

# BANKS OF THE BONEYARD

*The Journal of the Association  
for Computing Machinery at UIUC*



Volume 5, Issue 2  
October 1, 1987

## The ACM & You

Thinking about joining the ACM? If you are hesitant and are asking what good will come from joining, let me tell you a few of the benefits that are available to any member who becomes active in the ACM.

As a member of the ACM, you will be interacting with many other CS students with similar interests. You

(continued on page 3)

## What the ACM Does to Members ...

Two of our local ACM members spent the summer working on a project. John Tullis, last year's ACM chairman; and Russ Price, famous for his successful cracking of Gould's Secure Unix System and former chairman of the ACM SIGNET, collaborated on a new book. In fact, you may have already seen announcements of the book posted on campus. Their book is called The Searching and Sorting Cookbook, a 225 page programming aid available at Kinko's for \$11.19.

(continued on page 6)

## ACM General Meeting Announcements

The ACM General Meeting location has changed... again! In an effort to make the meetings more convenient for its members, the second ACM General Meeting will be held on Wednesday, October 7th at 5:00 pm in Room 151 EEB. Topics covered will include ACM SIG organization and elections. If you are interested in participating in any of the ACM at UIUC Special Interest Groups (SIGs), plan on attending this important organizational meeting. Pizza will be served in lieu of the more traditional (and less substantial) doughnuts.

Also, immediately after the meeting, at 6:00 pm in Room 151 EEB, the ACM will be present its guest speaker, Eddy Branch, from the National Security Agency. Mr. Branch will lecture on business opportunities for students with the NSA and will give a slide presentation.

*So come and see what the ACM has to offer. Now is your chance to become involved in the ACM at UIUC!*

—Robert Camp  
Chairman

## IN THE BONEYARD ...

Corporate Spotlight	2
Lectureship Series	2
ACM Career Day '87	2
Getting Personal	2
New Language	3
Happy Birthday	3
Corporate Liaison Meeting	4
ACM Membership	4
Resume Book Deadline	4
ACM Softball Event	4
Co-op Job Fair	4
CSO Update	5
SIG Update	5
\$20 Computer Fee	6
Calendar of Events	6

## BANKS OF THE BONEYARD

### Corporate Spotlight *Continental Bank*

The ACM Corporate Liaison Committee is sponsoring a lecture for the ACM membership on Thursday, October 22nd, from 12:00 noon to 1:00 pm. Guest speaker Terrence Tapley, 2nd Vice-President of Computer Systems Services at **Continental Bank**, will lecture in Room 115 DCL. Topics to be covered will be: MIS (management information systems) at Continental, the people and corporate culture, and information systems trends into the 1990's.

—John Tullis  
Corporate Liaison

### The ACM Lectureship Series

Five ACM National speakers have been requested for the ACM at UIUC Lectureship Series. These speakers, and their topics of interest are:

Jay Bloombecker--  
"Conscience in Computing"

John Browne --  
"Writing for the User"

Robert Glass --  
"Computer Projects which Failed"

Bill Riekan --  
"Myths of the Computer Consultant"

Robert Tufts --  
"Artificial Intelligence and Expert Systems: Are They Worth the Effort?"

Addamax, a local high technology company, has agreed to sponsor three of these speakers. Verification of these ACM National speakers and lecture dates will be posted in upcoming issues of the newsletter.

—John Tullis  
Corporate Liaison

### ACM Career Day '87

Things are really shaping up for the '87 ACM Career Day. For those of you who are not familiar with the event, it is a chance for companies to come to the U of I and talk to students at a large informal gathering at the Illini Union. Each company will have a booth with representatives who will be handing out corporate literature and answering any questions you might have about co-oping and job opportunities with their particular company. This year, we have even more companies attending, including:

Arthur Anderson	BNR
Control Data Corp.	Convex
GTE	Gould
Harris Corp.	IBM
Lachman Associates	Northrop
National Semiconductor Corp.	
Proctor & Gamble	

#### United Airlines

and several others. So far, our company response for this Career Day has been better than last year's, and we're expecting even more companies to sign up in the upcoming month prior to the event. The ACM Career Day will run from 9:00 am to 5:00 pm in Illini Union Rooms A & B on Monday, November 9th. If you are interested in getting involved with the ACM Career Day committee, call Pete Hlavach at 328-3524 or stop by the ACM Office and leave a message. Help is needed with publicity, setting up on the day of the event, and corporate relations. We are also looking for people who would like to get involved with next year's ACM Career Day.

