

Alumni: Where Are They Now? (continued)

Jeanie Gay

Base, and Sybase. She was also involved in the data base design and enhancement with projects related to 3 Dimensional Modeling and Knowledge Based Systems.

System feasibility, design, implementation, and installation experience include a project management system, a transmission and distribu-

tion system, a power plant estimating system, plant cost, scheduling, and siting system, and a plant life extension system.

Currently, in her position as a Project Manager, she is responsible for the design and implementation of a call level interface to disparate distributed data base engines.

New Career Planning and Placement Representative

When the Department moved to Engineering we lost the services of our fine Career Planning representative, Tracey Fraser. Tracey's responsibilities do not include students in Engineering. However, we are now ably represented by Marcia Schuley, so if any of our alums want to contact the Career Planning and Placement office about employment or possible hiring of our students, please ask for Marcia.

Marcia is a three time graduate of Kansas State University. She graduated in 1961 with a BA in English, 1976 with an MS in Guidance & Counseling, and 1980 with a PhD in Counseling & Student Personnel from the College of Education.

Marcia has been in her present position of Assistant Director of Career Planning and

Placement since September 1990. She is the liaison to the Colleges of Engineering, Architecture & Design, and Business Administration.

From 1983 to 1990 Marcia was Director of the Older Kansans Employment Program with the North Central Flint Hills Area Agency on Aging in Manhattan. She also worked with offices in Emporia, Junction City, and Salina. Earlier positions included Specialist: Consultation - Education at Pawnee Mental Health, Manhattan, and Career Counselor, Project Coordinator, and Advisor in Non-Traditional Study here at Kansas State.

Marcia is a lifetime resident of Kansas and has resided in Cawker City, Salina, and Junction City. We are looking forward to working with Marcia.

'X' Arrives at CIS

No, it's not the latest movie, not some X-rated software, and not brand X.

This 'X' means the arrival of a substantial number of X Window terminals for use by our undergraduates. Now all the laboratories in Nichols have a number of these versatile and up-to-date terminals. The reaction of the under-

grads has been predictable - happy to have them and how come so long to get here? As always, the big problem is money. But for now, we are pleased to have the machines available to undergraduates, and we will continue to try to obtain more.

Graduate Student Profile: Mary Sincovec

Mary received her undergraduate degree from the University of Washington, Seattle, in August 1988 with a major in Mathematical Sciences and an emphasis in Computer Science.

While attending that school, she was a student engineer with Boeing in Summer 1987. She set up an automated library reference system for the Ada engineering group. After graduation she was a software engineer for Boeing where some of her tasks were writing software procedures, testing software, tracking problems, conducting tests, and helping to correct software errors. She is currently on educational leave from Boeing Military Airplane Company.

This past summer Mary worked for the Department of Energy in Germantown, Maryland as an Operations Research Analyst. She updated the Fossil Energy Inventory Database and worked with her supervisor on some other small projects.

Mary is working with Dr. Unger in the area of database systems, but also has an interest in database security. Mary expects to finish her MS in May, 1993.

Mary says she is a little uncertain about plans for after graduation. She could return to Boeing, but has the option of continuing with the Department of Energy. She also wants to interview with some other companies before making a



final decision.

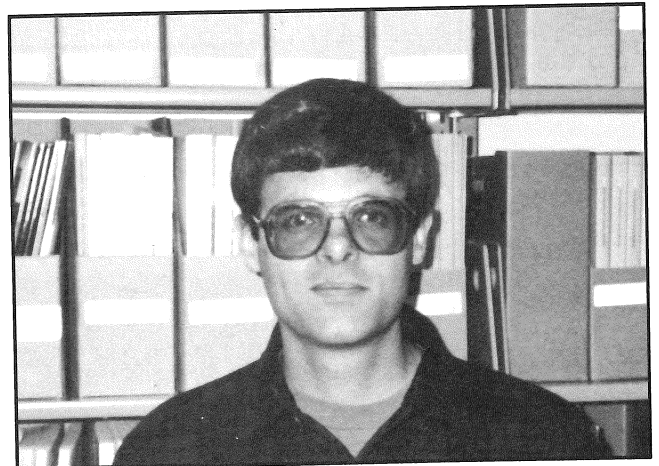
Mary says the size of the department is a plus and a minus. Since it is small and not impersonal, the people are easy to get to know and get along with. The bad thing about being a small Department is that some classes are not offered often enough so there is not much choice about when to take required classes.

To improve the Department, Mary would like to have required classes offered more often, and give GRAs the same tuition advantages that are awarded to GTAs.

