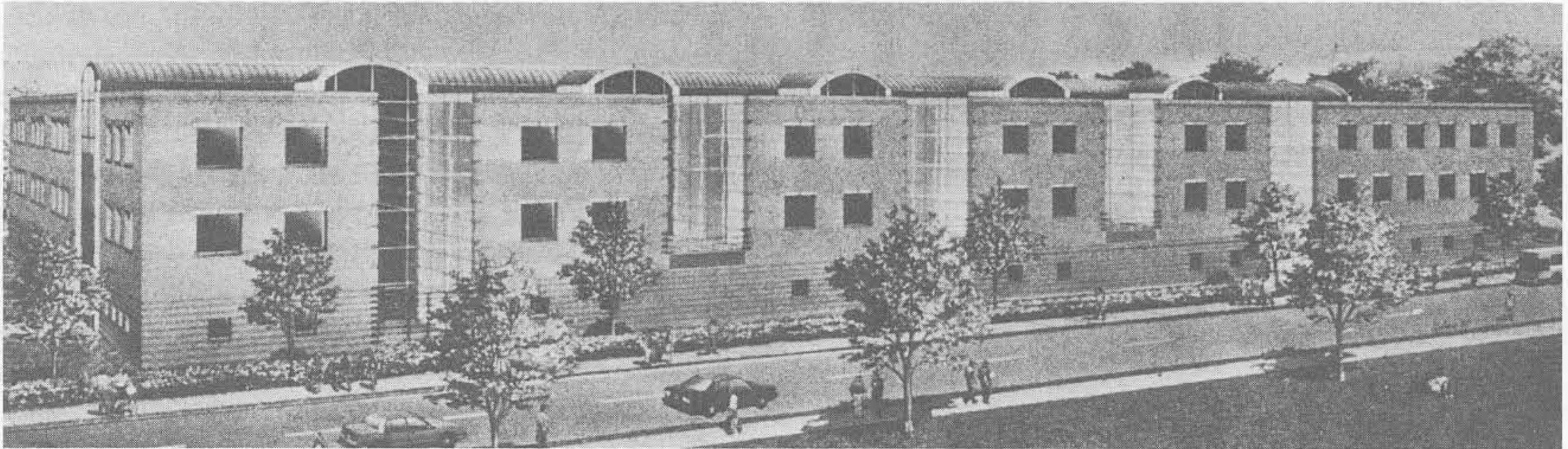


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# CS Alumni News

Winter, 1987-88



University of Illinois at Urbana-Champaign  
Computer Science Alumni Association Constituent Group

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## UNIVERSITY OF ILLINOIS COMPUTER SCIENCE ALUMNI ASSOCIATION FORMED

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### INTRODUCTION

Glenn Kowack, BS '78

This is the first newsletter of the newly-formed Computer Science Alumni Association. Setting up such a group to bring together alumni and faculty has long been a topic of discussion around the CS Department. Professor Dennis Mickunas (mickunas@b.cs.uiuc.edu), alumnus Fontaine Richardson (Acting President), and I were asked by Bill Gear, the head of the CS Department, to join him, members of the CS Faculty, students, and other alumni in setting up this organization.

We are being formulated as a constituent group of the University of Illinois Alumni Association. Graduates of the department who are members of the Alumni Association are automatically members of the Computer Science Alumni Association.

The Association's primary goal is to be a vehicle for alums, faculty and students to keep in touch with one another. We will accomplish this through three means: the CS Alumni Newsletter, the CS Department Network, and Alumni Meetings.

#### *Computer Science Alumni Newsletter*

This newsletter, to be published two or three times a year, will keep you abreast of alum activities as well as current events in the Department. We are going to concentrate on making the Newsletter a communications medium between Alums. We will keep in touch with alums from around the country and the world, and encourage them to let us know where they are, what they are doing, and to write articles on any topic they

consider interesting. We expect this to be exciting and, on occasion, controversial. See inside for directions on where to send correspondence.

### ***The CS Department Network***

Many CS Alums are able to tap into the UNIX USENET, Telenet, or the ARPANET. Please login right away and let us know how you're doing. The "alumni" signon (no password required) at the Digital Computer Laboratory is:

alumni@b.cs.uiuc.edu

and may also be reached by dialing:

(217) 333-7893 (300/1200 baud)

You may also send email to alumni@b.cs.uiuc.edu.

