

AMES LAB INSIDER



SUMMER STUDENTS - See Page 2.

Summer Of Learning And Fun At Lab For Trainees

Nineteen students from various institutions around the country are spending their summer at the Ames Laboratory, and will return home with a wealth of knowledge and first-hand experience in research. The training is a part of the DOE Laboratory Cooperative Program, under which the U.S. Department of Energy supports the interaction of its national laboratories and research centers with the academic community. Ames Laboratory participates by hiring summer student trainees and faculty research participants.

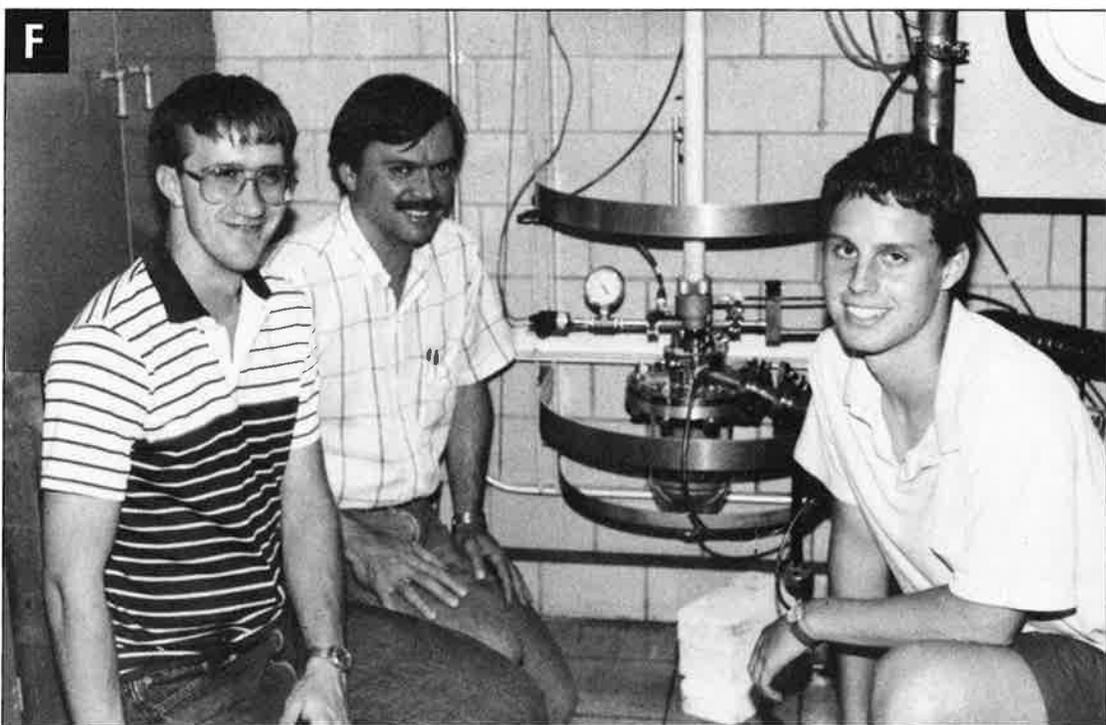
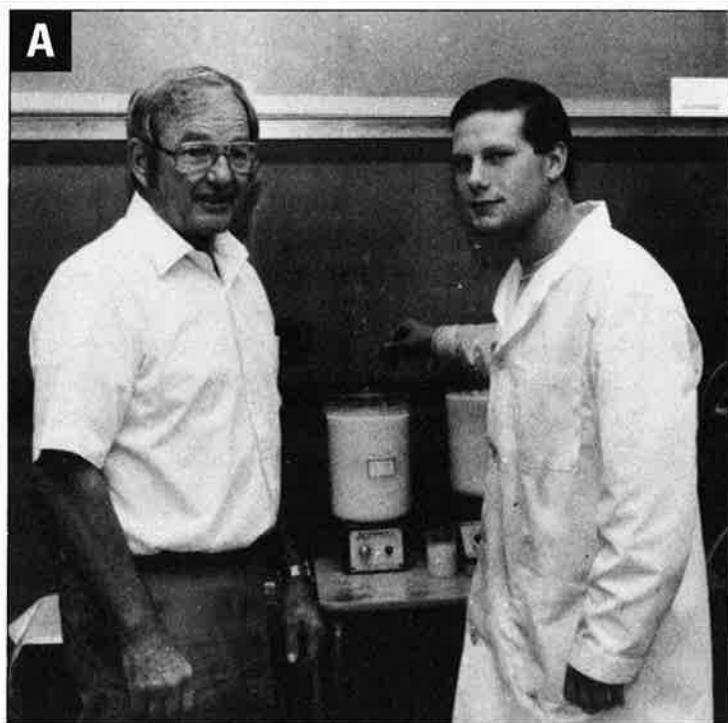
The trainees started on June 11 and will continue until August 17. Each student is assigned to an Ames Lab research group to work on a project that matches his/her background and interest. Efforts are made to bring in faculty and students from small institutions that do not have extensive research facilities.

