

A letter to Sandians from Lab Director Paul Robinson

The Lab News invited new Sandia President and Laboratory Director C. Paul Robinson, who took office Aug. 15, to use this space to speak directly to Sandians about his most urgent concerns. His message follows:

To all Sandians:

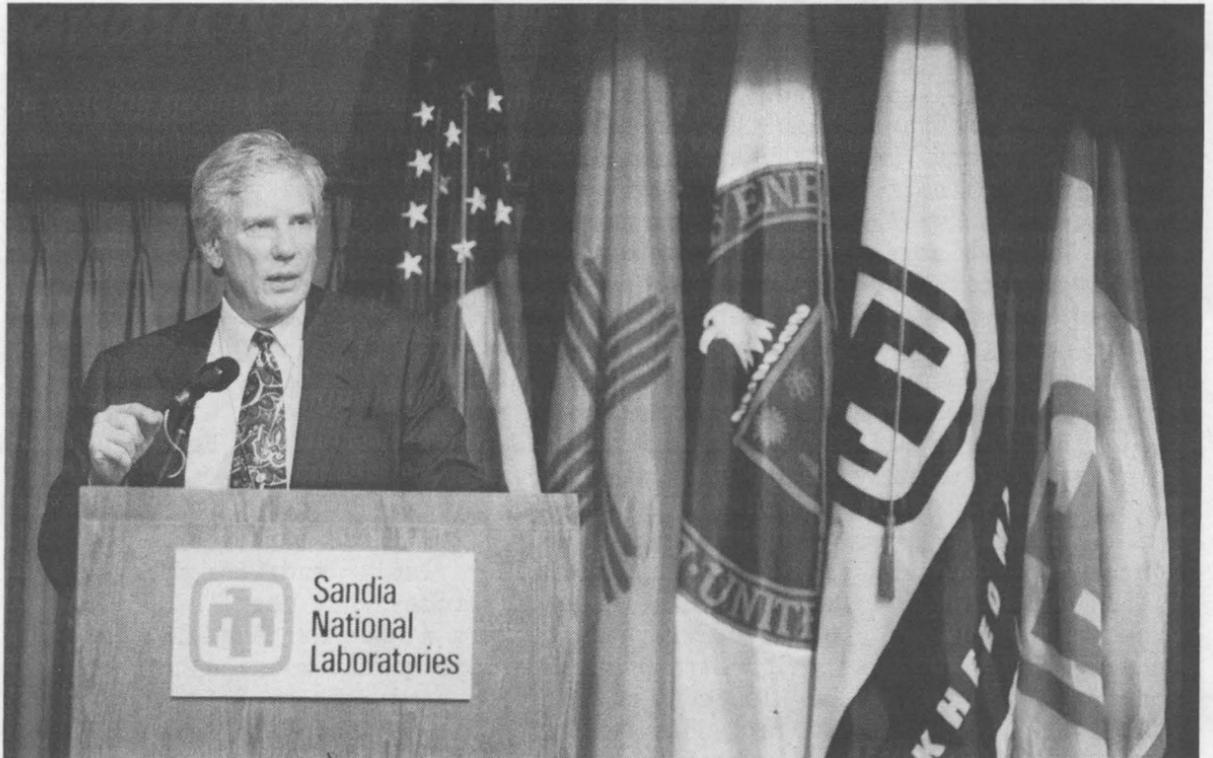
I am filled with both pride and humility as I take on the job as Sandia's President and Laboratory Director. With the perspective gained from a variety of past assignments, I can tell you that our laboratory is certainly among the best in the world. The can-do attitude we bring to problem solving is unrivaled. The talent of the staff, the patriotism and altruism that run so deeply within us, and the important work we are called on to perform make Sandia among the best places on Earth to pursue a career and to make contributions.

While I stand in awe of the historic past of this institution, I come to the job without rose-colored glasses. My unique perspective as VP of the Laboratory Development organization has

provided a realistic view of what is right, as well as what is wrong, here. There is much more right than wrong, but our biggest problems are colossal. These problems hold us back and could well do us in, if we cannot overcome them.

First, I have never witnessed internal
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"Sandia [is] among the best places on earth to pursue a career and to make contributions."



