nominated on or before the March 11th meeting and submit a position statement before Spring Break due to the newsletter deadline.

Finally, we thank everyone who listed their areas of interest on their membership application form. ACM executives will try to get in touch with you, but we do tend to be somewhat overworked. Please, if you are interested in an area, do not wait for someone to come tap you on the shoulder. Come to the SIG meetings, come sit in on the executive meetings (3:00 pm every Friday on the third floor of 1204 West Springfield Avenue in Urbana--the ACM Building), and come to the general meetings to either get nominated or nominate someone else for a position.

-Jim Dobyns & John Tullis

Bits and Pieces



THE REAL REASON FOR FINGERPRINTS ON TERMINAL SCREENS.

Calendar of Events

Mon Mar 9th	Professor Symposium: Prof. S. N. Kamin: "Programming Languages" 3:00 pm 115 DCL.	Tue Mar 24th SIGART Workshop: Introductory LISP. 7:00 pm 115 DCL.
Tue Mar 10th	SIGART Workshop: Introductory LISP. 7:00 pm 115 DCL.	Wed Mar 25th SIGART Meeting: Tom Fermanian: "An Expert System Application." 4:00 pm 151 EEB.
Wed Mar 11th	ACM General Meeting: Advanced Micro Devices: "Life in the Semiconductor Industry." 3:00 pm 151 EEB.	Wed Mar 25th SIGUUCP Workshop: "Advanced VI Editor." 7:00 pm 115 DCL.
Wed Mar 11th	SIGUUCP General Meeting: Gould Computer Systems Division: "What Is Real Time Unix?" 7:00 pm 115 DCL.	Mon Mar 30th Professor Symposium: Prof. L. V. Kale: "Parallel Architecture for Symbolic Computation." 3:00 pm 115 DCL.
Mon Mar 23rd	Professor Symposium: Prof. W. J. Kubitz: "Graphics and Automated VLSI Design." 3:00 pm 115 DCL.	Tue Mar 31st SIGART Workshop: Introductory LISP. 7:00 pm 115 DCL.
		Wed Apr 1st ACM General Meeting: Elections of 1987-88 Officers. 3:00 pm 151 EEB.

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