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INSIDER

Newsletter for the Employees of Ames Laboratory ■ Volume 2, Number 10 ■ October 1991



 A DOE Tiger Team of about 25 experts and consultants will spend three weeks at Ames Lab next February.

 The Tiger Team will assess in minute detail all aspects of the Lab's compliance to DOE orders and statutes.



WHAT SHOULD I DO?:

- 1) As an employee you must attend an all-Lab forum to become acquainted with issues and requirements. **THE FORUM IS MANDATORY.** See Bulletin Board for date and time.
- 2) Enter the Lab's Find-A-Fault contest and win a \$100 savings bond. See back page for details.
- 3) For more information, read "Tiger Tales" feature on back page.

There's a Way

Special Funds Support Innovative Research

It's no secret, but a lot of Ames Lab scientists don't know about it. Support for imaginative and inventive ideas is possible through the Research and Development Exploratory Fund (R&DEF). Authorized by the DOE in 1984, this unique program promotes exploration of creative concepts.

The R&DEF allows the director of a government-owned, contractor-operated (GOCO) laboratory to allocate a portion (currently a 2% maximum) of operating funds for investigation of new and innovative science that falls within the confines of the Laboratory's missions. Certain restrictions do apply. R&DEF funds may not be used to:

- (1) Substitute for or increase the funding of tasks otherwise funded by DOE or by any other user of the Laboratory.
- (2) Fund a hardware project to a point which will require significant future funding to recover the value of current expenditures.
- (3) Fund construction line-item projects.
- (4) Fund facility maintenance.
- (5) Fund capital expenditures.

The most important of these restrictions is the first one. R&DEF funds may not be used to add to the budget of already funded projects or for obvious extensions of those projects.

The importance of the R&DEF is twofold. Not only does it stimulate Laboratory growth in a variety of areas, but it encourages and backs the kind of independent thinking, initiative and ingenuity that lead to productive science and future technologies, according to Ames Lab Director Tom Barton. The Lab funded nineteen R&DEF projects in FY 1991, an acknowledgement of the need for and validity of the program.

"The R&DEF funds received this year allowed us to start investigating the consolidation of ceramic powders into dense compacts by hot isostatic

pressing," says Senior Metallurgist William Spitzig. "This initial investigation provided information essential for future studies that anticipate a shift of emphasis to ceramics and ceramic composites in Materials Sciences."

Safeguards and Security Program Director and previous R&DEF recipient Martin Edelson agrees that the availability of the R&DEF gives researchers the chance to explore new things, but also believes that it serves another useful purpose. "It offers the Laboratory director and executive council the opportunity to have some influence on the direction research is moving at the Lab, helping advance a primary Laboratory mission of conducting research that aids in solutions to issues of national concern."

"It is truly new and innovative science that affords the potential for Laboratory expansion that we seek," emphasizes Barton. "R&DEF seed grants offer a mechanism to stimulate involvement in new areas where the Lab can make significant contributions. What we don't want to see are proposals which are really minor modifications of what we are already doing. This is a chance to really step to or beyond the forefront of your area of science and try something wild," he stresses. "The kind of proposals we truly want to see probably have a greater than 99% chance of failure, but success would bring about Nobel Prize consideration—high risk, high payoff!" ■

How to Apply for an R&DEF Grant

- 1 Pick up proposal forms from Kathie Hawbaker in the Director's Office, Room 109 Office and Lab. At least one P.I. must be an Ames Lab employee.
- 2 Get appropriate program director endorsement. Endorsement can only be made if the proposed work is clearly not part of an ongoing funded project.
- 3 After the budget is approved by Accountant Ila Haugen, submit the proposal to the Director, Room 109 Office and Lab by November 1 for funding in FY92. A second round of proposals for FY92 funding will be accepted up to February 1.
- 4 Provide details or clarification as requested by the Director and Associate Director for Science and Technology who review the proposals. The ultimate decision on funding of any R&DEF proposals will be made by the Director.

Involved in Evaluation



Computer Experts From the U.S. and Japan Participate in a Supercomputing Workshop.