NEW DIRECTOR — Paul Robinson at Sandia's news conference announcing to media his appointment as Sandia's new Lab Director and President. (Photo by Randy Montoya)

Sandia National Laboratories **Sandia LabNews** Vol. 47, No. 17 August 18, 1995

Several employees and contractors disciplined for accessing sexually explicit Web sites

It's 'not just a Sandia problem'

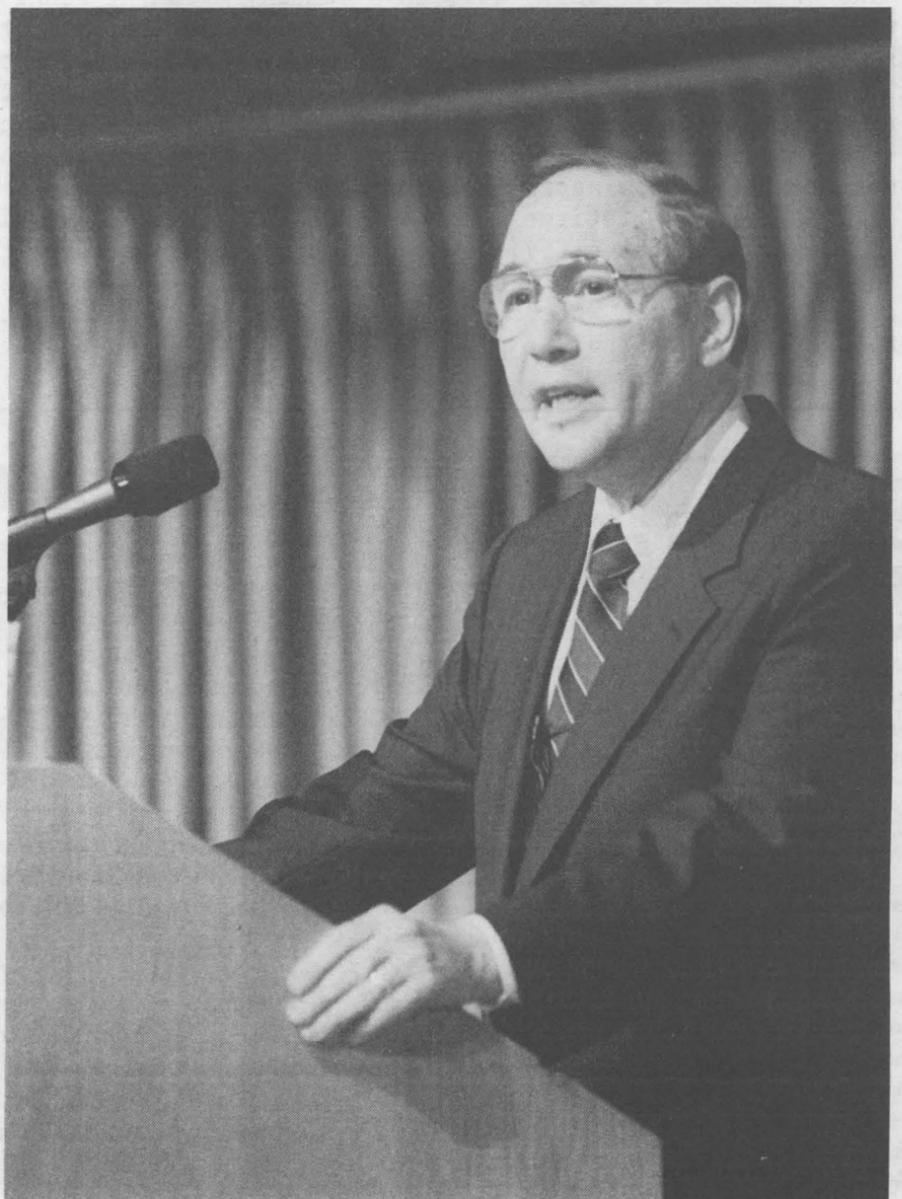
As of Lab News press time late Wednesday, one staff member and six on-site contractors at Sandia/New Mexico had been disciplined for accessing Internet sites containing sexually explicit images through Sandia's World Wide Web server.

The six contractors have been expelled from Sandia premises, and the employee has been placed on administrative leave (with pay) pending a hearing before Sandia's Disciplinary Review Committee (DRC).

In addition, 64 other employees, contractors, and temporary hires have been identified as having repeatedly accessed Internet sites containing sexually explicit images from July 24 through Aug. 1. The most flagrant cases are now under investigation or will be investigated in coming weeks. Some individuals could face criminal charges.

