SANDIA RESEARCHER CHUCK ANDRAKA makes adjustments to a Stirling Energy Systems, Inc. solar dish-engine system installed at Sandia's National Solar Thermal Test Facility earlier this year. Five more will be erected by January as test units. (Photo by Randy Montoya)

Sandia joins forces with Stirling Energy Systems to build, test mini power plant of six solar dish systems

Goal is to deploy solar dish farms with 20,000 units producing energy

By Chris Burroughs

Sandia is joining forces with Stirling Energy Systems, Inc. (SES) of Phoenix to test six new solar dish-engine systems for electricity generation that will provide enough grid-ready electricity to power more than 40 homes.

Five new systems will be installed between now and January at Sandia's National Solar Thermal Test Facility. They will join a prototype dish-Stirling system erected earlier this year, making a six-dish mini power plant producing 150kW of grid-ready electrical power.

"This will be the largest array of solar dish-Stirling systems in the world," says Chuck Andraka (6218), the Sandia project leader. "Ultimately SES envisions 20,000 systems to be placed in one or more solar dish farms and providing electricity to southwest US utility companies."

Sandia and SES staff will work together over the next couple of months to assemble the five new state-of-the-art systems.

Each unit, which consists of 82 mirrors formed in the shape of a dish, will be nearly identical to the system installed earlier this year with some modifications to improve the design. The frame is steel made by Schuff Steel, also of Phoenix, while the mirrors, provided by Paneltec of Lafayette, Colo., are laminated onto a honeycomb aluminum structure invented and patented in the late 1990s by Sandia researcher Rich Diver (6218). The engine will be assembled at Sandia's test facility using parts that were contracted out by SES.

Once the units are installed, Sandia and SES researchers will experiment with the systems to determine how best they can be integrated in a field, as well as improving reliability and performance.

"It's one thing to have one system that we can operate but a whole other thing to have six that must work in unison," Chuck says.

Each unit operates automatically. Without operator intervention or even on-site presence, it starts up each morning at dawn, operates throughout the day, responding to clouds and wind as needed. Finally it shuts itself down at sunset. The system can be monitored and controlled over the Internet. Researchers want to make the six systems work together with the

(Continued on page 4)

Sandia LabNews

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Sandia National Laboratories

Kimberly Adams named new Sandia Human Resources Vice President

Sandia President C. Paul Robinson has named Kimberly Adams the Labs' new Human Resources Vice President, effective Nov. 29.

She currently serves as Vice President of Human Resources Operations for the Lockheed Martin Integrated Systems and Solutions (IS&S) business area, which employs more than 14,000 people across the US. In this role, she provides operational support to the IS&S lines of business and horizontal integration teams.

"Kim has earned a reputation as an exceptional leader in the Lockheed Martin community," says Larry Clevenger, acting Human Resources VP 3000. "I believe she will be a great advocate for our community and will continue to foster the professionalism in human resources that marks our collective endeavors."

KIMBERLY ADAMS

Prior to her current role, Kim was Vice President of Human Resources and Security Operations for Lockheed Martin Management and Data Systems, a $2.3 billion business with more than 9,500 employees. She was responsible for providing strategic direction for a 450-person human resources and security operations organization and for leading human resources initiatives to integrate

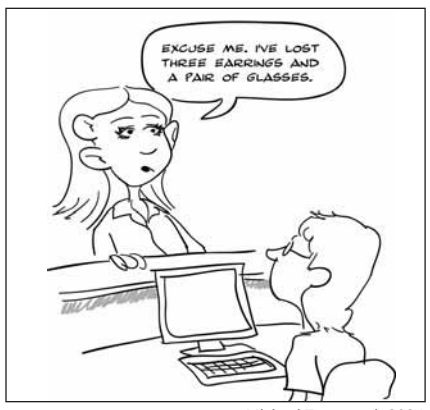
(Continued on page 4)

What's what

With an enterprise like this, you never know what's going to show up or when. Last week it was a couple of *Sandia Daily News* blurbs — prompting a couple of pretty funny comments from readers.

First, Barry Schwartz, manager of Safeguards and Security Assurance, noted that Data Analysis & Visualization was looking for a package that was delivered to Receiving, but subsequently went missing. Tongue firmly in cheek, he asked, "Can't they visualize where it is?"

