

# NewsLetter

Week of October 8, 2007

Vol. 8, No. 21

## 2006 Distinguished Performance Awards

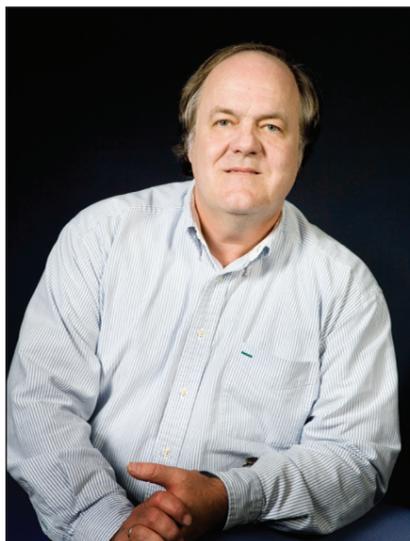
**H**ats off to the latest group of employees honored for their exceptional efforts on the job. Seven individuals, four small teams and six large teams are the Los Alamos National Laboratory 2006 Distinguished Performance Award winners.

Individuals or small teams who receive Distinguished Performance Awards must have made an outstanding and unique contribution that had a positive impact on the Laboratory's programmatic efforts or status in the scientific community; required unusual creativity or dedication of the individual or team; and resulted from a level of performance substantially beyond what normally would be expected.

Large teams must have performed scientific, engineering, technical, administrative, and/or management activities at a level far above normal job assignments; completed a project that brought distinction to the Laboratory by resolving a problem that has broad impact and/or resulted in the Lab becoming the recognized expert in the field; worked on a project that involved original and innovative thinking, approaches, and results; and exhibited an exemplary level of skill, teamwork, and dedication well beyond normal expectations that resulted in the successful completion of the project.

A recipient of an individual award receives a plaque and \$1,000. Each member of a small team garners a plaque and \$500. Large team members receive a plaque, a certificate, and a pin. A reception for individuals and small teams is scheduled for October 17.

Distinguished Performance Award winners are selected by a screening committee.



Lloyd Gordon



Douglas Landers



Jason Lashley

### Individuals

#### Lloyd Gordon

Lloyd Gordon of Industrial Hygiene and Safety (IHS-DO) is an outstanding leader in the area of electrical safety. He has helped make safety the top priority at the Laboratory.

Gordon's passion for improved understanding of the hazards and controls associated with electrical work during research and development projects has brought recognition far beyond Los Alamos. He was the primary author of the Electrical Incident Severity Ranking Tool, which the Department of Energy adopted as best practice. DOE has distributed it to all site offices to be implemented throughout the complex.

In 2006, Gordon showed personal dedication by investing many personal hours in organizing and chairing the R&D Electrical Safety Workshop. A highly successful event, the workshop included participation of and contributions from every DOE contractor site and most field offices across the country.

Gordon's work has had a substantial impact on the standing of the Laboratory within DOE in the area of electrical safety, and he has substantially affected the safe performance of programmatic and scientific work at the Laboratory.

#### Douglas Landers

Douglas Landers of Testing and Advanced Diagnostics (WT-4) earned a Distinguished Performance Award for his work in support of the Cibola Flight Experiment satellite. The satellite's launching in March met a very high-profile milestone for the Laboratory. As the only Los Alamos mechanical engineer on the project, Landers was an important part of that success.

Landers contributed crucial expertise in component design, finite element modeling, thermal and dynamic testing, data reduction, and model validation. When test data showed the need for many design and hardware changes to the satellite, he took personal responsibility for them. His efforts allowed the work to meet all the schedule and project requirements.

As the only Los Alamos team member with comprehensive, in-depth understanding of the complete satellite, Landers served as a liaison between Boeing, the United States Air Force, Lockheed, the Aerospace Corporation, and Surrey Satellite Technology Limited from the United Kingdom.

His work throughout the project demonstrated his commitment to great science and engineering at the Laboratory.