Computer Security Dept. 13221 is able to track employees' and contractors' Web transactions through a Sandia database that keeps a list of Internet accesses, and their originating computers, for three to four weeks. Investi-
(Continued on Page 5)

"We're looking at what some people are doing on the Web, and we don't like what we're seeing."



NATIONAL TUG OF WAR — DOE and the national labs are faring better than expected in Congress these last several weeks, but their future prospects are being contended in an "ongoing struggle" that won't end with the beginning of a new fiscal year. That's what US Rep. Steve Schiff (R-N.M.) told employees who attended a colloquium at Sandia/New Mexico Monday. See story on page 2.

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This & That

No truth to this rumor - Rumors continue to circulate at the Labs about who will replace new Sandia Director C. Paul Robinson and Deputy Director John Crawford in their former positions as VP of Laboratory Development and VP of the California Laboratory, respectively. Being my usual helpful self, I decided to kill one rumor now - that special consideration will be given to people named Ringo and George.

As Paul said in our Aug. 4 issue, he wants to make sure their former positions are configured correctly before they are filled. He did announce last week that Chief Information Officer Mike Eaton (13100) would be acting VP of Laboratory Development effective Aug. 15. John plans to delegate his California responsibilities to various folks there until his permanent replacement is named, maybe before Sept. 1.

By the way, I hope you read Paul's letter to Sandians, beginning on page 1. I think you'll like what he says.

* * *

Familiar faces - Check out the unusual two-person milepost photo on page 10. It's husband and wife Joel Miller (14614) and Lisa Mondy (1512). Both have 15 years of Sandia service today, but there's more to the story. They met on their first day of work at Sandia (Aug. 18, 1980) during their orientation. Joel says he and Lisa both commented to each other that day that they looked familiar. For good reason. They quickly discovered that they had attended the same university at the same time. Both have bachelor's and master's degrees from Rice University, a relatively small (less than 3,000 students, but big academically) private university in Houston. Both, in fact, received their master's degrees in May 1980 - Lisa in chemical engineering and Joel in civil engineering.

They spent some time in the same uncleared work area at Sandia while awaiting their DOE clearances, and both worked initially for the same Sandia center (1500). They started dating that fall and were married in 1985. Joel and Lisa have two mini-Sandians, 5-year-old Elizabeth and 2-year-old Elliot.

* * *

More "life's little hassles" stories - In the July 21 issue, I related my story about how many stores I had to visit to find an average-length pair of black shoelaces. I invited similar stories.

Dennis Miller (contractor) submitted this one. He discovered some problems with his account with a giant telecommunications company, which shall remain nameless so they don't sue the pants off of me. (For the sake of the story, let's call this company "TT&A.") Dennis called TT&A's toll-free number to try to get the problems corrected. After his call had been transferred to a fourth person (total elapsed time of more than 21 minutes, Dennis says), that person told him to call a toll-free number and that someone there could definitely take care of his problem. Unfortunately, it was the same number he had called originally. I think that's called "coming full circle."

And Sandia retiree Joseph Muench, who lives in Placitas, N.M., sent me this short ditty. Joseph called a local restaurant to make luncheon reservations. The person who answered the phone said, "The reservation person who is here is not here right now." Sounds to me like the person answering the phone may not have been there entirely, either.

- Larry Perrine (845-8511, MS 0129)

Future of national labs is a 'tug of war,' says Rep. Steve Schiff

Two major processes are at work as Congress debates the future of the national labs, US Rep. Steve Schiff told several hundred Sandians this Monday at an employee colloquium - the federal budget "number crunching" debate and a philosophical debate about future goals for the national labs.

While acknowledging that the debates are far from over, Schiff indicated at the Aug. 14 colloquium that the Department of Energy and the national labs seem to be faring better in recent weeks than many people expected several months ago. Initial attempts by some House and Senate members to dissolve DOE - "a bad idea" he said - have been beaten back for the moment, and the national labs' budget situation is looking better, he noted. However, he cautioned that the future of the national labs is "still an ongoing struggle - a tug of war."

The debates will likely intensify soon. Congressional hearings are scheduled Sept. 7 on several related bills, including one to establish a national labs closing commission - similar to the federal military base closing commission - and a bill Schiff introduced, the "Department of Energy Missions Act." Leaders from the national labs have been invited to testify at the hearings.