Then Michael Townsend, a Creative Arts cartoonist currently matrixed to Advanced Simulation and Computing, read that the reception desk in the Bldg. 800 lobby was holding three earrings and a pair of tortoise shell frame glasses. "This is what came to my mind when I read the missing earrings story," he wrote in a note accompanying the cartoon at right. "By the way, I already know I'm weird."



Michael Townsend, 2004

Nothing weird about Michael, but the woman asking about the three earrings and glasses would have trouble buying earmuffs.

* * *

Appreciation of the work of Sandia researchers and the intellectual gratification it brings is terrific. When that work produces tangible advantages useful in the everyday world of everyday people, it's extra-terrific.

A University of Texas-Arlington engineering student from southern India thinks Sandia's work in water management is extra-terrific and said so recently in a woo-hoo e-mail to Neal Singer (12640), who wrote about a water-saving border-area greenhouse project in the *Lab News* (Sept. 3, 2004) and in a news release (http://www.sandia.gov/news-center/news-releases/2004/gen-science/greenhouse.html).

"I was . . . extremely excited after I read what you guys have been researching on water management," Varkey George wrote, explaining briefly that his family are planters who grow vanilla and cardamom, among other things. "It was high time that somebody realized the problem and actually [did] something serious about this. . . . I just wanted to appreciate greatly the person behind this project [because] it would help the developing nations a lot."

He signed off with an enthusiastic: "I think I am getting too excited here. Anyway, I thank you again for the excellent work [and] hope you guys keep at it. I mean, wow!"

* * *

A Halloween definition: Goblin — What you'll be doin' with all that trick-or-treat candy.

And a reminder to set those clocks back an hour after you gobble some of that candy and before you give up for the night Sunday.

Sandia LabNews

Sandia National Laboratories

http://www.sandia.gov/LabNews

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Sandia women do themselves proud in Duke City Marathon

Sandia women won both the full marathon and half-marathon in the women's division of the Duke City Marathon in Albuquerque Sunday morning.


VANESSA BERG

Vanessa Berg, a mechanical engineer in Explosives Applications Dept. 15322, won the women's marathon. Her time of 3:08:12 was more than seven minutes ahead of this year's second-place finisher and shaved more than a half-hour off the time of her 11th-place finish last year.

Jean Herbert, a physical therapist in Health Evaluations Dept. 3331-3, won the women's half-marathon. Laura Draelos (10863) finished second overall in the 5K Walk (racewalk).

The Sandia men's team placed first in the 40-49 age group, with a time of 2:53:12 (third overall), and the Sandia co-ed team placed second in the 30-39 age group with a time of 3:11:23 (10th overall).

Feedback

Why the gate delays?

Q: *Since the middle of September, the early-morning traffic situation entering the Eubank Gate has worsened greatly. Previously, if one came at 6:30 a.m., there would typically be only a few cars queued to come on base. In the last few weeks, however, by this time in the morning, the traffic is now backed up well past Gibson and on some days all the way to Southern or even Central. The situation has been worsened on at least two occasions by a reduction of the inbound lanes from 4 to 3. Time lost waiting to come on base has exceeded 30 minutes on some mornings. When multiplied by the thousands of people who are affected, this represents a tremendous loss of resources. It is also very demoralizing to have to waste time like this when we are all so busy (and coming in very early). Granted one can come in at 6:15 a.m. and find relatively little traffic and the associated delays, but this is undesirable. Also, the Eubank Gate opens at 6:00 a.m., so there isn't much margin left. What is being done to improve this situation?*

A: The USAF is responsible for access to Kirtland Air Force Base and controls the Eubank Gate as part of those responsibilities. The Sandia Protective Force helps the Air Force but there are legal restraints that prohibit exclusive Sandia control. The Protective Force Officers can and do provide additional support to the USAF in staffing the Eubank Gate to facilitate peak traffic flow. The original agreement was for the AF to staff two traffic lanes and Sandia staff the remaining two lanes during peak hours. On occasion competing staffing demands has resulted in the AF being able to deploy only one military security police officer. When that happens the fourth lane is not opened, causing the problems you mention. The AF has agreed to increase efforts to ensure appropriate numbers of personnel are available to staff the Eubank Gate; however, we must keep in mind that post-9/11 and the Iraqi War stress manpower requirements and require prioritization of limited resources. On occasion traffic delays at the Eubank Gate may occur. In those instances, Sandia will do all it can to help with temporarily staffing if only one military security police officer is available. Thank you for your note and hopefully this clears up the mystery as well as any impression that there is a lack of caring by those charged with staffing the Eubank Gate. — *Jim Larson, Protection Program Operations (4210)*

For the record

The feature article on Dave Barton in the Oct. 15 *Lab News* stated that the new forms manager (Dept. 9612) succeeding Dave is Carolyn Lucero, which was incorrect. The new forms manager is Carolyn Romero.