Hawaii isn't all sand and beaches. From August 11-14, it was also supercomputing and benchmarks when Ames Laboratory coordinated a high-level U.S.-Japan supercomputing workshop as part of the U.S.-Japan Science and Technology Agreement. At the workshop six U.S. and five Japanese computer experts discussed standards and techniques for evaluating high-performance computers.

Ames Laboratory Computational Scientist John Gustafson was one of only three U.S. scientists to present new computer evaluation systems to the Japanese scientists. Gustafson presented SLALOM, a performance evaluation benchmark developed at Ames Lab. ■

Ames Lab Captures Three Coveted R&D 100 Awards

This year Ames Lab won three R&D 100 Awards from Research and Development (R&D) Magazine, a remarkable feat for any laboratory, especially one of our size. R&D Magazine gives the awards annually for the 100 most significant new technologies of the year.

"For Ames Lab scientists and engineers to win three R&D 100 Awards in a single year is both an unprecedented and truly meaningful event," says Director Tom Barton. "It dramatically reaffirms our conviction that the Ames Lab can both develop international-class, fundamental science and translate it into 'real-world' technology for the benefit of the American public."

ISU President Martin Jischke accompanied the Ames Lab winners and an R&D winner from ISU's biotechnology program to a black-tie reception and banquet held in Chicago on September 19 to accept the awards. Photos depicting the winning products were displayed at the banquet and will remain on display at The Museum of Science & Industry in Chicago for 30 days. An estimated 300,000 people will tour the R&D exhibit. Another Ames Lab display is also a part of a traveling DOE exhibit on the R&D Awards won by DOE facilities.

"For Ames Lab scientists and engineers to win three R&D 100 Awards in a single year is both an unprecedented and truly meaningful event."

—Tom Barton



Clockwise from bottom: Diane Rover, Michael Carter, John Gustafson and Stephen Elbert.

Elbert, chemist, **Diane Rover**, former postdoctoral fellow and now an assistant professor of electrical engineering at Michigan State University, and **Michael Carter**, graduate assistant, won for SLALOM which stands for Scalable, Language-independent, Ames Laboratory, One-minute Measurement. A new computer evaluation system, it provides fast and accurate comparisons of different computers, independent of their languages, designs, speeds or architectures. The system can compare machines as different as a personal computer and a supercomputer and do justice to both. Instead of measuring how quickly a computer can solve a given problem, SLALOM measures how precisely a computer can solve that problem in a given amount of time.

Iver Anderson, senior metallurgist, and **Barbara Lograsso**, associate metallurgist, received an R&D Award for designing and developing a way to improve the permanent magnets that help power electric motors in machines ranging from automobiles to videotape recorders to computers. The process, known as High Pressure Gas Atomization (HPGA), blasts molten metal into a powder form that can be bound together to



Barbara Lograsso and Iver Anderson

form complex structures that are stronger and more resistant to corrosion. Since the spherical powders are ideal for packing and densification, the high performance magnets prepared from the powders also have high mechanical strength. This aspect of the powders makes it possible to form super magnets in complex shapes.

The Lab received an R&D 100 Award last year for the thermite reduction process used for making rare-earth-iron master alloys which are used to produce super magnets. Both licensed to Edge Technologies, the thermite reduction process combined with HPGA make a great package for producing these magnets while cutting energy consumption and waste.

Contributing substantially to the development and licensing of this technology, the Center for Advanced Technology Development (CATD) shares these R&D awards.

Ed Yeung, program director for Environmental Sciences, received an R&D Award for a new device known as the Microfluor Detector that allows scientists to precisely analyze the chemical composition of samples as small as a single cell. By looking at the chemical components of cancerous cells, it may be possible to search for these components in other cells and detect cancer



Ed Yeung

sooner. The detector can also help map out the human genetic makeup to determine if people carry genetic diseases or are likely to develop them, speeding up research on repairing genetic defects. It can precisely analyze a sample 50 times smaller than those required by other instruments. Yeung's detector is easy to use, cost-effective and can operate in a fully-lighted room. This is the second R&D 100 Award Yeung has won for a laser analysis device. ■

Eight R&D 100 Awards Since 1984

Including this year's recipients, the Lab has won eight R&D 100 Awards. Winners prior to 1991 were George Holland, John Homer, and Walt Struve for Video Voice in 1984; John McClelland for the Photo-acoustic Cell in 1985; Velmer Fassel, Art D'Silva and Gary Rice for the Helium Afterglow Discharge Detector in 1986; Ed Yeung for the Micropol LC Detector in 1989; and Rick Schmidt, John Wheelock and David Peterson for the Thermite Reduction Process in 1990.