If it becomes law, Schiff's bill (introduced with Rep. Pete Geren of Texas) would establish mechanisms for assigning specific missions to all DOE labs, eliminating unnecessary duplication among them, and streamlining their operations. The bill would require the Secretary of Energy to examine the appropriateness of research and other missions at the labs in light of work being done at other entities such as universities, private industry, and other federal facilities. It would also require the Secretary to seek expert advice about these matters from "appropriate outside individuals."

New majority has new outlook

The New Mexico Congressman said a "new majority" of elected officials - a mixture from different political parties - is seriously questioning what role the federal government should have in scientific research. "There is good philosophical support for basic research," he noted, "but when research gets practical [applied research], this majority starts getting nervous. They get nervous at the idea of government and industry working too closely together. Their view is that government should be over here [on one side] and industry over here [on the other], and they should interface with each other as little as possible."

Schiff made it clear he disagrees with that philosophy and would like to see the national labs continue working cooperatively with US industry: "We live in a new international market, and we should not participate in this market with one arm - or more appropriately stated - half our brain tied behind our back."

He noted that other countries, particularly Asian nations, are combining all their intellectual talents toward all of their goals - whether they involve national defense or producing the next generation of consumer products the countries want to sell around the world.

Schiff also said balancing the federal budget is high on his list of priorities, describing it as an "unalterable goal." He said he did not originally favor moves cutting federal taxes until Congress had first made serious efforts to balance the budget, but acknowledged that other forces had prevailed and that Congress and the Administration will work on both tasks simultaneously.

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Recent Patents

Kurt Wessendorf (2235): Oscillator Circuit for Use with High Loss Quartz Resonator.

Jonathan Weiss (2231): Microbend Fiber-Optic Temperature Sensor.

James Aubert (1815): Microporous Polymer Films and Methods of Their Production.

Anthony Russo (5209): Horizontal Natural Gas Storage Caverns and Methods for Producing Same.

Eric Lindgren and Earl Mattson (both 6622): Electrokinetic Electrode System for Extraction of Soil Contaminants from Unsaturated Soils.

Paul Miller (1128), Frank Dominguez, Paul Pochan, and Michael Siegal (all 1153): Method for Simultaneously Coating a Plurality of Filaments.

David Haaland, Mark Robinson (both 1823), and Edward Thomas (12323): Systematic Wavelength Selection for Improved Multivariate Spectral Analysis.



Teachers spend vacations learning science at Sandia's SUPER! summer program

Workshop provides hands-on, content-rich learning

By Nancy Garcia

California Reporter

It was definitely a "super summer" for 44 teachers and administrators from middle and high schools in California and Florida who attended an intensive, month-long Sandia/California workshop designed to make science education relevant.

Called SUPER! (Science Understanding Promotes Environmental Responsibility), the workshop was initiated three years ago by Sandia researcher Beth Fuchs (8714) and Education Outreach Dept. 8528 Manager Karen Scott.

"These real world issues are used as the vehicle to grab students' attention and help them understand that a knowledge of science is basic to surviving in today's world," Karen says. The institute is a partnership that brings together the technical resources of Sandia, the educational expertise of the Lawrence Hall of Science, and the California Department of Education Reform Effort.

"SUPER! models hands-on approaches to learning," Karen says, "and is intended to dramatically alter the science classroom from one based on textbook knowledge to a content-rich but relevant activity-based study. The sequence of activities is designed to take participants from a broad overview perspective to a more in-depth discussion of the science behind the issues."

To make science relevant, says workshop leader Susan Brady, "We're trying to teach the science behind environmental issues. We want people to make decisions on evidence and reasoning instead of for emotional reasons."

Brady is affiliated with the Lawrence Hall of Science, the UC Berkeley science museum that sponsors the Science Education for Public Understanding Program. Activity kits from that program were supplied to the teachers, giving them additional material to bring back to the classroom.

'Amazing' learning experience

"It's an honor to attend," teacher Jennie Williams said during a break in one of the last days of the program. She's a science instructor at La Joya Middle School in Visalia, Calif. "We're learning so much information in such a short time, it's amazing."

Teacher Antigone Phalares of Will C. Wood Middle School in Sacramento said she particularly appreciated the real-world examples. For instance, a talk by the founder of California's only steel mill, Tamco (based in Rancho Cucamonga), stressed how he successfully won permission to recycle oil filters by inviting all the regulating agencies to his steel mill and asking them how he should approach the problem.

"He was really dynamic — we were sitting on the edge of our chairs," Phalares said.