* * *

Arthur Shanks (4117), department manager High Consequence Assessment and Technology, was also a key player in the Defense Threat Reduction Agency Diligent Warrior 04 exercise held recently in Great Falls, Mont. (*Lab News*, Oct. 15). Arthur served as part of the consequence management team.

DOE, NASA lab leaders provide homeland security perspectives at Bay Area conference

By Nancy Garcia

REMARKABLE — Rick Stulen, right, makes remarks at a panel discussion about perspectives on homeland security from the national labs as Don Prosnitz of Lawrence Livermore National Laboratory, left, looks on. Ron Stoltz (8158), manager of state/local programs for homeland security, helped organize the conference, including this panel. (Photo by Nancy Garcia)

When it comes to tackling homeland security concerns, said Regis Kelley, executive director of the California Institute for Quantitative Biomedical Research (QB3), "We do have amazing resources here in the Bay Area to help us with the challenges ahead."

Kelly introduced a session focusing on "What can be expected from technology: Perspectives from the national laboratories," at the Second Annual Bay Area Conference on Homeland Security in Oakland earlier this month. Co-sponsored by the Bay Area Economic Forum and Bay Area Science and Innovation Consortium, it addressed the potential and limits of technology to meet security challenges.

150 attendees

The conference drew about 150 attendees from emergency response agencies, government, and businesses.

The session panel featured senior managers from four Bay Area labs: Don Prosnitz, deputy director for Lawrence Livermore National Laboratory's Homeland Security Organization; Center 8100 Director Rick Stulen, who heads investment and commercialization for Sandia's Homeland Security Strategic Management Unit; Piermaria Oddone, deputy director and senior physicist, Lawrence Berkeley National Laboratory (LBL); and Peter Friedland, chief technologist at NASA Ames Research Center.

Prior to the panel, the scene was set by a noontime speaker. Michael Morehart, FBI section chief for Terrorist Financing Operations in the Division of Counterterrorism, said in his keynote address that "the bottom-line goal of our enemy is to destroy the United States as we know it."

Science firepower

However, said panel moderator Paul Saffo, director of the Menlo Park, Calif.-based Institute for the Future, "The Bay Area has considerable science and economic firepower."

Prosnitz spoke about the state of preparedness to deal with engineered biological threats, and about more sophisticated means to identify individuals.

Calling attempts to increase lethality of germs "black biology," he said there are early signs that an initiative in pathomics — the science of detecting initial indications of a host-pathogen response — might permit diagnosis and treatment of infection as early as a day or two after exposure to an agent such as anthrax or smallpox.

Technical part 'coming along'

As for ways to identify people to spot suspects, he said, "It is absolutely critical that we do the identification. The technical part is coming along. International and policy issues need to be worked."

For instance, privacy is always an issue with any kind of data sharing, he pointed out, and different countries have different standards for keeping information. Technically, although fingerprints work very well, they can be time-consuming to obtain.

Iris scans, a proposed biometric approach to identification, currently have a small database. Facial recognition falls somewhere in between the two methods in terms of reliability. Border security is a major issue, with 500 million entries yearly.

Rick addressed the issues of explosives and radiological/nuclear devices. Both, he said, are largely weapons of instantaneous damage with vastly different scales of devastation.

For instance, a vehicle bomb killed 168 people in Oklahoma City and injured from 400 to 600 people. In Hiroshima, the atom bomb killed 80,000 immediately and 150,000 more over time, which approximately totaled the city's entire population.

Threat has three faces

Rick said the explosive threat has three faces: a suicide bomber such as the one who had killed about 40 individuals that morning in Iraq; a large device such as the one directed against the USS *Cole*; and explosives detonated from 100 to 200 yards away when vehicles cross over.

Challenges include the fact that explosives are easy to obtain and very difficult to detect, he said, especially from a distance out of harm's way. While chemical detectors are improving, dogs are still the most sensitive and accurate means of finding explosives.

There is still a need for a ruggedized detection system that operates in messy environments without false positives, he said.

The nuclear threat presents itself in four ways, he said: a stolen device, an improvised device made with smuggled material, a radiological dispersal device ("dirty bomb"), or an intentional release from a nuclear power plant.