*continued on Page 3*



P.O. Box 1663  
 Mail Stop C177  
 Los Alamos, NM 87545

Pre-sorted Standard  
 U.S. Postage Paid  
 Albuquerque, NM  
 Permit No. 532

LALP-07-001

# For Your Safety



## Laboratory holds Canned Air Disposal day

Thanks to the success of the recent Canned Air Day, the Laboratory saved an estimated \$200,000 in unnecessary hazardous waste disposal costs this year.

The event was designed to collect, recycle, and dispose of canned air containers at the Laboratory. Canned air has been widely used at the Laboratory for cleaning computer keyboards. Its use for these non-programmatic purposes, however, is problematic because it is classified as a cryogen and an explosive. As a result, containers must be disposed as a hazardous waste under Resource Recovery and Conservation Act and Department of Transportation requirements. RCRA disposal is regulated by the New Mexico Environment Department, and improper disposal can lead to violations and fines for the Laboratory.

A \$23-dollar can of air costs about \$217 to properly dispose, and one can typically is used four to five times for keyboard cleaning applications. Keyboards can be cleaned in a much more environmentally friendly and cost-effective manner using a lint-free cloth, cotton swabs or an Underwriters Laboratory (UL)-approved electric duster or "Data Vac."

Canned air must be bar-coded for inclusion in the Laboratory's annual hazardous chemical inventory. Laboratory employees are urged to avoid ordering canned air unless it is necessary for programmatic work. Those who have canned air without a bar code should immediately contact IH at 7-924, 7-7807 or by e-mail at [chemlog@lanl.gov](mailto:chemlog@lanl.gov) so it can be added to the owner's chemical inventory.

The event collected 303 cans for proper disposal, as well as 103 full cans that will be redistributed for programmatic applications. The majority of the collected cans did not appear on the Lab's ChemLog Inventory, so locating them helped the institution avoid potential hazardous waste compliance violations. An earlier event netted some 400 cans of air. Disposal-cost savings to the Laboratory from each event was about \$100,000.

The Laboratory plans another Canned Air Day later this year after IH has completed and assessed its chemical inventory. Employees who want to dispose of canned air during the next Canned Air Day should write to [cleanitout@lanl.gov](mailto:cleanitout@lanl.gov) by e-mail.

The Environmental Management System (ENV-RRO) and Industrial Hygiene (IH) sponsored Canned Air Day at the Laboratory.

## Los Alamos National Laboratory NewsLetter

The Los Alamos NewsLetter, the Laboratory bi-weekly publication for employees and retirees, is published by the Communications Office in Communications and Government Affairs (CGA). The staff is located at 135 B Central Park Square and can be reached by e-mail at [newsbulletin@lanl.gov](mailto:newsbulletin@lanl.gov), by fax at 5-3910, by regular Lab mail at Mail Stop C177 or by calling the individual telephone numbers listed below. For change of address, call 7-3565. To adjust the number of copies received, call the mailroom at 7-4166.

### Editor:

Jacqueline Paris-Chitanvis, 5-7779

### Associate editor:

Steve Sandoval, 5-9206

### Production editor:

Denise Bjarke, 7-3565

### Graphic designer:

Edwin Vigil, 5-9205

Los Alamos National Laboratory is a multidisciplinary research institution engaged in strategic science on behalf of national security. The Laboratory is operated by a team composed of Bechtel National, the University of California, BWX Technologies and Washington Group International for the Department of Energy's National Nuclear Security Administration.

Los Alamos enhances national security by ensuring the safety and reliability of the U.S. nuclear stockpile, developing technologies to reduce threats from weapons of mass destruction, and solving problems related to energy, environment, infrastructure, health and global security concerns.



Printed on recycled paper. Please recycle.

## Ion-powered Dawn orbiter reaches space

by Nancy Ambrosiano

NASA's Dawn mission launched flawlessly from Cape Canaveral, Florida. Dawn is carrying a Laboratory-built gamma ray and neutron detector instrument, GRaND, out to explore two large asteroids.

Tom Prettyman of Space Science and Applications (ISR-1), principal investigator for GRaND, said after the 5:34 a.m. Mountain Daylight Time (MDT) launch on September 27. "I'm just ecstatic, it's wonderful. Now I can go get some sleep," said Prettyman.