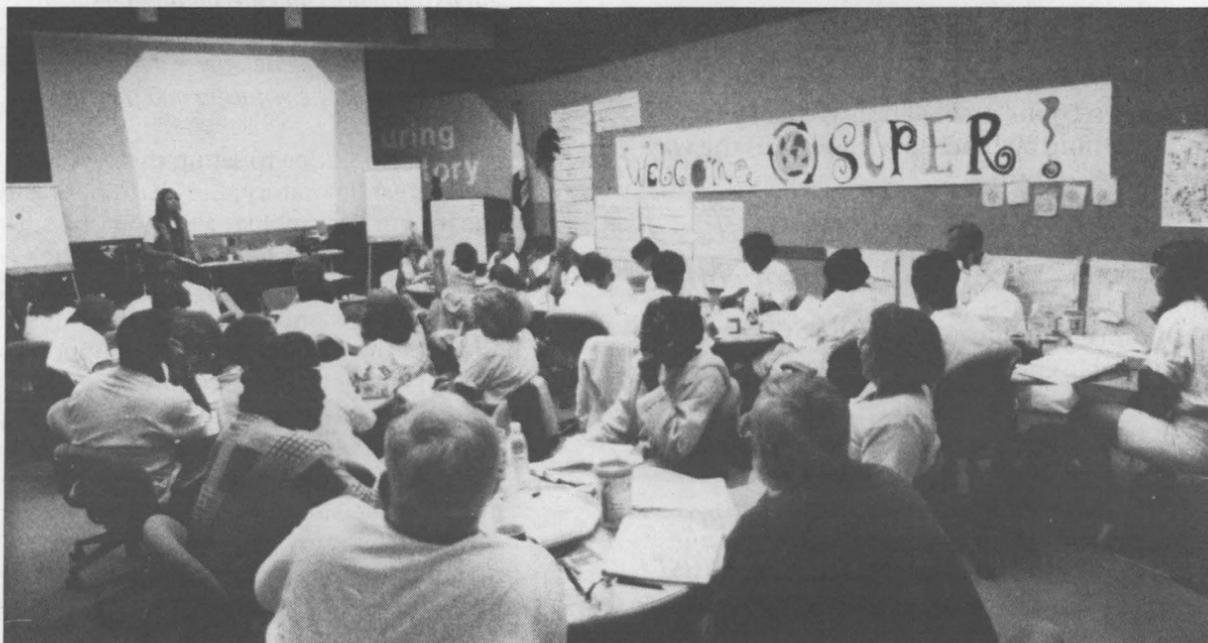
She also liked hearing Sacramento State University physics Professor Mike Shea, who "showed us how we learn by having us do it. I'd rather learn that way than being fed a lot of information. We don't just want to learn facts, we want to learn about ourselves and our kids and how to teach our kids."

This approach is one of the reasons she likes teaching science. "I love it. It's kind of like hands-on math," Phalares said.

Ideas for their classrooms

The teachers received plenty of ideas and materials to allow them to continue the hands-on theme in their classrooms.

"This is a good example of how good edu-



SUMMERTIME SESSION — Science teachers learned how to use activities instead of textbooks to make science education relevant during the SUPER! program at Sandia/California.

cation can be if it's fully funded," said Scot Gillis, a social studies teacher at Leland High School in San Jose who will explore team-teaching science topics with other teachers at his school.

"It definitely is 'super,'" added his fellow teacher Kathy Finney.

Team leaders from each of eight participating school districts will be given time during the school year to co-teach or do in-service presentations for other teachers who may want to use the materials in subject areas such as math, language, and social studies. This time is "a big deal," Brady said, since the district pays for substitute teachers when the teacher is out of the classroom.

The Florida school district also paid to send 10 teachers and two administrators to participate in the program, which allowed valuable interaction between educators from widely separated sites, Karen said.

To continue supporting the teachers during the year, Sandia provides a newsletter in which new ideas and successes are shared, and a "hot line" giving teachers a chance to ask Sandia scientists questions and get new leads on information. As many SUPER! participants as possible will return to Sandia twice during the school year to discuss their progress and learn more about current environmental issues.

SUPER! is funded by DOE as part of a national strategy to revitalize and reform math and science education. Contributors to the SUPER! program include Sandia, the Lawrence Hall of Science, the Livermore Valley Joint Unified School District, the California Department of Toxic Substance Control, the California Department of Education, Lawrence Livermore National Lab, and the Math/Science Division at the Chabot-Las Positas Community College District.