1991 Winners

John Gustafson, computational scientist, **Stephen**

Tinkerer Extraordinaire

"I've always been a tinkerer," says Associate Chemist Fran Laabs, who supported himself as a garbage hauler and mechanic during his college years. "By the time I got out of school, I knew a lot about people and how they live. I was also a full-fledged journeyman mechanic with General Motors training and certification."

Educated primarily in electrical engineering, Laabs had the background the Lab was looking for 25 years ago when there was a need for someone to operate and maintain the electron microprobe. He stayed in the area of electron beam instrumentation and performs microanalysis of samples with the scanning electron microscope. "Research fits the sort of thing I like to do and that's tinker and improve on what I've done," Laabs says.

But Laabs did not always want to be a scientist. "I wanted to be an airplane pilot or a farmer," he notes, "but neither seemed practical or likely in the 50s, so I went to school instead."

Keeping one of his dreams alive, Laabs earned his private

pilot's license in 1985 and regularly flies twice a week in the four-passenger Piper Tripacer that he completely restored. "It's a tube and fabric plane, made of welded steel tubing and covered with a dacron cloth," explains Laabs. After three years of work, he first flew the restored plane on July 4, 1990. Always the tinkerer, Laabs says he might build an airplane from scratch. "It's getting to be a serious maybe, but that's a six-year project," he declares. "The new plane would be fully aerobatic, capable of performing maneuvers like loops and rolls."

Building a plane should be a breeze for Laabs, who built his own home with absolutely no experience. "The ISU Parks Library was my source of information," says Laabs. "It was fun!"

What more can this man do? He's a woodworker and an oil painter. Laabs builds picture frames, desks, tables and cabinets, preferring native woods like walnut and oak. He and his wife Alice took up oil painting when they needed some pictures for their new home. "We took a couple of classes and painted our own pictures," says Laabs.

A multi-talented individual, Laabs still insists, "I'm a plain vanilla person." If so, he's certainly added a variety of toppings! ■



Fully restoring this Piper Tripacer, Fran Laabs now looks forward to a new challenge—building an airplane from scratch. He may take up sky diving just to add to the fun.

Making Things Happen

"The most important lesson I've learned is that my life requires a healthy balance of work, helping others and doing something for myself," says Karen Phillips, program assistant for Environmental Technology Development. "Achieving that balance is a slow process; I've discovered you have to make things happen."

Phillips readily admits she did not always have that kind of commitment. "I was a rebellious teenager needing a better outlook on life. My mom, my sister and I got involved in Transcendental Meditation when I was 15," she says. "It improved our attitudes and helped us to better resolve daily conflicts. The three of us became very close. I've meditated twice a day for the past 18 years."

Through meditation Phillips discovered more about herself and learned that making things happen was the best way to get them done. This philosophy led her to the hobby she enjoys most—helping others. Involved in volunteer causes, she has the perfect opportunity to make things happen.

A Hospice volunteer for four years, Phillips works through the Homeward/Hospice program at Mary Greeley Medical Center. She works only with the terminally ill, a choice she made as a result of struggling through the dying process with her mother, her mother's best friend, and her close friend and Ames Lab co-worker, Bob Krueger. "After those experiences, volunteering for the terminally ill seemed the right choice to make," says Phillips. "It wasn't easy to do, but I could do it."