### ***Meetings***

Last Spring we held the first CS Alumni meeting on Campus in Urbana-Champaign, where initial bylaws were established. Further information and minutes from that meeting are in a later article in this issue.. We will be having at least one such meeting each year. Our next meeting is tentatively planned for this coming Spring in Champaign-Urbana.

As the association gains momentum, we hope to have regional groups spring up, with meetings

taking place in each. In time we also hope to have UI CS Alumni suites at some of the major yearly meetings of professional associations.

### ***Keeping in Touch***

Funding for this newsletter and membership fees are provided by the UI Alumni Association and Department. Because of mailing costs, the only way that you can be assured of receiving future newsletters is to become a member of the UI Alumni Association. Membership is only \$15 per year, so fill out and send in the attached reply form. Please indicate your current mailing address on the form and mail it as soon as possible. Note also that there is space for you to indicate the addresses of other Alums. We would appreciate your helping us keep our database up to date by sending the addresses and current activities of other alums.

In closing, welcome to the new Computer Science Alumni Association. We are looking forward to further contact with you and expect some good surprises as we all discover where we have all gone and what we have learned over the years.

Glenn Kowack, Acting Association VP and member of the Class of 1978, is Senior Director of Gould Computer Systems Division's Software Development Center in Urbana.

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## **SEARCH FOR PHOTOS UNDERWAY**

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A few of us on the newsletter staff recently spent a day scouring the University Photo Archives for old photographs of the Digital Computer Lab, faculty, and alumni. Braving all manner of dust and mildew, we discovered only a moderate number of old prints. Alas, the Archives are woefully weak in representing Computer Science. If you have in your possession any photographs of Alums, Faculty, DCL or, especially, any hardware or research settings, please send copies to:

Computer Science Alumni Group  
Department of Computer Science  
1304 West Springfield Avenue  
Urbana, Illinois 61820

Dennis Mickunas and Glenn Kowack will act as Departmental Historians and maintain the photo file, which will be open to alums. All photographs should be dated and described. Please take care to spell out fully all the names of persons photographed, and their position at the time, if known. We'll publish the most interesting in the Newsletter.

Finally, if you have any amusing historical notes or artifacts that you think would interest the department, please drop us a line.

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## STATE OF THE DEPARTMENT

Bill Gear, PhD '60

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On behalf of the current faculty and students of the Department of Computer Science, I am very pleased to welcome you as readers of this first CS Alumni Newsletter. I hope that you will join our alumni association and maintain contacts with your academic home. The department has seen many changes over its nearly 40 years as a unit at the University. (By the way, that makes it one of the oldest computer science groups in the country.) In its first 15 years it did not offer degrees under the CS name, but its faculty supervised many Masters and Doctorates which were granted in EE, Mathematics, Physics, and others. In 1965 approval was granted for a CS PhD (and our acting President, Fontaine Richardson, received the second one awarded). In 1967 the department graduated its first Bachelors degrees in LAS (4 graduated that year), and in 1973 the first bachelors in the Engineering program graduated (11 that year). Today we are graduating over 250 bachelors every year, around 80 masters, and 25 PhDs, making us one of the largest departments in the country.

The department has grown both in size and stature. In the last four years we have hired 21 new faculty, and increased in size from 31 to 45 faculty. Several recent national surveys have ranked the department as number three in the country. (The Engineering College, of which we have been a member since 1973, was just ranked number two in the country — behind MIT — in a U. S. News and World Report survey of Engineering College Deans.)

Our approximately 1000 undergraduates and 400 graduate students are active in campus activities. The student chapter of ACM runs social, educational, and professional activities and produces a superb newsletter every month. (Those of you who need to make contact with our undergraduates will find that group to be an excellent one to work with.) CGSO, the Computer Science Graduate Student Organization, holds a weekly coffee hour on Friday afternoons, organizes an annual holiday party, and numerous other events.