Sandia California News

Supervisory appointment

MARIE DREMALAS to Manager of Business Operations Dept. 5311.

She joined Sandia/California in 1963 in the Document Control office, then moved to the Technical Library in the classified vault area. Next she worked in the Budgeting and Accounting Division, then as procurement coordinator for the W82, B83, W89, and W71 programs in the Procurement Support Section.

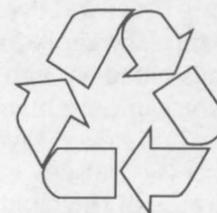
More recently she was named administrative assistant for California Weapon Development Center 5300 where she joined a 5300/8100 team, handling administrative issues for these

centers and budgeting issues in the Defense Programs Sector. Then in 1994 she was named team supervisor of Development & Administrative Support (5361-1).

Marie is a graduate of St. Mary's High School in Stockton and earned an AA degree in business from Delta College.



MARIE DREMALAS



This newspaper can be recycled with Sandia office paper

Robinson letter

(Continued from Page 1)

processes as complex, unwieldy, or as taxing as ours. In our financial management efforts we have grown to a very unhealthy level of detail, and we appear to be hurting ourselves far more than the external "micromanagement" we have often complained about. We collect data on everything but end up with little in the way of valuable information to act upon in thoughtfully reducing our costs. Almost every organization is spending considerable effort in keeping its own set of books. There is also a compulsion that drives us to design our own software, which is many times more complicated than comparable commercial systems. In short, the growth in overly detailed systems and countless constraints is destroying our agility. These problems have been growing for a long time, so let's not waste any time pointing fingers of blame; rather, let's all pull together to solve them. Bringing rationality (and commercial software) into our business processes will be my first priority.

Sandians' innate drive to excel has also made our ES&H processes so detailed and complex that the root cause of many of our latest "near misses" is attributed to having so many rules that it is difficult to know which ones must be obeyed, thus fewer of our staff are bothering. Clearly, the return of common sense and mindfulness on the part of everyone is the right recovery path. We must simplify, simplify, simplify.

While the five Sandia values are outstanding touchstones, we all too often see behaviors that represent a sixth, unwritten value — autonomy. For a laboratory famous for creating "system solutions," artificial internal barriers and boundaries ravage our energies and hold us back from our best contributions. I ask for your pledge, and offer mine, to declare

"Clearly, the return of common sense and mindfulness on the part of everyone is the right recovery path. We must simplify, simplify, simplify."

"... we all too often see behaviors that represent a sixth, unwritten value — autonomy."

Robinson: 'Serious obligations' and a 'great laboratory'

Here, slightly edited, is the opening statement by Paul Robinson at his news conference in Albuquerque Aug. 4 at which his appointment as Sandia's Lab Director and President and John Crawford's as Deputy Director and Executive Vice President, effective Aug. 15, were announced to the news media and the external community:

John and I hope to set up the new team for this great laboratory. Al Narath has really done it right. He's not stepping out, he's stepping up. There's no question that he's also leaving this laboratory with the best reputation it's ever had. I think the contributions of the laboratory and the support from our customers have been very strong. The technical staff is, of course, outstanding. So it's quite a challenge that John and I are taking on at this point to now see what we can do to push it even higher.

I have spent my whole career doing research and development type things in laboratories. This laboratory, I believe, is the finest. The management approach — having an industrial model, first with AT&T and now with Lockheed Martin — is serving us very well. The Galvin task force, which examined all the national laboratories in some depth last year, suggested that the key to improvement of those laboratories and the key to ensuring their future is to use best business practices. In this, I believe Sandia has taken a major step ahead and is in the lead with the corporate model we've used in carrying out all of our work.

I have spent some time in nuclear weapons issues, both technology and policy. I think nuclear weapons will continue to

underscore the nation's strength. We are not the only superpower with a large arsenal of nuclear weapons, but certainly I believe we're being looked up to by a wider spectrum of nations to help ensure peace as well as ensure freedom throughout the world. That's an obligation that I think all of us who've worked in the nuclear weapons program take very seriously and intend to treat just as seriously in the future.

The other missions of the laboratory — in energy and environment, in advanced technology, in support of the DoD and other major customers — I believe make us a more interesting research institution and provide benefits to our nuclear weapons activities. No single organization can provide all the R&D it needs for its own programs. Similarly, no research laboratory can find applications for all of its ideas within the programs it's responsible for, so it seems almost natural that teaming has to be of greater and greater use and power in R&D communities in the future.