Phillips finds she performs a



Karen Phillips poses in costume after singing and dancing her way through a performance of "In Stitches."

wide variety of services for the patients she helps, everything from grocery shopping to just sitting and listening to them talk. "Oftentimes people will talk more easily with me about their approaching death than they will with family members. They don't want to make their family uncomfortable by talking about death, but at the same time they need to share their feelings and fears with someone," she explains. "As an outsider I try to make both the patient and the family more comfortable with the emotions they are experiencing."

Phillips says the weekly time she devotes to Hospice duties depends on the case and individual patient needs. After receiving her patient assignment, she starts out seeing the individual once a week; that time usually increases as the patient's health declines. All patients receiving Phillips' volunteer services are diagnosed as having less than six months to live. There is joy when they live beyond the time expected, but inevitable grief when they die. "I get close to them and am sad and broken-hearted when they go," Phillips says. "At that point I take some time off from volunteering before I involve myself with

another patient."

In addition to Hospice, Phillips donates her time to the AIDS Coalition of Story County for which she will be co-chairperson in November. Participating in the AIDS Buddy Program, she took very intensive, formal training in which volunteers must explore all their prejudices and fears of diseases and work through any unresolved grief. "The training focuses on the point of view that the healthier you are, the better able you are to help your buddy," emphasizes Phillips. Involved in the Buddy Program for four years, Phillips recently participated in "In Stitches," a musical review and fund-raiser for the AIDS Coalition of Story County. Proceeds from the review will be used to bring the "NAMES Project AIDS Memorial Quilt" to Ames in November.

Besides Hospice and the Buddy Program, Phillips enjoys some more light-hearted interests that include singing, rollerblading, rock climbing, kayaking and white-water rafting. She loves cats, especially her own, Hannah and Paddington. "I like cats, but I'm not a cat-stuff person," she laughs. "I don't keep little cat knickknacks or calendars around my home or office."

One of Phillips' more unusual pursuits is learning drumming and ceremonial dancing from a Native American medicine woman. Recently initiated as an honorary medicine woman, Phillips says she has learned many coping skills that better prepare individuals to face the fast pace of today's society. "Our battles today are those that result from office grind and stress," she says. As an extension of her interest in Native American folk medicine, Phillips occasionally helps teach workshops on Native American spirituality.

Full of energy, Phillips is excited about her new position as program assistant for the Lab's Environmental Technology Development program. With a double degree from the University of Iowa in Broadcasting/Film and Journalism, she looks forward to scripting and helping produce mini-tapes as part of her program assistant duties.

With her "let's get involved in things" attitude, it's a safe bet that Phillips will tackle her new responsibilities in style and continue to make things happen. ■

Mustangs to Motorcycles

"It was a cute, sporty car and I was 19," laughs Sandi

Bishop, secretary for associate directors, Rollie Struss and John Eckert.

That was how Bishop recalled her first Mustang, a 1964 1/2 she talked her father, "a Ford man," into helping her buy. "I still have it; the interior is almost perfect," she says.

Restoring the car will be a future project for Bishop and husband Bill, who have already restored a '72 Mustang Special Edition Sprint, a '73 Mustang

coupe, a '70 Chevelle and a '32 Model A. "The Sprint had the original white upholstery; I scrubbed every inch of it," claims Bishop. "I used bleach, cleanser and a lot of elbow grease!"

The end result seems worth the effort—beautiful cars made new again that Bishop and her husband enter in about six shows a year. Last month Bishop drove their blue '73 Mustang convertible in Boone's Pufferbilly Days parade.

A firm believer that "a thing of beauty is a joy forever," Bishop is also an avid collector of antique furniture and dishes. Filled with gorgeous pieces beautifully restored by Bishop and her husband, their home is like a step into yesterday. A huge, old china cabinet holds Bishop's rare and prized collection of 100-year-old Moss Rose ironstone china. "I use these dishes like people use good china, for holidays and special occasions," says Bishop. "I also have a collection of 100-year-old white ironstone china. Those are the dishes we use every day."