Challenges here, he said, include foolproof tracking of legitimate shipments, efficiently discriminating against false positives (generated from such sources as diagnostic imaging patients or kitty litter, which he called a "fantastic emitter" of radiation), picking up weak signals from highly shielded material, and integrating detection with a concept of operations and making it cost-effective.

The sky's the limit

Summing up the potential for technological advances to help counter the threat, LBL's Oddone said, "In some sense, the sky's the limit." The broad nature of the types of responses called for adds to that complexity.

"This is such a multidimensional problem that we're working on," said Rick, spanning federal and state agencies down to volunteer responders who are the technology end-users out on the street.

Prosnitz agreed that the nature of the threat is shifting the challenges and opportunities posed.

"We're moving into a new era," he said. "We've dealt with terrorism for hundreds of thousands of years. Asymmetric threats are what's new."

Sandia CaliforniaNews

Dining out at Dilbert's cubicle

NO FOOLING — Scott Adams, left, creator of the Dilbert cartoon strip, stopped by his downtown Pleasanton restaurant, Stacey's, the night that Sheryl Stewart (8528), right, helped set up a banquet for three Sandians from the California site who had been named to the Distinguished rank.

Stirling

(Continued from page 1)

same level of automation. The controls and software that perform this integration will be scalable to much larger facilities.

The solar dish generates electricity by focusing the sun's rays onto a receiver, which transmits the heat energy to an engine. The engine is a sealed system filled with hydrogen, and as the gas heats and cools, its pressure rises and falls. The change in pressure drives the pistons inside the engine, producing mechanical power. The mechanical power in turn drives a generator and makes electricity.

The cost for each prototype unit is about $150,000. Once in production SES estimates that the cost could be reduced to less than $50,000 each, which would make the cost of electricity competitive with conventional fuel technologies.

Bob Liden, SES executive vice president and general manager, says solar electric generation dish arrays are an option for power in parts of the country that are sunny like New Mexico, Arizona, California, and Nevada. They could be linked together to provide utility-scale power. A solar dish farm covering 11 square miles could produce as much electricity per year as Hoover Dam, and a farm 100 miles by 100 miles in the southwestern US could provide as much energy as is needed to power the entire country.

AN ARTIST'S rendering of a field of dish-Stirling engine systems.

"Another application could be to operate as stand-alone units in remote areas off the grid, such as the Navajo reservation, and supply power to one or several homes," Liden says. Stand-alone units have already been demonstrated as an effective means of pumping water in rural areas.

He notes the dish-Stirling system works at higher efficiencies than any other current solar technologies, with a net solar-to-electric conversion efficiency reaching 30 percent. Each unit can produce up to 25 kilowatts of power.

"This is the perfect type of electricity generation for the Southwest," Liden says. "It's a renewable resource, pollution free, and the maintenance of a solar farm is minimal."

One of the system's advantages is that it is "somewhat modular," and size of the facility can be ramped up over a period of time, Chuck says. That is compared to a traditional power plant or other large-scale solar technologies that have to be completely built before they are operational.

The cooperation between SES and Sandia is seen as critical to the success of this technology. This on-site teaming is a new way of doing business in the energy field and is being watched with interest at DOE headquarters. Chuck says, "There is no more effective way of providing technology transfer."

Of the aggressive schedule SES is pursuing in moving from this prototype power plant to large-scale production, Chuck says, "It's a big step to go from one to six dishes and ramp them up the way they want. But we have such a good relationship with SES, and we work together so well that we should be able to meet this challenge."

SANDIA RESEARCHER Chuck Andraka, left, talks with Bob Liden, Stirling Energy's executive vice president and general manager. (Photo by Randy Montoya)

Sandia team members

Members of the Sandia team working on the dish array project are Chuck Andraka, Jimmy L. Lloyd, Rich Diver, J.J. Kelton, John Quintana, Daniel Ray, Kye Chaisman, and Blane Emms (all 6128).

Joint testing since 1998

Stirling Energy Systems and Sandia have been jointly testing different types of solar electric generation dish engines since 1998. This is the biggest project they have worked on together.

When a first-generation prototype was installed at Sandia last year, SES put one permanent staff member on site at the Sandia solar test facility. Today that number has grown to 10, with five additional people who work in both Phoenix and Albuquerque. This team is expected to grow substantially over the next year.