Some of you may remember moving into our "new" building 30 years ago, but for most of you, that building is the old part of the current building since it was expanded twice (each time, doubling it as seems appropriate for CS!). However, much bigger change is about to literally loom over us. A third expansion will add another 100,000 gross square feet of space to make the building two and a half times its present size, in other words, to increase the building to ten times the size of the original part. Needless to say, that will change the character of the building. This new addition will surround the existing building on three sides (East, South, and West), and be one story taller (three instead of two). It will occupy the whole of the block with a design that will make it one of the most interesting on campus. A 350 foot atrium/spine will allow light into offices in the old building and provide circulation for the new and old. The exterior facade will blend with the red-brick nature of our campus, but it will be cut back to the atrium space with contemporary glass curtain walls to provide light to the atrium and additional windows for offices in the new part. (*Look for more information about the new CS building, the Beckman Center, and the entire North Campus in upcoming issues -- Ed.*)

We expect to be occupying the new building in 1990 and bringing all of our space under one roof again (we occupy seven different buildings at this time). The department is beginning planning for a series of events to celebrate the opening of the new building. We hope that you will be able to come to many of them, but one of these events will be especially for our alumni. Many of our alumni hold important positions, both scientific and managerial, in industry, government, and academe, and we hope to persuade many of them to speak at an alumni seminar, a seminar that can not only recall the fond memories we have of the past, but can provide guidance to the faculty, our current students, and old friends, for the future. I hope that I will be able to renew acquaintances with many of you then, but I hope that you will not wait until 1990 to become involved with your alumni association or to visit our department.

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## CS ALUMNI NEWS

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One of the services an alumni newsletter can provide is information about events in the lives of your friends from college days. We hope that you will send in some information about yourself, your family, and your work. Below we give some information about a few of our alumni who are well known to us through continuing personal contacts or because of their newsworthy achievements. However, please don't wait until you have started your own company to let us know what you are doing!

### **1950's**

**Ray Miller**, PhD '57, is one of our alumni whose degree was received in Electrical Engineering from the Digital Computer Laboratory (which was the name of the academic unit, not the building, in those days). Ray spent 31 years at IBM research (some of these before going to graduate school), then went to Georgia Tech as Director of the School of Information and Computer Science. He recently promoted himself to professor (to use his words) and is now enjoying a well-earned sabbatical leave. He is active in computer science professional goals as President of the Computer Science Accreditation Board. He and his wife Marilyn have four daughters. The elder three are married and he has one grandson. The youngest has just completed a BS in CS.

### **1960's**

**Steve Chen**, PhD '64, is leaving Cray Research, Inc. of Chipewewa Falls, Wisconsin due to disagreements surrounding continuing funding of his MP research project. Steve was V.P. of Development at Cray, and design chief for the X-MP. The MP project was to have resulted in a 64-processor machine by the early 1990's.

Steve's future plans were not known at press time, but he is expected to begin a start-up to finish work on the MP project.

**Fontaine Richardson**, PhD '68, is the Acting President of our alumni group. After receiving his degree, Fontaine took a job at MIT Lincoln Laboratory, and from then became a co-founder of Applicon with colleagues from Lincoln Laboratory. After Applicon was sold, he was a Visiting Scientist at MIT, and is now a partner in Eastech Management Company, a venture capital organization. He and his wife Judy have two children. Bill is a senior in computer science at Carnegie Mellon University, and Marie is planning to enter UC Santa Cruz in the fall of 88.

### **1970's**

**Clarence Ellis**, PhD '70 first came to Illinois in 1962 from Beloit College, Wisconsin for a special summer program in computing for undergraduates funded by NSF. He returned as a graduate student in 1965. He is now at MCC in Austin, Texas. He has served on the NSF Division of Computing Research Advisory Committee.

**Dale Jurich**, MS '72, is now living in Aloha, Oregon, near Portland, where he works as an independent software consultant, after having spent six years with Intel in customer training. In the spring, Dale intends to build a house on the 44 acres that he recently purchased on Dairy Creek, near Mountain Dale, Oregon. He also hopes to spend some time at the house that he recently purchased in the resort town of Budva, Yugoslavia. Many alums from the '70s will remember Dale not only as a fellow student and Teaching Assistant, but also as the proprietor of the Apple Duck Pinball Arcade.

**Linda Petzold**, PhD '78, is now a group leader of the numerical mathematics group at Lawrence Livermore Laboratory. Linda is frequently invited to lecture in many parts of the world, so she and her husband, John, who is Manager of Electronic Data Processing at Northern Telecom, Inc., really have to share in the raising of their three-year old son Mathew.

## 1980's

**John Jabusch**, BS '85, and **Diann Jabusch**, BS '85 are the proud parents of their first child, Rachael. Diann works as a Project Coordinator in the UI Library School, while John continues working toward his MS in Computer Science. John also works at the Army Corps of

Engineers as a Systems Consultant. In addition, John was recently promoted to Second Lieutenant in the Air National Guard.