Throughout her home Bishop keeps the past alive. The stairway leading to the upstairs bedrooms is adorned with an array of photographs of family members, wedding pictures of parents and grandparents,

graduation pictures, prom pictures and baby pictures. The old mixes in with the new to create a pictorial history. There is even a place for her grandfather's baptism and confirmation certificates. Over a hundred years old, the certificates came to the United States when her grandfather left Germany and are now lovingly displayed as part of Bishop's family history.

Appreciating the beauty of things past and sensitive to the preservation of history, it seems strange that Bishop, the youngest of three daughters, grew up a tomboy. "I was my father's only son," she jokes.

Perhaps it was her tomboy beginnings that led to her love of motorcycles. "My husband Bill taught me to ride on a '61 single-cylinder BMW, a classic machine," she says. "I dumped it while learning; Bill picked the motorcycle up first and then me!"

Today Bishop has a 750 full-dress BMW that weighs about 500 pounds. She and Bill have toured the entire continental United States by motorcycle. "We also rented motorcycles to ride while we were in Hawaii," she adds. ■



Driving a convertible is cool; driving a '73 Mustang convertible is class! Sandi Bishop sits behind the driver's wheel of the car she helped restore.

FROM THE EDITOR ...

The *INSIDER* you are reading has a new look. It's printed on recycled paper, has a new design and two new columns. Responding to your requests, we've added a new feature called **INSIDE SCOOP**, which highlights interesting aspects of the lives of various Lab employees. **IN THE SPOTLIGHT** recognizes awards, honors, retirements and other accomplishments. The *INSIDER* staff wants the newsletter to be informative and interesting to read. We invite your comments and suggestions.

FROM THE DIRECTOR'S OFFICE ...

ATTENDANCE IS MANDATORY AT ONE OF THE FOLLOWING ALL-EMPLOYEE TIGER TEAM FORUMS!

Tuesday, October 8, 1-2 p.m. in A114 Gilman
 Tuesday, October 15, 10-11 a.m. in A114 Gilman

The all-employee forums will provide information necessary for each individual in preparing for the Tiger Team visit in February. Read the back page of this *INSIDER* for more information.

MATERIALS SCIENCES PROGRAM REVIEW

The Materials Sciences Program Review, scheduled for October 10-11 in 301 Spedding Hall, will include 30-minute research presentations by Lab scientists. Metallurgy and Ceramics presentations are scheduled on Thursday morning, Materials Chemistry on Thursday afternoon and Condensed Matter Physics on Friday morning. You're welcome to attend. If you'd like information or schedules, please contact:

- Rose Bielefeldt, Metallurgy and Ceramics - 4-4446
- Karen Gilley, Materials Chemistry - 4-7568
- Rebecca Shivvers, Condensed Matter Physics - 4-3481
- Shellie Siders - 4-1490

SHORTAGE OF PARKING

As you may have noticed, there are not enough Ames Lab parking spaces. The Lab has requested additional space from the ISU Parking Systems Office. Since there is a parking shortage University-wide, our request may not be granted.

If you are unable to locate a parking space in the Ames Lab lots, you have the following options:

- 1) Overflow to the north or east into Lots 28, 29 or 30.
- 2) Park in the Iowa State Center lot (free) and walk or take the shuttle to the Lab. (It costs 75 cents for each one-way shuttle trip or you can purchase an annual pass for \$15 from the Parking System Office.)

A recent parking survey revealed that by 9:00 a.m. all the lots were full. If you are unable to arrive by then, you might consider an alternate means of transportation such as biking, walking, car pooling or taking the bus.

SERVICE AWARDS

Nominations for the Lab's annual Superior Service Awards are due by October 31. A \$500 U.S. Savings Bond and a framed plaque are given to a selected merit employee in both the Administration and Operation Divisions. Nominations consist of a primary nomination plus two additional letters of support. Any non-merit employee may nominate a candidate. Nomination forms should be picked up at and returned to the Director's Office. Winners will be honored at the Lab's annual awards luncheon.



Delwyn Bluhm, program manager for Engineering Services, was elected President of the Ames Rotary Club for this year. Rotary International, a humanitarian service organization, has 1.2 million members in 170 countries that belong to 22,000 Rotary Clubs. A member since 1980, Bluhm has attended both national and international meetings.