The mission staff reported successful spacecraft separation from the Delta 2 rocket at 8:35 a.m. MDT. As of [that] afternoon, Prettyman reported that the spacecraft "is out there in space, all on its own, with its solar panels deployed. All seems to be working as planned ... I can already look at my data, just telemetry points showing the interface temperatures of Grand ... we won't turn the instrument on until 19 days from now though."

The Dawn mission is the first mission to use an innovative ion propulsion drive outside Earth's orbit, thrusting the orbiter on a column of glowing blue xenon out to explore Vesta and Ceres, two large members of the asteroid belt drifting between Mars and Jupiter. GRaND is one of three science payload instruments on board and will measure the elemental composition of the asteroids' surfaces.

For more information about the Dawn mission, go to the NASA Web site at <http://dawn.jpl.nasa.gov/> online.



**Q:** KSL Services recently began limited on-demand dispatch taxi service between 8:30 a.m. and 3 p.m. weekdays for Laboratory employees who need transportation to and from Laboratory sites. The new taxi service is similar to one that was in place at the Lab a few years ago. Now that the Lab has a form of on-demand taxi service again, will you routinely use the taxi service to get around the Laboratory; why or why not?



### Roger R. Rodriguez, Deployed Services S-9 (SEC-DSS9)

Great services. Commuters such as myself can benefit from the financial saving (gas and wear and tear on personal vehicle). As commuters, we appreciate the institution affording us the opportunity to use this resource that is essential for helping minimize the impact to the environment.



### Roberta Salazar, Protocol (CGA-GAO)

Absolutely. It is way more convenient to use the taxi service to get around to Lab sites than to use your private vehicle, especially since parking is very limited [in some locations].



### Fernando Gonzalez, Research Library (STB-RL)

It would have been a good service to use when I was in Technical Area 52. Now that I am in TA-3, I have not needed the service so far. I do not have a car, so if I need to go some place farther than walking distance, I will definitely use the service.



### Linda Anderman, Community Programs Office (CPO)

Yes. Working downtown it was really a problem to find my way around various technical areas. I really missed the [taxi] service.



### Mario Perez, Space Science and Applications (ISR-1)

Occasionally I have research meetings at sites that may require the use of the on-demand taxi service. I think we should all plan to use it to save resources and alleviate the parking issues at the Lab.



### Ketan Mane, Research Library (STB-RL)

Yes, I look forward to using it. It is a great service to have. With the Laboratory being so widespread, the taxi service helps to get around fairly easily.

# Distinguished performers

## Individuals continued from Page 1...



Rick Martineau



Matthew Murray



Kevin Veal



Mary Anne With

### Jason Lashley

Jason Lashley of Materials Technology-Metallurgy (MST-6) earned a Distinguished Performance Award for his accomplishments in condensed matter physics, chemistry, and materials science.

In his work, Lashley maintains a fine balance between pure science and research done in support of the nuclear weapons program and other Laboratory programs. He maintains a prodigious scientific output, as evidenced by his publication of 13 peer-reviewed scientific journal articles in 2006 alone.

He has made significant breakthroughs in the study of phase transitions, including identifying the phase transition in the shape-memory alloy AuZn as being second order. His research on plutonium and uranium metals and alloys has been both scientifically rewarding and of practical interest.

Lashley is the recipient of the 2007 Stig Sunner Memorial Award from the 62nd Calorimetry Conference. The award recognizes the contributions of young scientists to thermodynamics and thermochemistry. Lashley's work has brought distinction to both himself and the Laboratory.

### Rick Martineau

Rick Martineau of the Applied Physics (X) Division earned a Distinguished Performance Award for his groundbreaking research and analyses in relation to overall nuclear weapons performance.

Co-workers and peers describe Martineau as setting a new standard for rigor by developing metrics for the QMU process—the quantification of margins and uncertainties. In fact, his peers here and at Lawrence Livermore National Laboratory and the United Kingdom's Atomic Weapons Establishment believe Martineau has taken QMU from a concept to a reality. It was work that required an unconventional and insightful approach, as well as many hours of effort.

Martineau also worked closely with people from the Advanced Simulation and Computing (ASC) program. In doing so, he has helped forge closer ties between the weapons and ASC programs.