From their exposure and contact with leading scientists and graduate students, many of the trainees are encouraged to pursue graduate studies in fields of national importance. Student participants who choose careers in industry contribute to the important laboratory mission of technology transfer and will encourage and facilitate industrial access to laboratory programs.

Jennifer Gage of the University of Wisconsin-

LaCrosse is very happy with the exposure she is getting at the Lab while working with scientists and graduate students. Coming from a smaller university that doesn't have a graduate program in chemistry, she values her interactions with graduate students here.

She hopes her training at the Lab will help her pursue graduate education in analytical chromatography. Impressed by her instructor,



James Fritz, Gage says, "He did not send someone else to talk to me, but came himself."

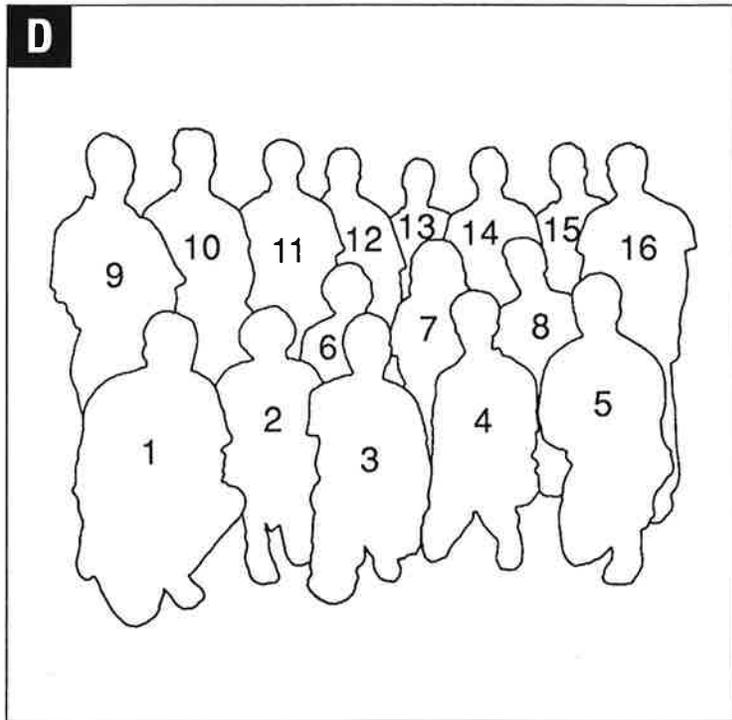
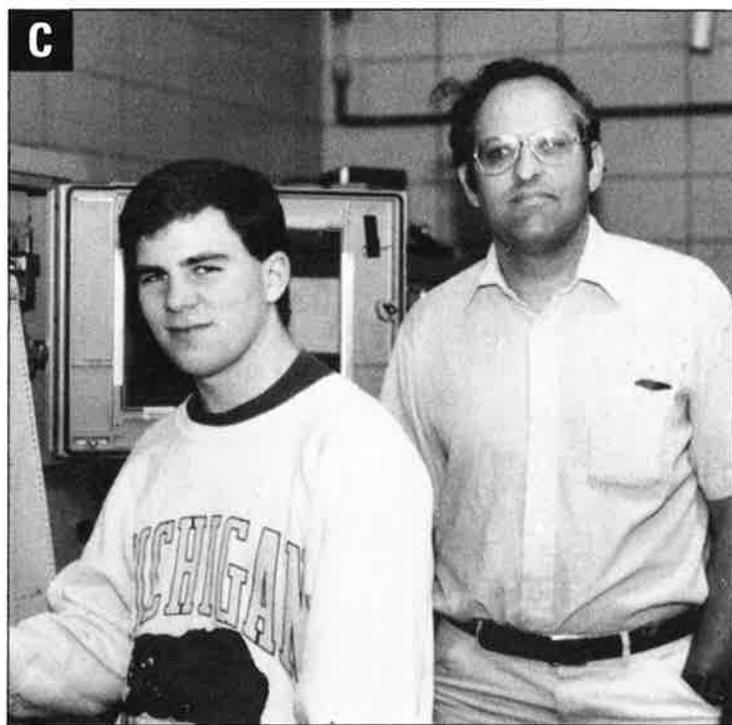
Kevin Huggins of the University of Colorado-Boulder is excited about having hands-on experience with superconductors. Working under Douglas Finne-more, Huggins says he is very impressed by the facilities at the Lab and the opportunities it provides students. The