Scott Thornton, graphic designer, won the Pewter Award (honorable mention) in *Publishing and Production Executive's* National Gold Ink Awards for *INQUIRY*, Ames Lab's science magazine. *INQUIRY* was recognized for the quality of the design, photography and printing and was showcased in *Publishing and Production Executive's* September issue.



Charles Burg, senior research technician, was re-elected to a second term as director of the American Welding Society's District 16 for 1991 to 1994. A member of the organization since 1978, Burg participates both locally and nationally in Society activities.

1991 Iowa Games



Leland Swanson, postdoctoral fellow, and his wife, Michelle Detty, an auditor for ISU, won Gold Medals in the coed cycling Road Race. They each raced a 25-mile lap beginning in Boone, looping around Pilot Mound and back to Boone. The route included the long, notorious Pilot Mound hill. "It's the toughest hill I've ever climbed," says Swanson. "Bikers rate all hills against the Pilot Mound hill—half of Pilot Mound or one-third of Pilot Mound." Swanson and his wife spent many enjoyable hours riding and training for the race.

Distinguished Professor Emeritus Will Not Retire From Science

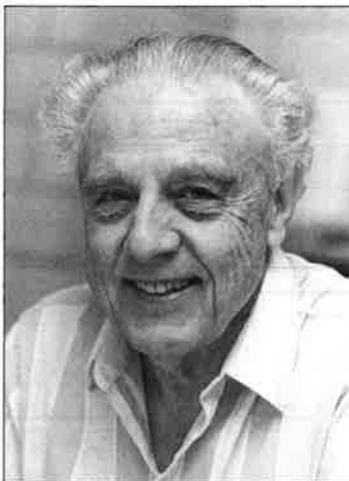
Klaus Ruedenberg once worked as a postdoctoral fellow under one of the world's foremost molecular theorists; today he, himself, is a preeminent scientist in quantum chemistry. Retiring from his ISU teaching duties in July, Ruedenberg will continue his research at the Lab.

Born in Germany, Ruedenberg earned his M.S. in chemistry and mathematics from the University of Fribourg, Switzerland, and a Ph.D. in theoretical physics from the University of Zürich, Switzerland. In 1948, he went to the University of Chicago where he later became a postdoctoral fellow under Robert S. Mulliken, a leader in the then new field of quantum chemistry. Mulliken went on to win the Nobel Prize in chemistry in 1966. Ruedenberg came to Ames Lab and ISU's Chemistry Department in 1955, the year he became a U.S. citizen.

Letters received from colleagues around the world upon his retirement include accolades such as: "one of the great pio-

neers of quantum chemistry, without whose contributions our field would have been much less developed"; "massive impact on the chemical community"; "great influence on the conversion of quantum chemistry into a quantitative tool"; "his career contains a number of ingenious solutions to technical problems"; "among the leading contributors in this field"; "large impact on theoretical chemistry"; "unique in his contributions to a real and deep understanding of chemical concepts in terms of sound physical theory"; "has few peers in his amazing ability to extract fundamental chemical concepts from intricate mathematics and physics"; "great inspiration through his insights into chemical problems"; "his achievements illustrate ideals to which many of us strive." Present at an international symposium held in his honor in Ames last May were many of the world's top quantum chemists.

Ruedenberg's honors include



Klaus Ruedenberg

being a Fellow of the American Physical Society, a Fellow of the American Association for the Advancement of Science, a Fellow of the American Institute of Chemists, a Guggenheim Fellow, a Senior Fulbright Scholar and being a member of the select International Academy of Quantum Molecular Sciences. He is also a recipient of the Midwest Award of the American Chemical Society and of two

honorary Ph.D.'s in sciences, one from the University of Basel, Switzerland, the other from the University of Bielefeld, Germany.

For seven years, Ruedenberg has been editor in chief of *Theoretica Chimica Acta*, which has become a prestigious and influential journal under his leadership.