### Matthew Murray

Matthew Murray of Subatomic Physics (P-25) performed work vital to the secure operation of the Proton Radiography (PRAD) project. He is receiving an individual Distinguished Performance Award for that effort.

Murray played a key role in designing and constructing a vault-type room (VTR) where classified data can be collected in the PRAD facility at the Los Alamos Neutron Science Center. PRAD also needed a computing area that would easily switch between classified and unclassified modes. The result was one of the most complicated VTR and protected transmission system designs at the Laboratory.

Murray worked on all phases of the project. He led the way through the requirements phase to Department of Energy approval and worked closely with the design team to be sure the project met the both scientists' needs and the Laboratory's safety and security requirements. When problems arose, he showed special talent for applying solutions that crossed the responsibilities of multiple organizations.

Murray's leadership, dedication, and expertise have made this new VTR a reality.

### Kevin Veal

Kevin Veal provided outstanding service to the National Nuclear Security Administration and the U.S. State Department.

Veal, of Safeguards Science and Technology (N-1), has been on assignment to the NNSA's Office of Nonproliferation and International Security and its division known as the Office of Dismantlement and Transparency. For that office, Veal's expert knowledge of nuclear systems and safeguards technologies proved invaluable. His efforts also helped position Los Alamos as a key contributor to the suite of techniques and technologies that the International Atomic Energy Agency and the U.S. government have to employ against the intentions of noncompliant nuclear states.

For the State Department, Veal was the sole Department of Energy representative at the Six-Party Talks on North Korea's nuclear weapons program. On October 1, 2006, when North Korea announced its readiness to return to the negotiating table, Veal supported both the State Department and DOE in the first round of meetings.

On the strength of his 2006 performance, Veal is assured of a continuing role on the U.S. delegation to additional Six-Party Talks. His work is helping the Laboratory meet the goal of being the premier laboratory for nonproliferation science and technology.

### Mary Anne With

Mary Anne With of the Education and Postdoc Office (STBPO-EPDO) manages the Laboratory's Postdoctoral Program. Her passionate leadership has brought the program international acclaim and made it the model postdoctoral program in the Department of Energy complex.

The Postdoctoral Program averages 380 participants year-round, so With's duties already are extensive. But in 2006, her work went far beyond the local program. Her efforts resulted in formation of a new National Laboratory Forum of the National Postdoctoral Association and led to major enhancements to Argonne National Laboratory's postdoctoral program. At Los Alamos, her efforts helped form a new LANL Postdoc Association and extended the Laboratory's mentoring policy to include the postdoc community.

With's dedication, professionalism, and creativity have been instrumental in making the Laboratory's Postdoctoral Program successful.

*continued on Page 4*

# Distinguished performers

## Small teams

### Roadrunner Procurement Team

Roadrunner Procurement Team members earned a Distinguished Performance Award for their outstanding leadership, tenacity, and perseverance in getting the contract awarded for the Roadrunner advanced supercomputer system. Scheduled for final delivery in 2008, Roadrunner will have a potential peak speed of 1 petaflop—or a thousand trillion calculations per second.

This team, in cooperation with the Laboratory's Procurement Office, managed the contractual procurement of the Roadrunner system from IBM. The contract is the largest Laboratory computer procurement and one of the largest overall Lab procurements since the Q Machine was purchased more than seven years ago. In addition, the project began under University of California management and had to be completed through the change of management to Los Alamos National Security, LLC. In spite of such massive changes, the request for proposal and contract award were completed in record time, between March and September 2006. If all options on the RFP are exercised, this procurement will cost \$115 million over several years.

The Roadrunner procurement is of great importance to the Laboratory's ASC program and to the Laboratory as an institution. It will also support the Laboratory's Stockpile Stewardship mission, both at Los Alamos and in the other Department of Energy weapons labs. The Roadrunner base system already has been integrated into the Lab's secure computing environment to support the annual assessment of weapons systems and the closing of high-priority system issues



Roadrunner Procurement Team: Raymond Miller of High Performance Computing, Barton Burson of Purchasing, Benny Vigil of High Performance Computing, and Diana Little of Computing Operations and Support.