—Pete Hlavach  
Vice-Chairman

### Getting Personal... *"Inquiring Minds Want to Know"*

Have a gripe? Have a complaint, an idea, or request? **BANKS OF THE BONEYARD** is offering a free service to its ACM readers: a personals column. **BANKS OF THE BONEYARD** is read by students and faculty all over campus and offers you a chance to speak out and be heard by nearly 1,000 readers.

Submissions should be typed, printed, or saved to a Mac disk using MacWrite, Word, or standard ASCII format. Turn them in to the newsletter mailbox at the ACM Office in Room 201, 1204 W. Springfield with your name and telephone number and we'll publish it in the next available newsletter.

-- Rich Bloch  
Editor

## BANKS OF THE BONEYARD

(continued from page 1)

### The ACM & You

will find that these students are taking the same classes, doing the same homework, and studying for the same tests as you. In addition, other members may have had the classes that you are taking or will take and can offer much advice on courses, professors, and class material. Networking with fellow students makes going to college a bit more interesting knowing that you are not alone in your quest for a degree.

Besides working with fellow students, members of the ACM have many opportunities to become acquainted with the Department faculty. Having an open channel of communications with the faculty members is most advantageous when interested in working on research projects and Open House exhibits. And when the time comes for you to gather references for graduate school and employment, faculty members with whom you have worked will be most cooperative.

The ACM also deals with many corporations throughout the year. The annual **ACM Career Day** brings hundreds of students and companies together. Corporate speakers and plant trips are other activities that the ACM organizes for its members. Participating in these events can lead to corporate contacts that may be fruitful in the future. Exposure to different companies also gives you a better feeling for the type of company that you would like to work for after graduation.

Although contacts are important, the

The ACM has recently learned of a new, rarely used, parsed-algorithm language called ENGLISH. This open-syntax modular system is designed to allow users to communicate with one another nonverbally over extended distances with little or no loss of information. Some sample code written in ENGLISH follows:

Join the ACM newsletter staff!

The ACM, in close association with the editor of the **BANKS OF THE BONEYARD** newsletter will continue their search for programmers and linguists using

greatest benefit that you can receive by being a member is the development of your leadership, organizational and communication skills. These are not just empty words that all societies tell their perspective members, but good advice for all future professionals. No matter what your position may be in the work environment, your ability to discuss assignments, organize projects, and meet deadlines will be well developed if you have experience early on. The ACM has many opportunities for motivated members to better these skills. There are over twenty committees that need members to organize activities and run events.

We have a strong **Special Interest Group (SIG)** program that unites CS people with common interests. The SIG's have all the support of the ACM as well as additional resources within their own organization. If there is not a SIG that addresses

### New Computer Language

this highly sought -after language. If you know of anyone familiar with the ENGLISH language, contact me at the ACM Office at 1204 W. Springfield, Room 201 or call 333-5828 and leave a message.

### Happy Birthday Banks!

This month marks the 5th year anniversary of the **BANKS OF THE BONEYARD** newsletter. Kudos to all those that made it what it is today!

-- Rich Bloch  
Editor

your particular interest, with little effort a new SIG could be formed and bring together more people like yourself.

As you can see, the ACM at UIUC has many benefits for its members, and since the ACM is the official society of the Department of Computer Science, we have the fullest support and cooperation of the Department. I hope that if you were unsure about joining the ACM, I have convinced you that there is a lot to gain from being a member of the ACM.

Hope to see you get involved this year. Attend our second ACM General Meeting, October 7th, or stop by the ACM office located at 1204 W. Springfield Avenue, Room 201, and pick up a membership form.