**Kaihu Chen**, PhD '88, recently won third place in the Second Annual Taiwan Computer GO

tournament. This is biggest Computer GO tournament in the world. His program, AZALEA, fared poorly in the 9 by 9 category, but in the 19 by 19 category it lost only its first game (the minimax depth was too deep) to finish third. Congratulations Kaihu!

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## ALUMNI AWARDS

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The following awards have lately been received by department alumni.

**Gene H. Golub**, 1959 Ph.D. graduate of the University of Illinois at Urbana-Champaign in Mathematics (from the Digital Computer Laboratory), past president of the Society for Industrial and Applied Mathematics (SIAM) and past chairman of the Computer Science Department at Stanford University, was recently honored by SIAM. SIAM noted that Dr. Golub, who is now Professor of Computer Science at Stanford University, "has shown a productive blend of true concern for people, enthusiasm for applied mathematics, and constructive action to ensure the future in his recently completed two years as president SIAM. His continuing concern for the quality of science appeared again and again during his presidency. His enthusiasm always translated into concrete action, and his high standards showed when everything was not just right. Gene's conviction of the importance of applied mathematics now and in the future has guided his work for SIAM, maintaining positions that provide for the future of applied mathematics, whether in publications, in relations with other areas of science, or in nurturing the next generation of applied mathematicians. Although he will no longer carry the title of president, Gene will remain a committed ambassador of applied mathematics and a strong leader in the community."

**Andrew Yao**, who received his Ph.D. in Computer Science from the University of Illinois at Urbana-Champaign in 1975, has been named recipient of the 1987 George Polya Prize by the Society for Industrial and Applied Mathematics. The George Polya Prize, commemorating the late internationally known mathematician, educator, and author of "How to Solve It", is awarded every 5 years for a notable application of combinatorial theory. Dr. Yao, who is now a Professor of Computer Science at Stanford University, is cited by the prize committee for his paper, "Separating the Polynomial-Time Hierarchy by Oracles," which appeared in the Proceedings of the 26th Annual Symposium on the Foundations of Computer Science, IEEE Computer Society, Los Angeles, California, in 1985. Dr. Yao was able to demonstrate that in certain computational models, each additional level of nondeterminism enables one to solve a strictly larger class of computational problems. Dr. Yao's proof confirms that multiplication cannot be done on a programmable logic array.

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## FACULTY AWARDS

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The following awards have lately been received by department faculty.

**David J. Kuck**, Professor of Computer Science and Director of the Center for Supercomputing Research and Development, has been awarded the 1987 IEEE Emanuel R. Piore Award "for contributions to optimizing compilers for supercomputers."

Professor Kuck has received national attention for his efforts in directing the Center for Supercomputing Research and Development. He is also co-founder of *Kuck and Associates, Inc.* and of *Paracomp Technology*, both of which are involved with supercomputer software. (*Look for more on CSRD in an upcoming issue -- Ed.*)

**C. L. (Dave) Liu**, Professor of Computer Science, was one of five distinguished alumni from the National Cheng Kung University in Taiwan chosen to receive an Alumni Achievement Award in 1986. This was the first year in which alumni living outside Taiwan were eligible for the award. Professor Liu traveled to Taiwan for the award ceremony and to present specialized lectures in his area of expertise "Combinatorics & Computational Algorithms."

Professor Liu was also one of the four UIUC faculty members who received fellowship awards for 1987 from the Guggenheim Foundation. Professor Liu, who was named a University Scholar in 1985, was honored for his research in the computer-aided design of integrated circuits. He plans to use the fellowship to visit the University of Rome, various U.S. schools, and various industrial research laboratories. Professor Liu will also attend several conferences and continue working on methods to simplify the design of integrated circuits.

Professor Liu received his B.Sc. from Cheng Kung University in 1956 and his Sc.D. in Engineering from the Massachusetts Institute of Technology in 1962. He has been a faculty member in the Department of Computer Science since 1972. Among his many distinctions is the University of Illinois at Urbana-Champaign University Scholar Award in 1985.

**Charles William Gear**, Professor of Computer Science, assumed his position as President of the Society for Industrial and Applied Mathematics (SIAM) on the first of January 1987. Professor Gear is Chairman of the computer science department at Urbana-Champaign and has been a professor here since 1962. He received his Ph.D. in mathematics from the Digital Computer Laboratory in 1960. Among his other distinctions, Professor Gear is a Fellow of the Institute of Electrical and Electronics Engineers, a Fellow of the American Association for the Advancement of Science, and recipient of the Forsythe Award from the Association for Computing Machinery. In November, 1987 he was awarded an Honorary Doctorate from the Royal Institute of Technology in Stockholm.