High-Current Radio Frequency Injector Fabrication Team: Phil Roybal of Mechanical Design Engineering, William Clark of Deployed Shops, Felix Martinez of High Power Electrodynamics, and John Kelley of Mechanical Design Engineering. Not pictured is former employee Norman Gillespie.



High-resolution Boost Physics Simulation Team: Vincent Thomas of Navy-2 and Robert Kares of Scientific Visual and Computational Geometry.

### High-Current Radio Frequency Injector Fabrication Team

The High-Current Radio Frequency Injector Team earned a Distinguished Performance Award for its unusual creativity in solving a series of fabrication problems related to a complex, multistep process—the brazing of mechanical GlidCop components with complex geometries. GlidCop is an alumina-strengthened copper material.

After an industrial partner experienced major schedule delays, this team took on the fabrication of subassemblies for the high-current normal conducting photo injector. It completed this effort ahead of schedule

despite the components' complex shapes and fine tolerances.

An example of the team's creativity was the design and fabrication of a brazing fixture to support and apply preloading to the septum manifold brazes. These assemblies weigh more than 100 pounds and, though not identical, are roughly 36 inches long, 18 inches wide, and 2 inches thick. They must be placed in a brazing retort with the long flat surface perpendicular to the horizontal plane.

This team's efforts have brought the overall project between the industrial partner and the Laboratory to near completion, rescuing the nearly terminated injector project. As a result, the project's sponsor, the Office of Naval Research, is moving toward the next phase:

## Small teams continued ...

a \$140-million, high-power free-electron laser prototype program. The team has positioned the Laboratory to be highly competitive in the effort to bring this prototype project to Los Alamos.

### **High-Resolution Boost Physics Simulation Team**

The members of the High-Resolution Boost Physics Simulation Team risked their professional reputations to accomplish what will be recognized as a major turning point in the weapons physics program.

The team's ideas met with skepticism from the physics community, and its project was eventually handed over to others. In spite of that, the team felt driven to succeed and so persevered in the work, even without specific directions from management. Because their observations defied conventional wisdom, team members maintained the strictest possible scientific rigor, refining alternatives that have led to a breakthrough in weapons physics. They also championed a partnership with industry that resulted in a superior capability that can be used at other national laboratories.

The National Nuclear Security Administration is very excited about the team's work and will share it with Congress in an effort to build additional programs.

### **W76-1 2X Acorn Engineering Team**

The W76-1 2X Acorn Engineering Team met its objectives over six months of vigorous teaming, methodical investigation, and collaborative testing. The effort required extended working hours, including weekends.

The team's efforts led to a 25-percent savings over the cost of a process currently used at Pantex. Its extra effort avoided considerable schedule and budget requirements, on the order of years and hundreds of thousands of dollars.



*W76-1 2X Acorn Engineering Team: Chad Schmidt, left, Brad Meyer, back, David Lohmeier, right and Mercedes Castelo of Gas Transfer Systems.*

## Large teams

### **Angel Fire Project Team**

The Angel Fire Project Team has moved combat surveillance into the 21st century by demonstrating the use of existing technology to provide wide-area persistent surveillance. The team's work makes it possible for battlefield commanders to be kept informed through a real-time view that was unimagined just a few years ago.

Team members worked closely with the United States Marine Corps and the Air Force Research Laboratory to develop an aircraft-deployed prototype system that uses a 24-camera, mosaic-sensor system to display battlefield conditions. It provides a steady view in spite of the inherent motion of the aircraft. The project posed many problems, but team members used clever and insightful methods to solve them in a very short time: four months. The team members worked extra hours to complete the job, because they recognized that the system could save lives.

The prototype system has been demonstrated in military exercises with tremendous success.

### **100-Tesla Team**

The 100-Tesla Team earned a large team Distinguished Performance Award for establishing the 100-tesla multishot magnet for user operations at the Laboratory's Pulsed Field Facility, which is part of the National High Magnetic Field Laboratory. The magnet gives Los Alamos a capability that exists nowhere else in the world.