—Robert Camp  
Chairman

## BANKS OF THE BONEYARD

### Engineering Co-op Job Fair

On October 5th, from 1:00 to 9:00 pm in Rooms A and B of the Illini Union, the Co-op Society is holding its annual Co-op Job Fair. Representatives from over 15 companies will be available to discuss their interests in you, the University of Illinois student. These companies will include:

Bell Northern Research  
Caterpillar  
Digital Equipment Co.  
Fermi Lab  
GE-Lighting  
GM-Electromotive  
Hughes Aircraft  
IBM  
Illinois Dept. of Transportation  
McDonnell-Douglas  
Monsanto-MIS  
Rockford-GSD  
R. R. Donnelley  
Sundstrand  
Tektronix

Tables will be set up for each company, and you may talk to them anytime during the Job Fair. You are also encouraged to bring several copies of the Co-op application, available in the Co-op office, Room 213 Engineering Hall. On the following day, October 6th, most companies will be holding formal interviews for students interested in starting work in January and May of the upcoming year. Please dress appropriately.

Hope to see you at the Co-op Job Fair, and good luck!

—Mike Ries  
Co-op Liaison

### ACM Career Day Resume Book Deadline

The annual ACM Career Day is coming November 9th. This means that if you want your resume included in the ACM Resume Book that will be distributed to all the companies at the Career Day, send it to the ACM Office (The ACM at UIUC, 240 Digital Computer Lab, 1304 West Springfield Avenue, Urbana, IL 61801) by October 16th. Please use the forms available from the Engineering Placement Office, and keep your resume down to two sides of a page. Resumes longer than two sides will not be accepted. And as a reminder, there will be separate sections in the Resume Book for summer and permanent employment. Remember, the deadline is October 16th.

—Jeff Wilson  
Resume Book Coordinator

### ACM Corporate Liaison Committee Meeting

The first organizational meeting of the Corporate Liaison committee is scheduled for Tuesday evening, October 6th at 9:00 pm in the ACM Lounge. The ACM Lounge is located on the third floor of 1204 West Springfield. The purpose of the Corporate Liaison Committee is to establish and maintain an ongoing relationship with specific companies.

—John Tullis  
Corporate Liaison

### ACM Softball Bonanza

The ACM pitched its first social event of the year last Sunday, September 20th. Everyone enjoyed the softball game and picnic that took place at Hessel Park in Champaign. With brats and hamburgers sizzling on the grill, the ACM took on some stiff local competition in a seven-inning softball bonanza. The score was close, but with a base-pounding six run sixth-inning, the ACM was victorious, 22 to 17. After the game, we ate some more, drank some more, and had more of a great time. I'd like to thank all those who participated, and especially Nick Petrone (the ACM Treasurer) for his help setting up. Hope to see you all at future ACM events!

—Scott Ernsteen  
Social Chairman

### ACM Membership *Become active in the ACM*

Are you an ACM member yet? Would you like to join the growing number of students, professors and CS professionals here at the University of Illinois expressing an interest in computer science and applications? Become a member of the ACM Student Chapter at UIUC. Pick up a membership application at the ACM Office on 1204 W. Springfield, Room 201 (333-5828) and join. Membership fees are \$5.00 a year and benefit you as well as helps the ACM bring its members more services and benefits in the field of computer science.

—Rich Bloch  
Editor

## BANKS OF THE BONEYARD

### CSO Sites

The following Computing Services Office terminal sites are available for student and faculty use as of September, 1987:

CSO NORTH (DCL) 14 Digital Computer Lab 333-7685	Monday-Saturday, 24 hours/day Sunday, 12 noon - 12 midnight
CSO SOUTH 70 Commerce West 333-4500	Monday-Saturday, 8 am - 12 midnight Sunday, 12 noon - 12 midnight
AGRICULTURE N - 120 Turner Hall 333-8170	Monday-Thursday, 8 am - 10 pm Friday, 8 am - 5 pm Saturday-Sunday, closed
CHEMISTRY 150 - 154 Noyes Lab 333-1728	Monday-Friday, 9 am - 5 pm Saturday-Sunday, closed
CRH SNACK BAR 120 Snack Bar 333-1851	Daily, 12 noon - 12 midnight
ELECTRICAL ENGINEERING 146 Electrical Engineering	Monday-Friday, 8 am - 12 midnight Saturday, 8 am - 5 pm Sunday, closed
FAR Florida Avenue Residence Halls, 333-2695	Daily, 12 noon - 12 midnight
ISR Illinois Street Residence Halls, 333-0307	Daily, 12 noon - 12 midnight
MECHANICAL ENGINEERING 65 Mechanical Engineering 333-1430	Monday-Saturday, 8 am - 12 midnight Sunday, 12 noon - 12 midnight
PSYCHOLOGY 453 Psychology 333-7815	Monday-Friday, 8 am - 5 pm Saturday-Sunday, closed
SOCIAL SCIENCE 202 Lincoln Hall 333-0309	Monday-Friday, 8 am - 12 midnight Saturday, 10 am - 5 pm Sunday, 12 noon - 5 pm