DOE Secretary Spencer Abraham visits Sandia

DOE SECRETARY SPENCER ABRAHAM visited Sandia Oct. 15 to annouce that the department's second annual "What's Next" Expo will be held in Albuquerque in the fall of 2005. The Expo is part of the department's Scientists Teaching And Reaching Students (STARS) science education initiative. (Photo by Randy Montoya)

Vice President

(Continued from page 1)

business units within the Integrated Systems and Solutions business area.

Before that she was the director of Human Resources Initiatives reporting to Lockheed Martin corporate headquarters.

She joined Lockheed Martin in 1998 when she began working with the Enterprise Information Systems' staffing organization. She has since held a number of positions of increasing responsibility in multiple business units and geographic locations.

Prior to joining Lockheed Martin, Kim worked as a human resources consultant for Fortune 500 organizations concentrating on strategic staffing and organizational effectiveness. She has more than 20 years of human resources and management experience in several industries, including higher education, civil engineering, health care, and aerospace. She has a BA in business administration from Park University and is currently pursuing two graduate degrees in business from the University of Maryland.

"I'm truly excited about the opportunity to join the Sandia team, which includes some of the nation's best and brightest," Kim says. "Just as Sandia has excelled in research and development for our nation, it has excelled in developing innovative, people-focused initiatives in areas such as diversity and learning and development. I look forward to continuing this tradition and to advancing Sandia's longstanding commitment to its people — the company's greatest asset." — *Chris Burroughs*

John Marburger receives Sandia science overview

President's science advisor impressed with Labs' broad spectrum of activities

Michael Padilla

Responding to a wide spectrum of national issues is a major strength of Sandia, said John Marburger, science advisor to President Bush and director of Office of Science and Technology Policy, during a recent visit to Sandia.

"Sandia is a broad-spectrum lab," Marburger said after receiving a comprehensive tour and overview of Sandia. "Sandia's responsiveness to the nation is outstanding."

He said he was impressed with the quality and enthusiasm of the employees at Sandia and commended the mission and goals of the Laboratories.

Marburger said Sandia's work is a perfect fit for the three areas set forth by the current administration. The areas include winning the war on terrorism, protecting the homeland, and contributing to economic stability. He said he realizes that science plays a major role in contributing to these areas.

Marburger toured the Microelectronics Development Laboratory, Integrated Materials Research Lab, and the Z machine. Hosted by VP for Science & Technology and Partnerships 1000 Pace VanDevender, Marburger was briefed on the progress of the Microsystems and Engineering Sciences Applications (MESA) project, the Biotechnology Program, and Global Nuclear Futures.

Marburger said making things smaller and faster is key in meeting the challenges of the new century

"The smaller the scale, the more robust technology can be," he said. "The use of information and image technology all lead to useful products."

He said Sandia's MESA project will play an important role in the area of nanotechnology.

Nanoscale structures, he said, will lead to opportunities for new devices as small as molecules, and machines as small as human cells.

Work in the area of biotechnology helps pave the way toward better diagnostics, therapies, treatments, and possible cures that affect the lives of all Americans, he said.

Z APPEAL — Jeff Quintenz (1600, right) gives an explanation of the Z machine to John Marburger, science advisor to President Bush.

Moving new technology from the lab to products is a difficult task, he said, adding that certain technologies can transfer more rapidly than others.

"The key to successful technology transfer is to encourage flexibility within the process," he said. "We need to make sure the transformation is safe and feasible, but we need to do this quickly."

Prior to his appointment to the Executive Office of the President, he served as director of Brookhaven National Laboratory from 1998, and as the third president of the State University of New York at Stony Brook from 1980-1994.

"Sandia is well-run and has a strong vision and a good vision," he said. "I am leaving with a very favorable impression of the Labs."

Feedback

Q: Reconstruction of the parking lot west of T-City is now complete. Since then, however, it appears there are far too many "Government Parking Only" spaces along the east end of the lot (they're always empty), while the civilian spaces are too few. Is there any way the supply/demand feature could be more logically distributed?

A: Thank you for the observation. With the Weapons Integration Facility (WIF) starting construction this month, we removed several government slots east and south of T-City to the west side to accommodate the construction. Parking will be tight in this area until MESA construction is completed. The good news is MESA will construct two new parking lots in the area as part of the project. We continuously monitor usage and we will review the T-City area again in the near future and adjust as needed.