presentations made by the instructors and graduate students during the training orientation were excellent. "My experience at the Ames Laboratory will definitely help me. Now I have a better idea what I'd like to study in my graduate program," he says.

Coming from the Denver metropolitan area, Huggins says he likes small-townish

Ames and Iowa. "I have never been in Iowa before and I like being able to get around so easily." He also likes the family-like informal atmosphere that encourages interactions with people at all levels within the Lab.

Joseph Holmes, Jr. of North Carolina State University says that his brief stay at the Lab will go a long way toward improving his future pros-



pects. Holmes is trying his hand at computer modelling under the guidance of David Jiles. "It adds a lot to your resume if you have had experience in the prestigious Ames Laboratory of the Department of Energy. It is also good to have out-of-state experience. This will definitely brighten my job prospects," Holmes says with a smile. □

A. Phillip Bazan, right, and group leader Rick Schmidt, precipitate various metal hydroxides which are spray dried to form spherical oxides; B. Mark Miesch, seated, and scientist James Evans, study computer simulations of surface reactions; C. David Glick, left, and group leader, Joseph Shinar, measure optical absorption on a Cary spectrophotometer; D. Summer Student Trainees: 1. Phillip Bazan (Rick Schmidt), 2. Bradley Delahunty (Scott Chumbley), 3. Frederick Yeh (Don Thompson), 4. Joseph Holmes, Jr. (David Jiles), 5. Lloyd Allen (Walter Trahanovsky), 6. Anastasia Smith (Marc Porter), 7. Jennifer Gage (James Fritz), 8. Ronald Smyczek (Sam Houk), 9. Daniel Tomaschko (David Birlingmair), 10. Glen Southard (John Verkade), 11. Chad Hoppe (Bill McCallum), 12. Michael Rider (Royce Winge), 13. Chris Hoffman (Bill McCallum), 14. Kevin Huggins (Douglas Finnemore), 15. Mark Miesch (James Evans), 16. Hiaj Vahora (Bill Spitzig), not pictured: David Glick (Joseph Shinar), Karl Kehm (Robert Leacock), Adam Lang (Rick Schmidt); E. Jennifer Gage tests new complexing reagents; F. Chad Happe, left, and Chris Hoffman, right, with group leader Bill McCallum, use drop tube for preparing a high temperature superconductor.