### SIG Update *Special Interest Groups at UIUC*

**SIGNET (networking)** -- There will be an organizational meeting on Thursday, October 8th at 7:00 pm in the ACM Lounge located on the third floor of 1204 W. Springfield. This meeting is open to all members interested in computer communication via networking. SIGNET has provided the ACM with networking capabilities, allowing the ACM to communicate directly with department faculty.

-- Steve Norris  
*SIGNET Chairman*

**SIGUUCP (Unix/C)** -- The UUCP has finally gotten underway this semester. We have taken over Room 269 of the Electrical Engineering Building on Wednesday nights at 7:00 pm. I hope that you have seen one of our flyers somewhere on campus, or one of our transparencies in one of your classes. I would like to apologize to anyone who might have been frantically trying to figure out where our SIGUUCP Workshops were on the 2nd and 9th of September. They weren't! The main reason for the delay was our lack of a publicity person. Anyone interested in this position should contact me (Doug Drew) at 398-6003 or Leah Kleidon at 359-8832. The job includes making and posting flyers, and helping out with the SIGUUCP newsletter. Anyone interested in helping with just the newsletter should contact Sun Kwok at 359-4465.

-- Doug Drew  
*SIGUUCP Chairman*

## BANKS OF THE BONEYARD

(continued from page 1)

### What ACM Does

Originally, John began the programming manual for his own personal use. "I was tired of reinventing the wheel all the time when programming," said John. "So I gathered together a group of algorithms and developed them under Pascal." He then approached Russ, readily agreed, and so began their project that would last them nearly four months.

"I did the writing, editing, and initial programming, while Russ did the translating and debugging to ensure that each routine ran properly in

every language," John said. The Cookbook contains some twenty variations on sorting and searching algorithms, translated into four languages: Pascal, C, Ada, and Modula-2.

The Cookbook already appears to be doing quite well. Favorable comments have been circulating around campus. We wish John and Russ continued success here at the University of Illinois and best of luck with possible national publication of The Searching and Sorting Cookbook.

In related ACM news, Jim Dobyns and Mike Bruno, also active members of the ACM Student

Chapter at UIUC, have started their own software applications/MIS company in Chicago. Mike was the founder and chairman of SIGMICRO, an ACM Special Interest Group for microcomputer users. And Jim was last semester's ACM executive chairman.

Now, we can't say that participation in the ACM was what created two authors and two entrepreneurs, but we won't say that it didn't either! Participation, active participation in the ACM has definitely had a positive effect on its members ... what about you?

-- Rich Bloch  
Editor

### \$20 Computer Fee Update

Computer labs are under development in the Illini Union and the Undergraduate Library. About a dozen IBM and Mac systems will be available for student and faculty use in the next few weeks in the Union, while the Undergraduate Library lab is being equipped with two dozen personal computer systems, due to come on line in early November.

The mandatory per student, per semester fee received a great deal of opposition when the semester began, and no doubt will escalate next semester when plans for increasing both the general University tuition and computer fee go into effect.

-- Rich Bloch  
Editor

### Calendar of Events

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|--------------|--|
| Mon Oct 5th  | Engineering Co-op Job Fair<br>1:00 pm - 9:00 pm<br>Rooms A & B Illini Union                        |
| Tue Oct 6th  | Corporate Liaison Meeting<br>9:00 pm<br>ACM Lounge, 1204 W. Springfield, Room 301                  |
| Wed Oct 7th  | ACM General Meeting<br>Topic: ACM Special Interest Groups<br>5:00 pm<br>151 Electrical Engineering |
|              | ACM Guest Presentation<br>Topic: Eddy Branch from the NSA<br>6:00 pm<br>151 Electrical Engineering |
|              | SIGUUCP Meeting<br>7:00 pm<br>269 Electrical Engineering   |
| Thur Oct 8th | SIGNET Meeting<br>7:00 pm<br>ACM Lounge, 1204 West Springfield, Room 301                           |