— Ed Williams (10864)

* * *

Q: In spite of recent additions to parking spaces on the north side of Tech Area 1, there is still a need for more. Now we are losing the lot south of the Thunderbird Cafe to yet another building construction project. The most logical solution would be to pave the rest of the lot north of the old Dome building site at the traffic light on G Avenue. That would allow for more orderly, safe, and efficient parking there. I realize that section of the lot is considered "U.S. Air Force Shared Parking," but surely there is a way to transfer this tiny plot to DOE or at least to get it paved.

A: Good news. We have been planning to reconfigure and pave the lot west of Bldg. 848, north of the 12th and "F" street intersection, for some time. The land is permitted to DOE/Sandia from the USAF and they had to review the proposal and concurred with the changes. The design is complete and construction should begin in early FY 05. In addition, new parking is being provided west of Bldg. 893, east of the current Bldg. 887 lots, and at the intersection of 18th Street and "K" Avenue.

— Ed Williams (10864)

* * *

Q: Why do we bother to designate special or reserved parking spaces when they are filled with decaled vehicles on a daily basis? Specifically, employee and contractor vehicles are parking in the visitor slots north of Bldgs. 887 and 885 daily. The vehicles belong to Sandians and on-site contractors. If rules are in place, they should be enforced.

A: I agree whole-heartedly that rules should be observed and followed. The only vehicles authorized to park in a visitor space are vehicles with temporary passes. The rules on parking may be found in Chapter 4K of the ES&H Manual (http://www-irn.sandia.gov/corpdata/esh-manuals/mn471001/s04k.htm) and in CPR 400.3.11 (http://www-irn.sandia.gov/iss/CPR400.3.11/cpr400.3.11a01.htm).

If you observe vehicles illegally parked please contact the Security Desk Lieutenant at 844-3155 and a Security Police Officer will be dispatched to ticket the offending vehicle. Further information may be found on the Traffic Safety Committee Web page (http://www-irn.sandia.gov/facilities/esh/traffic.htm) *— Ed Williams (10864)*

* * *

Q: How will the new federal rules regulating overtime affect Sandia employees, both represented/non-represented and exempt/nonexempt?

A: As reported in the news, the Fair Labor Standards Act (FLSA) criteria for exempting jobs from overtime payment changed effective Aug. 23, 2004. This change has the potential to impact the payment of overtime for many employees across the United States as companies continue to assess the implication of the change. The impact of the new FLSA has been under review by Compensation for several months, and changes in our policies and practices are not anticipated at this time. Therefore, if you are currently nonexempt and earning overtime, you will continue to earn overtime. The FLSA change has provided a vehicle to complete a thorough review of our existing overtime policies and practices that will result in some clarification and updating of Corporate Process Requirements. *— BJ Jones (3500)*

* * *

Q: In recognition of all POW/MIAs, I would like to request that Sandia honor them by flying the POW/MIA flag in front of the Bldg. 800. As you know, the flag is flown at certain government facilities such as the White House, State Department, Defense Department and U.S Postal Service on selected days; Armed Forces Day, Memorial Day, Flag Day, Independence Day, national POW/MIA Day (third Friday in September), and Veterans Day. If Sandia agrees to fly the flag it seems like the national POW/MIA Day would be an excellent starting point.

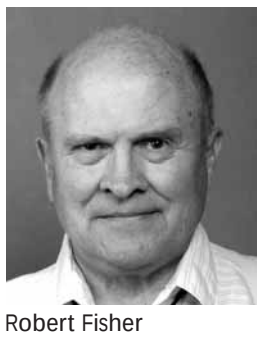
A: Sandia joined with Kirtland Air Force Base in displaying the flag on Sept. 14, 2004, National POW/MIA Recognition Day. I can find no better words than those included in a letter of request we recently received from Richard Weatherbee, Secretary for the Sandia Armed Forces Employees Networking Group (SAFENet), who had much the same request: "This commemoration is set aside to honor the commitment and the sacrifices made by this nation's Prisoners of War and those who are still Missing in Action, as well as their families."