Graduate Student Profile: Douglas A. Clark

On a personal level, Doug was born at Fort Belvoir, Virginia. He spent his inter-college years as a commissioned officer in the U.S. Army, during which time he worked in a number of unusual and exciting assignments. He has been married for five years to Bonnie, and she is currently pursuing a PhD in Botany (Systematics) here at KSU. Doug enjoys running, weightlifting, and racquetball. He and his wife enjoy exploring the outdoors in their limited spare time. Doug says that most of his hobbies are on a time hold for now, but he does find some time to work on his hobby car - a 1969 Cutlass (hold on to that one Doug).

Doug received his undergraduate degree from Cornell University, Ithaca, NY in 1986 where he majored in Classical Archaeology. Doug is currently working with Masaaki Mizuno in



Distributed Systems and Concurrency Issues and is also interested in simulations and modeling. He expects to finish his MS in the Summer of 1993. The high out-of-state tuition rates else-

Douglas A. Clark (continued)

where had a lot to do with Doug selecting Kansas State for his graduate work.

His professional plans after graduation include expecting to work for one or more companies, advanced work toward a PhD and possibly an MBA, and eventually owning a consulting firm. Having his own firm has been a consistent long

term goal for Doug. His personal plans are more adventuresome - he hopes to cycle across the continent sometime.

In evaluating the Department, Doug says that it provides a terrific atmosphere for study and that the faculty is genuinely interested in training graduate students in the "art" of doing research.

Graduate Student Profile: John Hatcliff

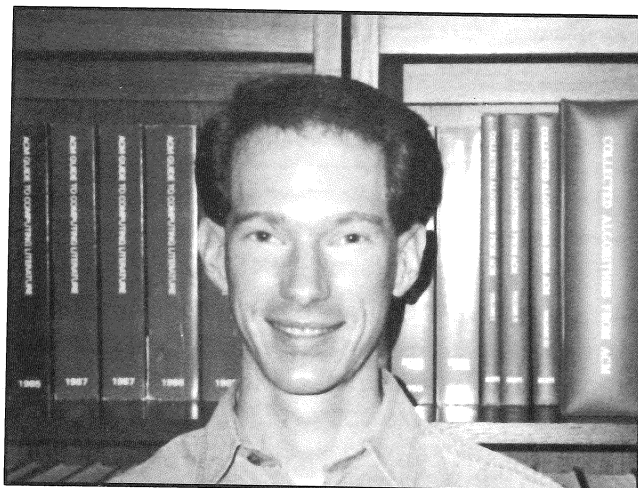
John received his undergraduate degree in Computer Science and Mathematics from Mount Vernon Nazarene College, Ohio, in May 1988. While attending that school he worked as an Administrative Computing Services programmer. After graduation he worked till 1989 as the Director of Administrative Computing Services for the Asia Pacific Nazarene Seminary, located in Manila, Philippines. He then attended Queen's University, Kingston, Ontario, Canada where he received his MS in Computer Science.

John was then accepted into the PhD program at Kansas State in Spring of 1991. His major professors are David Schmidt and Olivier Danvy and he expects to complete his work in 1994. John's area of interest is formal semantics of programming languages but he is also interested in data base programming languages.

John says his reasons for coming to Kansas State are his interest in programming languages, our strong research program in programming language theory, and that our faculty maintains good contacts with other programming language research groups around the world. He believes our faculty members in this group are well-known for their research and teaching abilities.

At this time, John has no definite plans after completion of his degree, but he expects to obtain a post-doctorate research position and continue his research in an academic environment.

John says he is delighted with the personal attention he receives from his supervising professors. He believes they are very much con-



cerned about his progress as a student and seem dedicated to making his research experience a success. He also feels the relatively small size of the Department contributes to the overall spirit of camaraderie among students, staff, and faculty.

As for the future of the Department, John would like to see the programming languages group continue to build. Since the KSU group is one node of a global group working on program analysis and transformation, John thinks this building could be helped by encouraging interchange of personnel among the nodes of this group.

John also looks forward to more interdisciplinary research with other departments/colleges at KSU such as Engineering, Psychology and natural sciences. He believes the move to the College of Engineering will facilitate that sort of research cooperation.

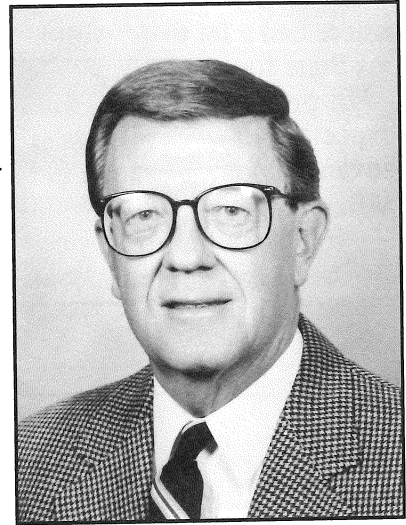
Our New Dean: Dr. Donald E. Rathbone

Donald E. Rathbone is Dean of Engineering and Paslay Chair in Engineering at Kansas State University. He received his B.S. at Purdue University, his M.S. at Northwestern University and his Ph.D. at the University of Pittsburgh in Electrical Engineering.