**Kenneth Forbus** and **Daniel Reed**, both Assistant Professors of Computer Science, have been awarded Presidential Young Investigator awards by the National Science Foundation.

Professor Forbus received his Ph.D. in Artificial Intelligence from Massachusetts Institute of Technology in 1984. He joined the Department of Computer Science in 1984. His research interests are in artificial intelligence and qualitative reasoning.

Professor Reed received his Ph.D. in Computer Science from Purdue University in 1984. He joined the Department in 1984. His research interest are parallel computation and computer systems modeling.

Professors Forbus and Reed were two of only 200 engineers and scientists chosen nationally from 1,122 nominations. The awards, which carry an annual base grant of \$25,000, are intended to help universities attract and retain outstanding scholars who might otherwise pursue non-academic careers. Candidates for the awards must be within four years of having received their doctorates.

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## STUDENT ACM

Rich Bloch '88

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The Student Chapter of the ACM at UIUC is the official student professional society of the Department of Computer Science at the University of Illinois at Urbana-Champaign. As one of the largest ACM Student Chapters in the country, the Student ACM at UIUC provides its nearly 600 members with a variety of activities in the field of computer science. Such Student ACM events include:

**Lectureship Series** — The "ACM Professor Symposia" and the "ACM Faculty Spotlight" feature speakers in academia, with primary emphasis on professors at the University of Illinois at Urbana-Champaign. The "ACM Corporate Spotlight" and the "ACM National Lectureship Series" gives students the opportunity to listen and discuss topics with professionals from all corners of both the academic and business world.

**Special Interest Groups (SIGs)** — One of the most successful services the Student ACM at UIUC has supported is the special interest group, or SIG. Every SIG is different in terms of interest, but the same in one important respect: to bring students together with similar interests in the field of computer science and applications.

The Student ACM at UIUC, in addition, sponsors many similarly-related special events such as the annual ACM Career Day, and represents the Department of Computer Science at the annual University of Illinois Computer Science/Engineering Open House (CSOH/EOH) held each spring.

The Student ACM at UIUC executives and members alike look forward to becoming an integral part of the newly-formed Computer Science Alumni Association (CSAA). Our primary focus as the CSAA becomes established will be to help develop an Alumni Network: linking CS alumni with graduates and undergraduates at the University of Illinois through the ACM.

For more information about the ACM at UIUC, or the Alumni Network, contact the ACM Office at (217)333-5828.

The ACM at UIUC  
240 Digital Computer Lab  
1304 West Springfield Avenue  
Urbana, IL 61801

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## FIRST ANNUAL ALUMNI MEETING

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The first meeting of the Computer Science Alumni Association Constituent Group was held on Thursday, April 9, 1987 at the Digital Computer Laboratory. After welcoming remarks by Professor Dennis Mickunas, the meeting was called to order by Glenn Kowack, acting Vice-President of the Group. A list of attendees is given later in this report.

Professor William Gear, Head of the CS Department, presented a "State of the Department" report. Professor Gear reported generally that the Department is healthy and growing. Recruiting has been successful in recent years, with particular emphasis on the growth of Artificial Intelligence in the Department. A list of all the

faculty and their research interests is presented elsewhere in this newsletter.

Professor William Kubitz, Associate Head of the CS Department, presented a report on the new addition to the DCL building. Professor Kubitz showed slides of the architects' renditions of the new addition, and displayed sketches, drawings, and an architect's model. (*See future issues the newsletter for more details of the new addition, as well as other building activity on north campus -- Ed.*)

Professor Mickunas then reported on recent alumni and faculty accomplishments of interest. Details of some of these are also reported in this newsletter.

James Dobyns, President of the Student Chapter of the ACM, reported on the student ACM activities of the past year. The chapter has been especially active, with sponsorship of a job fair, plant tours, and involvement in Engineering Open House.