— Ron Detry (4000)

Mileposts

New Mexico photos by Michelle Fleming


Dick Shead
45 5937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Tom Prevender
35 5937


Michael Rogers
35 2955

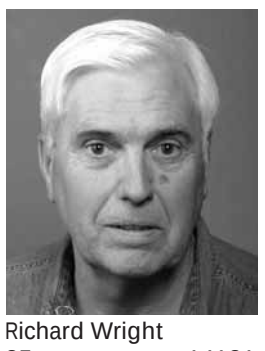

David Gartling
30 9100


Robert Williams
30 15432


Dennis Bolton
25 2618


Jim Gosler
25 5004


Christine Gutierrez
25 12105


Richard Wright
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Carol Bonney
20 6337


Phillip Gonzales
20 4211


Jay Jordan
20 2338


Randy Mayes
20 9125


Todd Owen
20 9741


Robert Shirey
20 10844


Linda Vigil-Lopez
20 3550


Dan Williams
20 10862


Priscilla Altsisi
15 9618

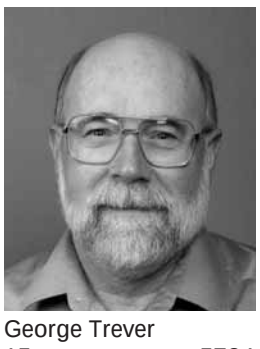

Robert Dana
15 4213


Jeffrey Duncan
15 5622


Irene Kolb
15 2992


Raivo Leeto
15 1736


Michael Ross
15 6218


George Trever
15 5734


Tom Weber
15 15244

Recent Retirees


Charles Nelson
43 15425


Gerry Quinlan
35 9224


Guillermo Candelaria
34 2997

Manager promotions

New Mexico

John (Dex) Dexter from PMTS, Cyber Security Technologies Dept. 9312, to Manager, Corporate Computing Infra/Support Ops Dept. 9335.


JOHN DEXTER

Dex has worked in information systems and technology since he joined Sandia in May 1978. He has held numerous IS/IT positions within the Labs' Integrated Information Services centers over the past 26 years, including duties related to computer operations, application development, system and database administration, infrastructure deployment, and systems integration. He also had a two-year assignment contributing to the development of Sandia/California's strategic plan and business leadership structure.

Most recently, Dex led Sandia's Classified Network Infrastructure Integration (SCNII) team in efforts to improve performance and reliability of the Labs' classified computing environment.

Dex has a BA in history from the University of New Mexico and an MBA in IS/IT from UNM's Anderson School of Management.

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Steve Fattor from PMTS to Manager, Facilities Projects Office Dept. 10825.

Steve joined Sandia in June 2001 after 10 years in maintenance program management with DOE's Albuquerque Operations Office. Prior to that, Steve was in construction management with the US Air Force and US Navy.


STEVE FATTOR

Since coming to the Labs, he has been a project manager on the design and construction of general plant projects in the Corporate Projects Dept. 10824.

Steve is also a lieutenant colonel in the Air Force Reserve, currently a Senior Spaceflight Acquisition Manager assigned to Detachment 12, Space and Missile Systems Center, Kirtland AFB.

He has a BS in civil engineering from the University of Notre Dame and an MBA from the University of New Mexico. He is a registered professional engineer (PE) and a PMI-certified Project Management Professional (PMP).

Sympathy

Sympathy to E. J. Romero (10848) and Anita Romero (4213), and Angela Romero (2995) on the death of his father and their grandfather, Jose Romero, in Albuquerque, Sept. 18.

Sandia first in state to use new technology to feed the hungry

Roadrunner Food Bank drive at Sandia Oct. 27-Nov. 11; 'virtual' store new this time

By Iris Aboytes

For the first time ever, Sandians will be able to log on to their computer and donate food using a Virtual Food Drive (special store) set up for Sandia by Roadrunner Food Bank. Sandia is the first large company to use this new technology for a corporate-wide drive.

Click on www.rrfb.org/sandialabs, purchase available items, enter your credit card number, and voila, you have just helped feed the hungry in New Mexico.

Roadrunner Food Drives at Sandia are sponsored by the Office Professionals Quality Council Outreach Team (OPQC) in partnership with Sandia's Volunteer Program Manager, Darlene Leonard (12650).

"Your highly successful food drive . . . helps provide thousands of badly needed meals for hungry neighbors during the holidays and winter months."
Melody Wattenbarger, Roadrunner Food Bank

"We truly appreciate the enthusiastic and generous support of Sandia National Laboratories for the annual Holiday Food Drive," says Melody Wattenbarger, executive director of Roadrunner Food Bank. "Your highly successful food drive is the second largest organizational food drive in the community, and it helps provide thousands of badly needed meals for hungry neighbors during the holidays and winter months."

For each dollar donated on the Virtual Food Drive, Roadrunner can purchase $16 worth of food. This year's goal is to collect 30,000 pounds of food or the dollar equivalent of $10,000 for New Mexico Families.