He has taught at the University of Pittsburgh, the University of Idaho, Northwestern University and Kansas State University. He was Head of the Department of Electrical Engineering and Professor at the University of Idaho before becoming Dean at Kansas State University. He worked for Westinghouse Electric Corporation and has served as a consultant to industrial firms and government agencies. He is the author of numerous publications and has been active in various societies. He is the Past National Chair of the Professional Engineers in Education, has

served on numerous boards and councils, including the Engineering Dean's Executive Board and is the Engineering Dean's Agency Liaison to the Department of Energy. His main areas of interest are in the systems field and in engineering education.

He has made hundreds of speeches and presentations at conferences and meetings throughout the country.



Technical Reports in the Department

Many of these reports are available via anonymous ftp. ftp to ftp.cis.ksu.edu; login as anonymous; use your internet address as the password; cd to pub/CIS; get the README file; and read its contents before proceeding. We can also send you a hard copy by just writing to the department. We like to exchange technical reports, so contact Dr. Schmidt if you would like to set up such an arrangement.

92-1 **Back to Direct Style: First-Class Continuations** by Olivier Danvy and Julia L. Lawall.

92-2 **Three Steps for the CPS Transformation** by Olivier Danvy.

92-5 **Prim-algebraic Domains: A Maximal Cartesian Closed Category** by Michael Huth.

92-7 **Extraction of Strong Typing Laws from Action Semantics Definitions** by Kyung-Goo Doh and David Schmidt.

92-8 **Leader Election in Complete Networks** by Gurdip Singh.

92-10 **A General Method to Define Quorums** by Mitchell L. Neilsen, Masaaki Mizuno, Michel Raynal (IRISA).

92-13 **A Flexible Causal Broadcast Commu-**

nication Interface for Distributed Algorithms by K. Ravindran and S. Samdarshi.

92-14 **Protocols for Causal Broadcast Message Delivery in Dynamic Groups** by K. Ravindran and S. Ramakrishnan.

92-15 **An Address-driven Architecture for Packet Multicasting in High Speed Multi-service Networks** by K. Ravindran and M. Sankhla.

92-16 **Multicast Models and Routing Algorithms for High Speed Multi-service Networks** by K. Ravindran, M. Sankhla and P. Gupta.

92-24 **Survey of Databases: Structures, Integrity, and Security** by James Slack and Elizabeth Unger.

92-25 **Temporal Deductive Databases** by M.

Technical Reports (continued)

Baudinet, J. Chomicki and P. Wolper.

92-26 **Real-Time Integrity Constraints** by J. Chomicki.

92-27 **History-less Checking of Dynamic Integrity Constraints** by J. Chomicki.

92-28 **Thunks** (continued) by Olivier Danvy and John Hatcliff.

92-29 **Separating Stages in the Continuation-Passing Style Transform** by Julia L. Lawall and Olivier Danvy.

92-30 **Action Semantics-Directed Prototyping** by Kyung-Goo Doh and David Schmidt.

92-32 **Declarative Definition of Object-Oriented Multidatabase Mappings** by Jan Chomicki and Witold Litwin.

92-33 **Finite Representation of Infinite Query Answers** by Jan Chomicki and Tomasz Imielinski.

92-34 **Impact of Synchrony and Topological Information on Leader Election** by Gurdip Singh.

92-35 **Efficient Execution of Write-only Transactions** by Gurdip Singh.

92-36 **Specification of Software Measures** by David Gustafson and Joo Tan.

92-37 **The Transformation of English Text into Concurrent Plans** by Maria Zamfir.

92-38 **Performance of Remote Process Execution in Time Warp** by J.E. Butler and V.E. Wallentine.

92-39 **A Categorical Interpretation of the Correspondence Principle** by Anindya Banerjee and David Schmidt.

93-2 **A Verification Helper for Task Specifications** by William Hankley and Peikun Tsai.

93-3 **Communication Efficient Distributed Shared Memories** by Masaaki Mizuno, Gurdip Singh, Michel Raynal, and Mitchell L. Neilsen.

93-4 **A Sequentially Consistent Distributed Shared Memory** by James Z. Zhou, Masaaki Mizuno, and Gurdip Singh.

93-5 **Analysis of Logical Concurrency in Distributed Applications** by K. Ravindran and A. Thenmozhi.

93-6 **Structural Complexity and Execution Efficiency of Distributed Application Protocols** by K. Ravindran and X.T. Lin.