Group Photos



Scientific Division

Employee Of The Year Award

What is an ideal co-worker? If you had a problem, what kind of a person would you want to help you? How about one who is loyal and caring and gives that little something extra that can make such a difference: a person who is concerned about YOUR needs.

Rhonda Hill is just such a person. She was recently selected as the Employee of the Year within the Administration Division. John Eckert, Associate Director of the Administration Division, presented the award to her at a meeting of the division on May 29.

"The award is given to someone who gives extra-meritorious service to employees of the laboratory and IPRT," Eckert explains.

"Rhonda consistently goes out of her way to be helpful. Her enthusiastic assistance makes her a valued employee and very deserving of this award."

During the award ceremony, Hill received a plaque engraved with her name and the date. The award is a travelling award, and each year the names of future winners will be added. The award will be placed in the winner's office for the first six months, and then it will be put in a prominent location in Spedding Hall for the next six



Rhonda Hill is awarded the Employee of the Year Award by Associate Director of Administration, John Eckert (left), as Jerry Jenison, personnel officer, looks on.

months.

Hill came to the Ames Laboratory in July, 1985, and is a secretary in the personnel

office. Prior to coming to the laboratory, she worked for four years in the Iowa State University personnel office.



Administration Division

Jerry Jenison, personnel officer, says, "Rhonda has a natural personality for working in a service office and with other people. I'm very happy to have her on our staff."

A native Iowan from Manson, Hill lives in Sheldahl, a town of 300 people. Her husband, Morey, is serving his second term as Sheldahl's mayor in addition to his regular job as a salesman for Central Iowa Farm Services.

Her two daughters, Meghan, four-years-old, and Dana, two, love to go for bike rides. Seats on mom's and dad's bikes give them a bird's eye view of their surroundings.

With two active daughters, Hill doesn't have much time for sewing, one of her favorite activities, but she does take time for a ceramics class.

Cyclone wrestling is a favorite winter activity.

Hill is definitely a people-person; the personnel office is the perfect place for her to work. She is good at making new employees feel comfortable and enjoys interacting with everyone. □

➤ **NEW** / Continued from Page 7

Janet Ostenson,
Typist Clerk
(Doug Finnemore)

Anil Prabhu,
Student Associate
(Robert Brown)

Michael Rider,
Summer Student Trainee
(Royce Winge)

Alan Russell,
Associate
(Scott Chumbley)

Joe Senesac,
Student Associate
(John Corbett)

Anastasia Smith,
Summer Student Trainee
(Marc Porter)

Ronald Smyczek,
Summer Student Trainee
(Sam Houk)

Glen Southard,
Summer Student Trainee
(John Verkade)

Christine Stultz,
Research Helper
(Bill Case)

Kory Sylvester,
Student Associate
(Robert Brown)

Andrew Thom,
Graduate Assistant
(Mufit Akinc)

Daniel Tomaschko,
Summer Student Trainee
(Del Bluhm)

Jody Tuecke,
Custodian Helper
(Lynn Runge)

Constance Vaclav,
Programmer Analyst III
(Frank Carlsen)

Itiaj Vahora,
Summer Student Trainee
(Bill Spitzig)

Jennifer Walker,
Research Helper
(Martin Edelson)

Hui Wang,
Graduate Assistant
(Ferdinando Borsa)

Frederick Yeh,
Summer Student Trainee
(Don Thompson)

Facilities Services will continue to provide as much advance notice as possible for planned utility shutdowns. Unfortunately, the recent electrical outages have been outside our realm of control. The outage on July 10, 1990 was caused by a curious and lately deceased squirrel who crossed paths with a transformer. Several earlier outages were lightning related. Not only are outages like this beyond our control but they are also outside the control of the City of Ames. Therefore it is impossible to provide advance notice or even estimate their frequency.

We realize computer and scientific equipment do not respond well to power outages but at the present time we have very few options. The only real solution to an intermittent power supply is an Uninterruptible Power System (UPS); however, they are expensive.