Our teaming with industry has been very strong. I've had the privilege of working with the technology transfer activities. The Congress has been very good to us in setting forward legislation to encourage such industrial partnerships but has left it up to us to decide what are the best routes to make that possible. I am an experimentalist by training, and I must say we have been experimenting. What is the best way by which we can diffuse the laboratory's technology to greater use out in industry? I think the successes to date are only going to continue to grow in the future.

war on autonomy and turf within the laboratories: The nation expects more of us, and we should expect more of ourselves. We need each other's inspirations far more than criticisms. Fragmentation and disconnects rob us of business opportunities as well as technical achievements. Interdependence (as management/leadership expert Stephen Covey has defined it) is the key to combining our talents to produce exceptional and lasting achievements.

We also have room for improvement in knitting ourselves together to create new projects and programs. The Galvin Task Force report (*Alternative Futures for the Department of Energy National Laboratories*) correctly cited that our unique role is in carrying out large, multidisciplinary technical projects that are at the frontiers of science and are of major national

importance. Could anyone wish for a more worthy challenge? I am committed to improving our processes for ensuring that the ideas you generate get the best hearings and considerations in creating these programs. You have the right to expect Sandia to be a thriving marketplace of scientific and technical ideas and to be prepared to focus on the best ones. We can all turn up the rate of idea generation, competition, and continuous improvement. When it works right, it is beautiful to behold. This year's novel achievements in 50-percent-efficient lasers, smaller and lighter airbags, world speed records in computing, and synthetic aperture radars should inspire us all.

Finally, I know all of you are tired of hearing
(Continued on next page)

Crawford: 'Turbulent times' and an 'enduring mission'

Here is the opening news conference comment of John Crawford, selected to become Laboratory Deputy Director and Executive Vice President (John was in California speaking to local media there and to New Mexico media by video link):

I think Sandia is a great institution. I've been here a long time, and I've been privileged to serve this laboratory in many parts. In fact, Sandia is broad enough and diverse enough that one can have many careers within the Labs and never leave it, and I believe that that is a true advantage.

Today, because of the rapid evolution of the national agenda, these are particularly turbulent times for our laboratory, as with most of the country's R&D organizations. As

we look toward the future, although I expect Sandia to change significantly in the next few years, I'm truly confident that we will emerge from this period of realignment and rapid evolution as an even stronger institution with our enduring mission of national security and, in general, technology support for the federal government and its agenda.

Our California lab is and has been an integral part of our corporate structure and will continue to be a crucial part of Sandia's success. I know that both Paul and I expect even greater things from this facility and its staff.

It's a particular privilege to serve with Paul as his deputy, and I consider it my job to help him achieve his vision for this very great laboratory.

Sandia's Presidents

George Landry	1949-1952
Donald Quarles	1952-1953
James McRae	1953-1958
Julius Molnar	1958-1960
"Monk" Schwartz	1960-1966
John Hornbeck	1966-1972
Morgan Sparks	1972-1981
George Dacey	1981-1986
Irwin Welber	1986-1989
Al Narath	1989-1995
Paul Robinson	1995-

Note: Before 1949, Sandia was a small branch ("Z" Division) of Los Alamos. The directors were Jerrold Zacharias (1945), Roger Warner (1946), Robert Henderson (acting, 1947), and Paul Larsen (1948-1949).

Web misuse

(Continued from Page 1)

gation of computers confirmed what sites employees and contractors had visited and when. There is no evidence that any of them were permanently downloading images onto their computers.

This isn't the first time Sandians have been disciplined for computer misuse involving sexually explicit materials obtained through the Internet, says Sandia's Ethics Director Jack Dickey (12700). Last year, similar incidents at Sandia/California resulted in the removal, suspension, or termination of four people. Lawrence Livermore National Laboratory also terminated several employees last year.

A pervasive workplace problem

Web abuse isn't just a Sandia problem, says Jack. Internet misuse in the workplace is on the rise everywhere. Many companies that have extended Internet privileges to employees have dealt with similar cases, he says.

"It's important that Sandians have ready access to this wonderful communication tool," he says. "At the same time we have to remind ourselves that as a government-funded laboratory, Sandia must answer to the taxpayers who pay for our time and computers. We have to avoid even the appearance of misusing government funds."