93-7 **Service Models and Network Abstractions for Data Multicasting in Multi-service Networks** by K. Ravindran and X.T. Lin.

93-8 **Transport Models for Synchronization of Multimedia Data Streams** by K. Ravindran.

Let's Keep In Touch

We really do like to hear from our alums. If you have a change of address, an event you would like others to know about, or would like to locate someone, please let us know.

Name _____

Address _____

Phone _____ Company _____

Event _____

Like to contact _____

Undergraduate Profile: Teresa Detter

Teresa is a native Kansan, born in Topeka but has lived in Concordia for the past 13 years. Teresa has many academic interests. She started studying Spanish in 8th grade and continued through her first two years at Kansas State. Teresa also enjoyed mathematics and chemistry in high school.

Teresa has earned many honors and taken part in many activities in high school and here at Kansas State. At Concordia she was in the National Honor Society, Kansas Association for Youth, Quiz Bowl team, 4-H, cross country track, basketball, band, pit orchestra, and spring track. She also found time to study and was Valedictorian of her class.

While at Kansas State she has been named as a Dane Hansen Scholar, State of Kansas Scholar, Fuller Award winner in mathematics, and has been one of the CIS Department IBM Employee Scholarship recipients. She is a member of the Golden Key National and Phi Kappa Phi Honor Societies.

This past summer, Teresa worked as summer intern for the State Department of Education. Teresa says she really enjoyed the opportunity to work in a real-world environment and learned a great deal from the experience.



Teresa says that she is interested in computers and computer science for many reasons. She enjoys most aspects of computer science and feels that computer science is a great complement to her interest in mathematics. She expects to graduate in May 1993 with a dual degree in computer science and mathematics.

After graduation, Teresa hopes to find an interesting job that she can really enjoy, one which combines her interests in computer science and mathematics.

Teresa thinks the department is doing a good job in giving students a taste of the many diverse areas in computer science. She hopes we are able to expand our curriculum as the computer science field continues to diversify at a high rate.

The Computing and Information Sciences Development Fund

Private funding continues to be critical to the success of the program, the faculty, and the students. This fact has not changed in the slightest since the newsletter of last year. We still have three major categories which we believe to be primary to the advancement of the Department.

First, the university library has sustained major reductions, forcing the cancellation of many journal and proceedings subscriptions. We have put as many resources as possible into our own library in an attempt to keep current literature available.

Second, scholarship and fellowship funding is the best way to attract quality undergraduates and graduates. The "market" is extremely competitive for the bright student. Thanks to your help, we have been able to attract quality students. For example, we now have about six

high school valedictorians in the program, and they have continued to perform extremely well here at the University.

Third, we want our students to be exposed to the latest ideas in computing, and to do so we must be able to invite good seminar speakers, and in addition, support faculty and student travel to seminars.

We established the Development Fund five years ago to help meet our critical needs. If you would like to help us maintain a top quality program, please use the form below. Your employer may provide matching funds. We hope you still consider yourself as part of the CIS Department family and you will want to help with your donation, large or small. We are most appreciative of your support—thank you!

Virg Wallentine, Department Head

Positions Needed for Computer Science and Information Systems Students

A major effort is now underway in the departments within the College of Engineering to identify alumni who may be able to help our students find employment after graduation and to identify smaller companies that would benefit from hiring our graduates but don't have the resources to come on campus and recruit. The CIS Department is working closely with Scott

Scrogin in Engineering to develop this database which should be a great help to our graduates and to companies looking for good employees. In addition, we are always looking for summer positions for our undergraduates. If you can help with this effort, please fill out the form below and return it to the department.

Name _____ Address _____
 City _____ State & Zip _____
 Company _____

We have a possible opening for:

- | | |
|---|---|
| <input type="checkbox"/> Entry Level Position | <input type="checkbox"/> Position with Experience |
| <input type="checkbox"/> Summer Training | <input type="checkbox"/> Semester Intern |
| <input type="checkbox"/> Other _____ | |

Looking for skills: _____

Contact: _____

Yes, I want to help support the Development Fund!

I want to support the Department of Computing and Information Sciences. Enclosed is my check for \$_____ made payable to the KSU Foundation but designated to the CIS Development Fund.

- Department Library
- Faculty and Student Development
- Scholarships and Fellowships

I want to pledge my support for the Department of Computing and Information Sciences for:

This gift does
 does not qualify for a matching gift from my employer.

- \$500 \$200 \$100

to be paid in _____ installments. Enclosed is my first check for \$_____. Please bill me annually for the next _____ years. I would prefer billing in the _____.

Name _____
 Street _____
 City, St., Zip _____
 Authorized Signature _____
 Business or employer _____

Please return to KSU Foundation, P.O. Box 1806, Manhattan, KS 66502.