Ruedenberg and his wife, Veronika Kutter, have four children living in Minneapolis and New York. She is the founder and former owner of the Cheese 'n' Puppets store, co-founder of the Octagon Center for the Arts, the annual Art-in-the-Park, and the weekly Ames Farmer's Market. The Ruedenbergs have revisited their homelands, Germany and Switzerland, respectively, many times.

Planning ahead for more leisure activities, they hope to spend more time at their cabin on Lake Kabekona in northern Minnesota. "We've been building it for 20 years," Ruedenberg smiles. "It's almost done." ■



Tiger Team Review: How to Succeed or Fail

In February of 1992 the Ames Laboratory will be the object of a DOE Tiger Team review. About 25 experts will spend three weeks examining in the greatest detail virtually all aspects of Ames Lab operations to determine whether or not we are in compliance with statutes or DOE orders in the areas of environment, safety and health (ES&H). To prepare for this visitation and the future beyond, we must, as in all endeavors, establish what defines success and what constitutes failure. Perhaps it is easiest to examine the path to failure. We will fail if we view this as a silly exercise which we must go through, take our lumps, and then go back to business as usual. We will fail if we do not recognize that not only is it possible to carry out our scientific and engineering missions in a fashion that satisfies environmental, safety and health requirements, it is essential that we do so. We will fail if we do not completely and wholeheartedly adopt the attitude that ES&H is important for its own sake and that violation of ES&H codes is not only illegal, but also immoral.

There will be those who feel that we must expend great efforts in preparation for the Tiger Team's review because a poor performance could result in part or all of our operation being shut down by DOE.

As motivating as that possibility can be, I am convinced that if we employ it as our sole motivating factor we are doomed to no real improvement in our future operations. We must rid ourselves of the false macho attitude that implies it is somehow "cool" to conduct our operations in a manner oblivious to danger to ourselves or others. If we think that adherence to some onerous safety regulation impedes our research progress, imagine how much more so the effect of a death or maiming injury.

We must enter this period with thoughts and plans for success. We must recognize and welcome this as an opportunity to rid ourselves of the sloppy habits which we have allowed to enter our laboratories, shops and offices; to learn of advances in safety and health practices of which we can avail ourselves; to bring environmental concern from lip service to practice; and to come to the realization that we are all on the same team and that in February a group of experts is coming to help us achieve our mutual goals.

Welcome to the "Ames Lab Tiger Team;" I look forward to working with each and every one of you.

Tom Barton

Win a \$100 Savings Bond!

Join the Cause, Avoid the Claws Enter the Find-A-Fault Contest and Help Tame the Tigers

Preparing for the Tiger Team visit in February is a serious Lab-wide endeavor. It requires team effort and a cooperative attitude to produce positive results. Toward that goal, the Director's Office is sponsoring a contest and offering up to fifty \$100 savings bonds to employees who identify significant environmental or safety faults within Ames Lab that need correcting.

From now through December 31, savings bonds will be awarded each month for the most significant findings. Watch for and be aware of environmental hazards or safety violations that are threats to the welfare of Laboratory employees or the general public. Types of violations you might look for include electrical and chemical hazards and unsafe practices. Identify real or potential problems and report them. Let's pounce before the tigers do!

Tiger Tamer Guidelines

- 1 Fill out a Find-A-Fault form and drop it in one of the suggestion boxes located in: Spedding (outside the guard office), Wilhelm (near the first floor elevator entrance) and Metals Development (lobby area). Find-A-Fault forms are available next to each box and from the Office of Information.
- 2 Tell us your finding ASAP. The sooner the Lab is made aware of faults, the sooner we can deal with them. You must get your contest entries in by Oct. 18, Nov. 14, Dec. 13 and Dec. 31. No entries will be accepted after Dec. 31.
- 3 Findings do not need to be seen or approved by your supervisor. Employees should not feel uneasy about reporting faults. The Lab encourages and rewards these reports.
- 4 Rollie Struss, Associate Director for Operations, and Lowell Mathison, Manager of Safety, Health and Plant Protection, will review all findings, identifying the ones that merit winning a savings bond.

Remember, you can't win if you don't find a fault. Taming tigers is a tough job, but one that needs to be done.

Let the hunt begin!

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