Contact Facilities Services or Engineering Services for more information on UPS.

Ames Laboratory group photos (8" x 10" glossy print, see pages 4 and 5) may be ordered for \$1.50 each from Donna Millang, Office of Information, 4-1856. Please specify whether you want the scientific or administrative photo.

The Office of Information has a subscription to WordPerfect Magazine available. Stop in at 201 Spedding to borrow the magazines.

A laptop computer is now available for check-out at the storeroom window.

COMPUTER SECURITY

This article starts a series on the proper care of diskettes. The following is from *HP PROFESSIONAL* with permission of Professional Press, Inc., 101 Witmer Rd., Horsham, PA 19477, November, 1989. You already know what a diskette is, but if you're new to desktop computing, you may not know how sensitive this media can be.

The diskette is a thin, flexible or rigid, mylar disk with a magnetic oxide coating. The data is recorded on this coating.

The flexible diskette is usually 5 1/8 inches in diameter and is enclosed in a 5 1/4 inch square jacket. The rigid diskette is 3 1/2 inches. The interiors of the jackets of both are lined with a low-friction coating that traps dust

particles to help keep the diskette clean.

The diskette must be handled and stored properly to avoid loss of the recorded data. A damaged or contaminated diskette can impair or prevent recovery of data and could damage the equipment. Sometimes the data is there but a damaged diskette prevents it from being retrieved.

PROTECTING YOUR DISKETTES

To protect your diskettes follow these guidelines.

1) Diskettes are very delicate. They can be damaged by dust, liquid, wear or electrical interference. Damage on an important spot on the diskette can cause chaos. If a speck of dust caused a bit to be deleted or changed in the file directory, that file can't be retrieved

and is lost forever (always have a backup copy). If this happens in a program, it could render the program useless. Also, damage done often isn't found until much later when you no longer remember what could have caused it. At that point, the problem is often blamed on the hardware, bad programs or any number of harder-to-fix alternatives, which can cost you a lot of money in unneeded repairs. 2) Always place the diskette back in its protective envelope after use. It is best to store them in a plastic diskette box made specifically for their storage. Most diskette boxes state the maximum number of diskettes they hold. The low-friction coating inside the square jacket traps dust and smoke particles to keep them from getting on the diskette itself. When crowded, such as

stuffing more than the maximum number of diskettes into a box, the pressure exerted forces the dust particles onto the diskette. For this reason, never stack your diskettes or set anything on top of them, and don't use paper clips or rubber bands with them. Stacking diskettes also can cause them to warp. 3) When labeling diskettes, write on the label first, then put the label on. Never use a pen or pencil that can leave indentations on the diskette. Pencils leave graphite particles that can cause damage at a later time and erasers will also leave particles on the disk. If you must make a change on a diskette label already on the jacket, use a felt-tip pen, press very lightly and don't rest your hand on the diskette while doing so. Continued next month. □

NEW EMPLOYEES

Lloyd Allen,
Summer Student Trainee
(Walter Trahanovsky)
Nancy Anderson,
Administrative Assistant
(Andrew DePristo)
Carol Armstrong,
Associate
(Edward Yeung)
Timothy Aspengren,
Carpenter
(Ralph Appelgate)
Rebecca Baker,
Associate
(David Johnston)
Kevin Bockenstedt,
Research Helper
(Hugo Franzen)
Donna Breitbach,
Research Helper
(Rick Schmidt)
Adjay Chahal,
Research Helper
(Tom Wheelock)

Nai-Ho Cheung,
Visiting Scientist
(Edward Yeung)
Yin-Shan Chow,
Student Associate
(Diane Rover)
Bruce Davis,
Research Helper
(Martin Edelson)
Bradley Delahunty,
Summer Student Trainee
(Scott Chumbley)
David Edsall,
Research Helper
(Eli Rosenberg)
Adam Ewearitt,
Student Associate
(David Torgeson)
Louis Fishman,
Visiting Scientist
(James Coronos)
Jennifer Gage,
Summer Student Trainee
(James Fritz)