Design and construction of a pulsed magnet of this kind were very challenging tasks, requiring long hours to overcome many real-world engineering issues. The team used new materials in the final design and also found innovative ways to incorporate "normal" materials. Members devised clever ways of coupling output pulses from the 1.4-gigawatt generator to the 2.2-mega-joule capacitor bank system.

The 100-tesla magnet enables research under conditions that are expected to



*Angel Fire Project Team: Randy Burditt, Steve Bray, Jamie Charles, Daniel Cooper, Matthew Fair, Brian Halladay, John Horne, Kenneth Hurtle, David Kendrick, Keith Lash, Ben Lopez, Edith Madrid, Gail McFarlane, Taylor Powell, Eric Roach, James Sims, Gary Stradling, Larry Tellier, and Inez Valdez.*



*100-Tesla Team: Dwight Rickel, Curtt Ammerman, Coe Hideyoshi, Charles Combs, Gretchen Ellis, Michael Gordon, Kenneth Hurtle, Keith Kihara, Alex Lacerda, Mario Manzo, Jeffrey Martin, Christopher Martinez, James Michel, Michael Pacheco, Alan Paris, Darrell Roybal, Josef Schillig, Jose Serna, James Sims, Charles Swenson.*

*continued on Page 6*

# Distinguished performers



*Cibola Flight Experiment Team members: Sean Apgar, Joseph Becker, Michael Brockwell, Thomas Butler, Michael Caffery, Lawrence Castellano, Rod Christensen, Patrick Colestock, Manuel Echave, Diana Esch-Mosher, Charles Fite, Amy Galbraith, Theodore Garcia, Deane Gasway, Irma Gonzales, David Guenther, Arthur Guthrie, Carin Guzie, Justin Jorgenson, Kimberly Katko, Phil Klingner, Stephen Knox, James Lake, Douglas Landers, Benjamin Lea, Frank Lopez, Patrick Majerus, Gerard Martinez, Geoffrey Miller, George Montano, Leland Morrison, Anthony Nelson, Karla Niemi, Gregg Obbink, Robert Reid, Scott Robinson, Diane Roussel-Dupre, Anthony Salazar, Daniel Seitz, Michael Serrano, Mark Smith, Paul Snow, John Sutton, Justin Thompson, Dolores Trujillo, Tanner Trujillo, Steven Wallin, Peter Walsh, Robert Whitaker, and Xiaoguang Yang.*

## Large teams continued ...

provide scientific breakthroughs. Initial scientific experiments already have led to new discoveries in high-temperature semiconductors and new results on heavy-fermion systems.

This team has made an exciting new research tool available to the scientific community.

### **Medical Isotope Team**

The Medical Isotope Team received a Distinguished Performance Award for making life-saving resources available to the medical community. The team had elements at the Isotope Production Facility, the Los Alamos Neutron Science Center, and the Technical Area 48 hot cells facility.

This team is under considerable pressure to meet deadlines and ensure uninterrupted supplies of two key isotopes: Sr-82 for cardiac imaging (impacting approximately 10,000 patients) and Ge-68 for instrument calibration. The Ge-68 isotope is used at 1,200 centers worldwide. The team also produces other isotopes, including aluminum-26 and silicon-32, which are produced only at Los Alamos.

In 2006, *The Economist* recognized this team for its ability to “churn out rare and expensive medical isotopes for medical use—particularly in cancer therapy.” The Lab’s isotope program is well connected to similar activities around the world, including those in Canada, South Africa, and Russia.

### **Cibola Flight Experiment Team**

There may be no efforts that are as difficult and stressful as having a deadline for launching a satellite. The Cibola Flight Experiment Team rose to the challenge in support of the successful launch and use of a satellite-based sensing system. Team members had the CFE payload checked out and ready to go on time, a process that involved many long days, weekends, and holidays.

The CFE is a remote-sensing technology based on radio frequency. Its many applications include detection, location, and characterization of events related to global proliferation of weapons of mass destruction, lightning research, and research on ionic disturbances in the atmosphere. The CFE represents a significant technological breakthrough. It was realized by the technical skills and hard work of this team.