Besides the Virtual Drive, Sandia will have an account set up at the Sandia Laboratories Federal Credit Union (SLFCU) under Roadrunner Food Bank. Account #522830, 00-01 is a general donation account and 00-02 is for Food for Kids. There will also be collection barrels for actual food donations in Bldg. 800, Robotics, Thunderbird Café, 822 Breezeway, IPB, Area 4 Bldg. 962, Area 5 Bldg. 6585, and Research Park Bldgs. 10510 and 10520.

SCREENSHOT of the Virtual Food Drive screen on Roadrunner's web site.

Nov. 22 is Take-a-Turkey-to-Work Day. This day has been moved further into the month, so when the grocery stores have buy-one, get-one-free promotions, you will be able to share the extra turkey with someone less fortunate.

According to Melody, New Mexico has 328,000 people (17.9 percent) living in poverty. New Mexico has the third highest rate of child poverty (24.4 percent) in the nation — 33 percent higher than the national average; 46.5 percent of all households that visit emergency food programs have one or more adults currently employed. About 13 percent of recipients are homeless.

More than half (60.2 percent) of New Mexico's elementary schools students are eligible to receive free or reduced-price meals at school. The Food-for-Kids Program, an emergency food assistance program at Roadrunner, serves 2,200 children on average each month in 29 elementary schools in four counties.

Sandia held its first food drive in 2000. That year 35,298 pounds of food were collected. Because of 9/11, Sandia partnered with SLFCU in 2001, and 2,679 pounds of food were collected. In 2003, 22,325 pounds, and last year 26,251 pounds were collected.

With this year's new technology, Sandians have several choices: click away and contribute; go shopping and contribute; or let someone else do the shopping by contributing at the SLFCU.

Roadrunner Food Bank is a United Way Agency. For more information, go to http://www.uwcnm.org/organizations/roadrunner.htm.

Labs' annual ECP campaign runs through Nov. 12

Why our coworkers participate in ECP


BRENDA BARAJAS-ROMERO

Brenda Barajas-Romero (14,000): "My sister and I were involved in preschool activities that were funded by United Way. This agency gave us brandnew books for our very own. There were also many winters when my nana (grandmother) could not pay her gas bill, and the United Way helped her. I work for a company where we support each other, so I feel we are committed to help our community."


KIM GOODRICH

Mary Nation (10741): "I have worked with United Way for many years, as a loaned executive, committee member, and donor. If I could tell my fellow Sandians one thing, it would be to find out more about United Way. Please take the agency tours to see where your money is going, how it is being used, and the wonderful work that is being done in our community. My experience was a 'reality check.' There are so many people in our community who have no place to sleep, no job, no family, no medical care, and no hope for a future. They don't plan their retirement. They are trying only to survive the night. There is a whole other side of our community that we rarely see."


MARY NATION

Kim Goodrich (35543): "When you think you have it bad, just look around, and you will see someone or many someones much worse off than you. I have seen what non-profits have to go through to raise the money they need to provide the services that are invaluable to the population they serve. I want to help even though my contribution is a drop in the bucket, but my thought is: every little bit helps!"


CLAIRE EVANS

Art Verardo (2990): "Two years ago, I was fortunate enough to receive a liver transplant. While I was recovering, I thought about the many times during my life that members of my family have benefited from the many agencies supported by United Way. I am committed to give back to the organization that does so much for our community."


ART VERARDO

Claire Evans (3001): "I feel it is both a blessing and an honor to be fortunate enough to be able to help others with a hand-up, a respite from anguish, or a service that might improve their life."

Know the joy of giving

To: All Employees
From: C. Paul Robinson
Subject: Sandians Experience the Joy of Giving

Every year I thank all of you for participating in our Employee Contribution Plan/United Way Campaign and our LEAP campaign in California. Your tradition of generous giving never disappoints. As we strive to become the "go-to" lab for our nation, we have become the "go-to" lab for our community as well. When our community calls, you answer. That is what makes Sandia National Laboratories the number one contributor to the United Way of Central New Mexico.

This year's campaign focuses on the donors — "I am a voice of hope; I give because I can hear a laugh; I am a United Way giver." It takes each of us giving just a little to send the message that we care. This year's totally electronic campaign makes it easy for you to participate.

Please add your voice of hope to the 2004 campaign. Remember, people do not care how much you know until they know how much you care! Thank you for making a difference.