The floor was then opened to general discussion about the Group. Various ideas were presented about annual events, regional activities, structure of the Group, etc. It was tentatively decided that election of officers and approval of bylaws would take place at the second annual meeting (to be held on April 6, 1988). A nominating committee was named, and charged with seeking candidates for the various offices. The nominating committee consists of

Tom Chen  
57 Chestnut Ct.  
Champaign, IL 61821

Rick Balocca  
1606 Cornell Dr.  
Champaign, IL 61821

Connor Haugh  
55 Marian Ave.  
Poughkeepsie, NY 12601  
(connor@ibm.com)

If you or someone you know would like to run for office, please contact any of the committee members, or send email to the "alumni" signon at DCL:

alumni@b.cs.uiuc.edu

Of course, officers must be members of the U of I Alumni Association. In addition, a committee of one was established to recommend bylaws:

Larry White  
2022 S. Race St.  
Urbana, IL 61801  
(white@newton)

You may examine an on-line draft copy of the bylaws by accessing the CS Department Unix system and using the signon "alumni" (no password). You may either use network access via

alumni@b.cs.uiuc.edu

or you may dial

(217) 333-7893 (300/1200 baud).

Once you are signed on, you may access a UNIX "notesfile" that we have established, by typing

notes alumni

The Notes system is similar to the PLATO Notesfile system. Online help is available by typing "?".

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### First Annual Meeting List of Attendees

David McNabb Computer Science/U of I (mcnabb@a.dcs.uiuc.edu)  
Alan Josephson Texas Instruments (naj@ti-csd)  
Pervase Akhtar Gould (Urbana) (akhtar@gswd-vms)  
Infan Cheong Computer Science/U of I  
Larry White National Center for Supercomputing Applications (U of I) (white@newton)  
Flint Pellett Global Information Systems Technology (Champaign)  
Susan O'Neill Gould (Urbana) (soneill@gswd-vms)  
Denise Raffel Gould (Urbana) (draffel@gswd-vms)  
Scott Preece Gould (Urbana) (preece@gswd-vms)  
Kevin Ottendorf Gould (Urbana) (kwo@gswd-vms)  
Tom Hill Lowrey Industries  
Rick Balocca SuperSoft (Champaign)  
Tom Chen Global Information Systems Technology (Champaign)  
Connor Haugh IBM (Poughkeepsie) (connor@ibm.com)  
David Garver Gould (Urbana)



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## UPCOMING EVENTS

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### 1987/88 ANNUAL MEETING

The next annual meeting of the Computer Science Alumni Association Constituent Group will be held the day before the 1988 Industrial Computer Affiliates Program (ICAP) meeting (which is to be held April 7 and 8). At this meeting, election of officers and approval of bylaws will take place.

Date: **April 6, 1988**  
Time: **3:00 pm**  
Place: **Digital Computer Lab**  
**1304 West Springfield Avenue**  
**Urbana, Illinois**

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### Are You a member of the Alumni Association?

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More than 105,000 alumni are — including approximately 64,000 who are life members. **Computer Science Graduates who join the University of Illinois Alumni Association automatically become members of the Computer Science Alumni Association Constituent Group. This is the only way to become a member of the Computer Science Alumni Association Constituent Group.** As a member of the Alumni Association you'll receive the Illinois Alumni News, as well as publications from your college and from the Computer Science Alumni Association Constituent Group. You'll qualify for our tour program and our insurance program. And you'll continue your loyal involvement with something great — your University of Illinois. To join, either as an annual member or as a life member, return this form with your check to:

Alumni Association  
227 Illini Union  
1401 West Green Street  
Urbana, Illinois 61801

(Make your check payable to the University of Illinois Alumni Association.)

One year single membership — **\$15**  One year husband-wife — **\$20**

**SINGLE LIFE MEMBERSHIP — \$200.**

(INSTALLMENT PLAN: **\$220** — \$10 DOWN, FOUR YEARLY PAYMENTS OF \$52.50.)

**HUSBAND-WIFE LIFE MEMBERSHIP — \$225.**

(INSTALLMENT PLAN: **\$245** — \$10 DOWN, FOUR YEARLY PAYMENTS OF \$58.75.)

Name \_\_\_\_\_ S.S.# \_\_\_\_\_

Spouse's name (if an alumnus) \_\_\_\_\_

Does spouse have a U. of I. degree? \_\_\_\_\_

Address \_\_\_\_\_

College & dept. \_\_\_\_\_ College year \_\_\_\_\_

If you're already a member, thanks for your support. If you graduated within the last two years, write for special life membership rates.