### **Combined Nuclear Test Response Team**

The Combined Nuclear Test Response Team performed dedicated service to the U.S. government before, during, and after the October 9, 2006, North Korean nuclear test.

Composed of Laboratory personnel from five divisions, fifteen groups, and many standing program elements, the team provided a continuing assessment of the emerging nuclear threat, execution, and rapid expansion of forensic and analysis capabilities, and



*Combined Nuclear Test Response Team: Sharon Atcher, Charles Beck, Jeffrey Bedell, Christy Bernadin, Scott Bowen, William Brug, Carol Burns, Jennifer Casias, Donald Dry, George Eccleston, Deward Eford, Stuart Flicker, Christen Frankle, Frank Gac, Michael Gallegos, Julia Gavrilov, Eric Gerders, Steven Goldstein, Russell Gritz, Carl Hagelberg, Jeremiah Harlin, Ward Hawkins, Cheng Ho, Daniel Holden, Deanne Idar, William Inkret, Kevin Jackman, Peter Jaegers, Matt Kirkland, Thomas Kunkle, Bret Lockhart, Michael MacInnes, Eric Martens, Virginia Mayo, Henry Melito, Tonya Mosley, Michael Murrell, John Musgrave, Deborah Norman, Andrew Nunn, Warren Oldham, Frank Pabian, Susan Pacheco, John Pedicini, Peter Rice, Ann Schake, Hugh Selby, Xuan-Min Shao, Kevin Smale, Mark Smith, Gerald Strickfaden, David Suszcynsky, Julia Thompson, Jake Turin, Scott Valdez, Susan Voss, Paul Weber, Rodney Whitaker, and Charles Wilkerson.*



*Medical Isotope Team: Henry Alvestad, Albino Archuleta, Steve Archuleta, William Baldwin, Dolores Baros, Eric Bjorklund, Gerald Bolme, Joseph Bradley, Lia Brodnax, Jeffrey Casados, John Chamberlin, Mike Cisneros, Claude Conner, Mike Connors, Gilbert Coriz, Michael Fassbender, Louis Fernandez, Jonathan Ferris, Matthew Fresquez, Eduardo Garcia, Doug Gilpatrick, Greg Goddard, Frederick Gorman, Mark Gulley, Michael Hall, Tate Hamilton, John Harrison, David Henderson, Gary Holladay, Lawrence Imprescia, Kevin John, Glen Johns, David Keffeler, Jason Kitten, Luis Lopez, Janet Lovato, Carla Lowe, Terry Madison, Bobby Mansfield, Derwin Martinez, Martin Martinez, Lisa McCurdy, Peter Naffziger, Cleo Naranjo, Meiring Nortier, James O'Hara, Felix Olivas, Paul Ortega, Beverly Ortiz, Dennis Ortiz, Larry Pitt, Gary Rouleau, Wolfgang Runde, Jesse Salazar, Gary Sanchez, Gilbert Sandoval, Andy Steck, James Sturrock, Joseph Sullivan, Tsuyoshi Tajima, Wayne Taylor, Phillip Torrez, Frank Valdez, Grant Valentine, Armando Vigil, Danny Vigil, Allen Weiser, Robert White, William Winton, Glenn Wiuff, and Thomas Zaugg.*

## Large teams continued ...

development and deployment of advanced capabilities. Its efforts played a pivotal role in determining the nuclear nature of the event and thus helped form a solid foundation for the U.S. response.

Team members executed their tasks under extreme pressure and through holidays and weekends. They demonstrated the ability to apply unique approaches to the challenging and evolving threat of nuclear proliferation. As a result, they clearly demonstrated how the Laboratory's breadth and depth in science and technology serves the nation.

### **LADON Team**

The LADON Team's extraordinary efforts on the LADON Ground Test, which used communications techniques based on quantum physics, earned its members a Distinguished Performance Award.

Quantum communications exploits fundamental laws of physics to provide information assurance. The team took quantum communications techniques from being a somewhat-abstract idea to being a fully engineered prototype that completely passed its first test application. The team's effort was multidisciplinary and cross organizational and required long hours to accomplish.

As a result, Los Alamos is now the recognized leader in this field, and this team has brought great distinction to the Laboratory.