Jill Gallagher,
Typist Clerk
(Jerry Jenison)
John-Bruce Green,
Research Helper
(Joseph Shinar)
Camillus Griffin,
Clerk II
(Douglas Finnemore)
Robert Hammer,
Environmental Systems
Mechanic
(Ray Gress)
Joseph Holmes,
Summer Student Trainee
(David Jiles)
Chad Hoppe,
Summer Student Trainee
(Bill McCallum)
Kevin Huggins,
Summer Student Trainee
(Doug Finnemore)
William Johnston,
Research Helper
(Eli Rosenberg)

Karl Kehm,
Summer Student Trainee
(Robert Leacock)
Paul Lane,
Graduate Assistant
(Joseph Shinar)
Adam Lang,
Summer Student Trainee
(Rick Schmidt)
Seungkoog Lee,
Graduate Assistant
(Bing-Lin Young)
Lyle Lichty,
Associate
(David Torgeson)
Mark Miesch,
Summer Student Trainee
(James Evans)
Jeffrey Moehlis,
Research Helper
(Martin Edelson)
George Murray,
Associate Chemist
(Martin Edelson)

NEW / Continued on Page 5 ⇨

Cap Retires After 39 Years

Jennings Capellen, better known as 'Cap' to his friends, retired in June after over 39 years of service.

An assistant chemist, Cap was most recently a staff writer for the RIC NEWS, the monthly rare-earth newsletter with a circulation of over 10,000 in 80 countries. "I've been very happy writing for such a prestigious publication," Cap says. "My associations have given me many opportunities to interact with people from various parts of

State College in 1950 to study chemical engineering. Soon after he graduated, he joined the Ames Laboratory.

"Some of my most cherished memories are my associations with scientists like Frank Spedding," Cap says, musing over the past. "Dr. Spedding's visits to our Lab to inquire about the progress made on a task are clearly etched in my mind." Cap also recalls how thrilled he was when he first saw his name appear in a scholarly publication dealing with high-tech research in lasers.



Jennings "Cap" Capellen and his wife, Georgia, admire his retirement cake.

the world."

Cap has a tip for anyone involved in science communication. "Understand the subject well, and when you write, use simple English. Do not embellish it or complicate it; it could confuse the readers."

Originally hailing from Nebraska, Cap came to Iowa

Cap's wife, Georgia, is looking forward to his retirement. They plan to visit their daughter and her family in Missouri and will travel to other parts of the United States. An avid lover of the outdoors, he also plans to visit Canada and Alaska to do some fishing and camping. He will devote some of his time to

social services and plans to enroll as a senior citizens volunteer. Asked if he plans to do anything else, Cap

bursts into laughter and says, "Just enjoy, relax and play with our grandchildren." □

Link Retires

Dale Link, facility mechanic in the Maintenance Shop retired in June after working at the Ames Laboratory for seven years.

"I worked mainly in the Carpenter Shop but my assignments have taken me all around the Lab. My colleagues are great people and I've enjoyed working with them," says Link with a smile.

An Iowan and part-time farmer, Link joined the Lab when his farm operation became too big for him and he turned it over to his daughter and son-in-law.

"Spending time will be no problem because we have



Dale Link

seven grandchildren. I enjoy playing with the children of our two sons and one daughter," he says. Link plans to travel with his wife, Betty, to the East Coast to visit his sister. During the harvest season he will help his daughter and her family on the farm. □

AMES LAB INSIDER

Volume 1/Number 7/July 1990

Ames Lab Insider is published 12 times a year for the employees of the Ames Laboratory by the Office of Information. Ames Laboratory is operated by Iowa State University for the U.S. Department of Energy under Contract W-7405-Eng-82, and is part of the Institute for Physical Research and Technology federation.

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Address correction requested
P-208-9