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**IN MEMORIAM**

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**JAMES N. SNYDER**

February 17, 1923 – November 12, 1985

James N. Snyder, Professor of Computer Science and Physics and Emeritus Head of the Department of Computer Science at the University of Illinois at Urbana-Champaign, died on November 12, 1985. He was born February 17, 1923 at Akron, Ohio, a son of Louis Snyder and Mary Sullivan Snyder. He married Betty Jane Cooper at Cambridge, Massachusetts, on July 28, 1944.

Professor Snyder studied physics at Harvard University, and received the Bachelor of Science degree in 1945, the Master of Science in 1947, and the Doctor of Philosophy in 1949, all from Harvard. He then joined the faculty of physics at the UIUC. By 1958, he had attained the rank of Professor, and had joined the Digital Computer Laboratory, forerunner of the present Department of Computer Science. In 1964, he became Associate Head of Computer Science, and in 1970, he succeeded to the headship of the Department.

During his tenure at UIUC, Professor Snyder did research in the field of high energy physics. At DCL he was a pioneer in the use of the first Illiac computer for the processing of data on subatomic particle events. In the early 1960s, he managed the operation of the Illiac I, IBM 650, and IBM 7090/7094 computers, providing computing services to the entire UIUC campus.

A recipient of the Centennial Medal of the IEEE, Professor Snyder was a Fellow of the IEEE, of the American Physical Society, and of the American Association for the Advancement of Science, and a member of ACM. He was also a member of the Governing Board of the IEEE Computer Society, the Board of Directors of the Institute for the Certification of Computer Professionals, and of numerous boards and committees of the IEEE and ACM. He was a member of Sigma Xi, Phi Beta Kappa, and Pi Mu Epsilon, and is listed in "Who's Who in America" and in "American Men and Women of Science". The IEEE, in making him a Fellow in 1984, noted his "contributions to pioneering curricula in computer science and to computational physics."

He is survived by his wife, Betty; their son, James Newton Snyder; and a granddaughter.

**DANIEL L. SLOTNICK**

November 12, 1931 – October 25, 1985

Daniel L. Slotnick, Professor of Computer Science and Landscape Architecture at the University of Illinois at Urbana-Champaign, died on October 25, 1985. He was born November 12, 1931 in New York City, a son of Leo Slotnick and Sarah Slotnick. He married Joan of New York city in 1952.

Professor Slotnick earned a Bachelor's degree in 1951 from Columbia College and a Master's degree in 1952 from Columbia University, both in mathematics. He earned a Doctorate in mathematical physics in 1956 from New York University.

From 1952 to 1954 he was on the staff of the Electronic Computer Project, headed by John von Neumann, at the Institute for Advanced Study, Princeton, New Jersey. He worked at Princeton University, International Business Machines Corporation and Westinghouse Electric Corporation before joining the UIUC faculty in 1965.

From 1965 to 1974 he was director of the Illiac IV project, which was a pioneering effort in parallel computation and parallel computers. Slotnick's leadership in the Illiac IV project brought Illinois to the forefront of the parallel computer and supercomputer era 15 years ago and set the stage for its internationally leading position today.

In 1983, Slotnick was awarded the W. Wallace McDowell Award of the IEEE, which is one of the most prestigious prizes in the field of computing. In presenting the award, the IEEE cited him for "pioneering contributions to centrally controlled parallel computers and for his achievement in creating the parallel computer Illiac IV." He was elected a Fellow of the IEEE in 1976. He was awarded the Mellon award by the Carnegie-Mellon University in 1967, and was awarded the annual prize of the American Federation of Information Processing Societies for his work on the SOLOMON computers at Westinghouse in 1962. During 1984, Slotnick held the Alejandro Medina Visitor's Chair in Computing at the National University of Mexico. He is survived by his wife, Joan; daughters, Clare and Ellen; and three grandchildren.

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**WHAT'S NEW WITH YOU?**

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Name \_\_\_\_\_ Degree/Year \_\_\_\_\_

Address \_\_\_\_\_ Company \_\_\_\_\_

\_\_\_\_\_ Title \_\_\_\_\_

\_\_\_\_\_ Business Address \_\_\_\_\_

Is this a new address? Yes \_\_\_ No \_\_\_ \_\_\_\_\_

What's New ... with you ... or with other alums you know ...

Return to: Alumni Group, Department of Computer Science, 1304 West Springfield, Urbana, IL 61801

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## DRAMATIS PERSONAE

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