*LADON Team: Christine Ahrens, Ian Bernstein, Nicholas Dallmann, Robert Gurule, James Harrington, Richard Hughes, Kevin McCabe, John Michel, Paul Montano, Raymond Newell, Jane Nordholt, Nicholas Olivas, Syd Partridge, Charles Peterson, Douglas Ranken, Danna Rosenberg, Robert Sedillo, Steven Storms, James Thrasher, Kush Tyagi, Mike Ulibarri, Adam Warniment, Nan Watts, and Christopher Wipf.*

---

Text provided by the  
Distinguished Performance Awards  
Screening Committee

Photos by Records Management/  
Media Services and Operations

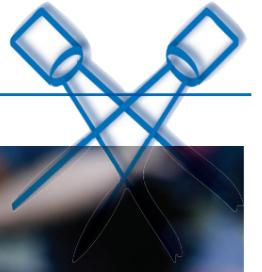
---



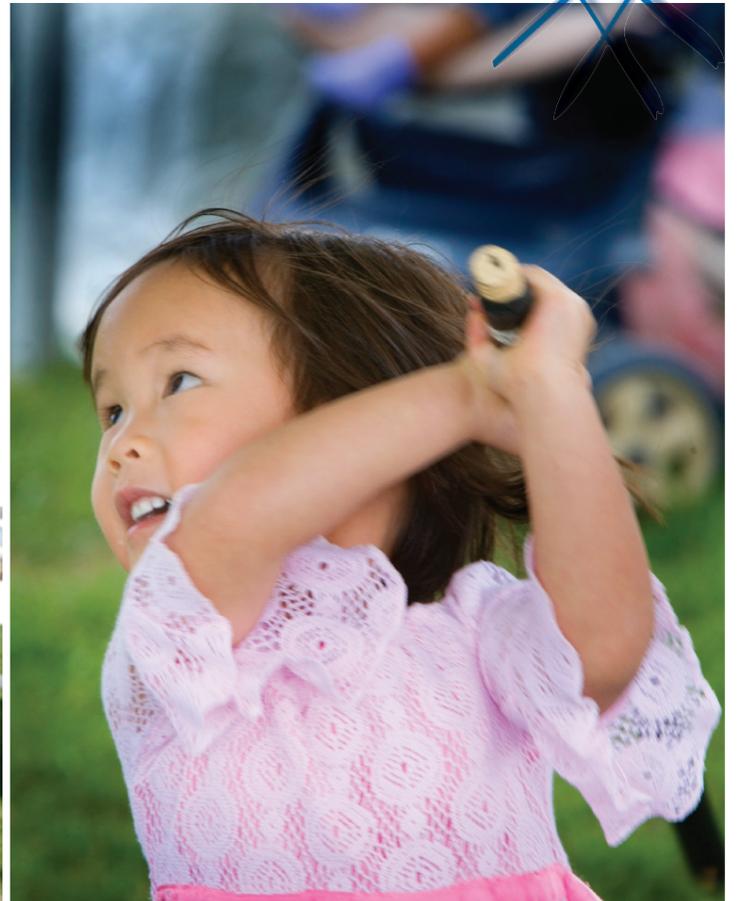
# United Way Fall Fiesta

11 a.m. to 1 p.m. • October 17  
Central Park Square downtown

*Food, music, games, and fun*



# Swingin' at the Fall Festival



Food, fun, music and, entertainment: there was something for everyone—including a couple of brief downpours—at the Laboratory's Fall Festival September 29 at Sullivan Field. Three performers provided musical entertainment, while adults and children looked at displays and watched jugglers perform tricks. Children also broke open a piñata; visited the Science on Wheels science education van; ate cotton candy, hot dogs and other goodies; and played inside several inflatable adventures, including a pirate ship. The Fall Festival was sponsored by Los Alamos National Security, LLC, and gave employees a chance to spend a relaxing day with colleagues, friends, and family. More than 5,500 employees, family members, and guests registered for the event. Laboratory Director Michael Anastasio said he received positive comments from employees at the event as well as through e-mail messages. *Photos by LeRoy N. Sanchez, Records Management/Media Services and Operations*