In addition to the people who have viewed erotic material on the Internet, he

(Continued from preceding page)

ing our admonishments to work harder during these turbulent budget times, or that "it looks okay for next year, but we foresee a 'train wreck' the year after." We've done well over the past five years, in spite of the projections, because so many of you have focused very hard on customers, but

also perhaps because of some amount of "luck" (the right combination of preparation and opportunity). I believe we can still prosper and can provide even greater value, but we must get better by becoming more efficient.

Pessimists say we will not expend the effort it requires to fix the problems I cited above, as long as there is no "burning platform" to shock us into action. I refuse to believe that, and I ask you to join my side of the argument. We must make the big changes needed now, while we still have the money to accomplish them; it will be much harder when the funds to invest in these changes are not available.

On Tuesday, Aug. 15, John Crawford and I reported to work for you. Thank you all for accepting us as your new leaders. We look forward to great things!

C. Paul Robinson

"... as a government-funded laboratory, Sandia must answer to the taxpayers who pay for our time and computers."

"We can all turn up the rate of idea generation, competition, and continuous improvement."

Some pertinent rules for Internet use

A recently updated "Web Use Policy" link on Sandia's Internal Web homepage provides guidance on appropriate Web use.

In addition, Sandia's *Computer Security Desk Reference* includes the following phrases relevant to Internet use:

- "All Sandia computers are to be used exclusively for official purposes, which include . . . Sandia work assignments, Sandia authorized training (including class assignments), and Sandia-related (including benefits) communication."
- "The following are prohibited uses: playing games (even outside of work hours), any work related to non-Sandia employment or business, class assignments for courses not authorized by Sandia, personal projects (e.g., writing a novel, doing your taxes), any use by persons not connected with Sandia (e.g., family members)."
- "Sandia considers proper use of Government resources a serious issue. Employees have been terminated for misuse."
- "Improper acquisition and use falls

into the collective category of waste, fraud, and abuse."

- "Managers are responsible for ensuring that computer systems under their control are used according to SNL and DOE policies. As a part of this responsibility, managers must ensure that files are periodically inspected to verify that usage is work related . . ."

- "Employees do not have an expectation of privacy on any aspect of computing at Sandia. All files and electronic transmissions, including e-mail, are subject to inspection and monitoring at all times."

Sandia's *Code of Ethics and Standards of Conduct* booklet states:

- "Examples of unacceptable behavior at Sandia include . . . use or display of sexually explicit or suggestive words, pictures, or objects."

- "Tardiness, abuse of established break and lunch periods, unexcused or excessive absence, and failure to pursue assigned duties during work periods are examples of unacceptable behavior."

says, a surprising number of people are spending time, often during lunch hours or after normal working hours, accessing sites that are obviously unrelated to Sandia work.

"We're looking at what some people are doing on the Web, and we don't like what we're seeing," he says.

"DOE policy states that Sandia computers must be used exclusively for official business, regardless of whether it's costing the government any money. Unless DOE alters that policy, any other interpretation is unacceptable," he says. (See "Some pertinent rules for Internet use" above.)

An updated "Web Use Policy" link on Sandia's Internal Web homepage provides guidance on appropriate Web use. (Paper copies of this policy statement are available from the Ethics Center office; call 844-2270.)

What's 'official use?'

Jack admits it's sometimes difficult to draw a firm line between what constitutes official use and private use. For instance, is it acceptable to read an on-line newspaper at work every morning?

"If we're doing work in the national interest, then we've got to know what's going on out there," he says. "So is it OK to read *The New York Times* on the Internet? For a few people, probably. For others, definitely not. The definition of official use may vary

from person to person.

"We should continually ask ourselves if taxpayers would approve of what we're doing with their computers," he suggests. "It goes without saying that viewing pornography is not official use, not by any stretch of the imagination."

It's also acceptable for new users to explore the external Web, he says, but within the confines of DOE policy. "We must do our exploring on work-related activities," he says. "If you accidentally stumble on a site that's inappropriate or not work related, leave it and don't go back."

Ultimately, he says, managers are responsible for monitoring what employees and contractors are doing, and viewing, at work. Managers can get information about monitoring local area network (LAN) activities from their system administrators.

The Labs has begun blocking Web accesses to sites that contain sexually explicit material, says Craig Jones, Manager of Corporate Computer Security Program Management Dept. 13203. But new erotic material is posted on the Web every day, he says.

"Some people may think it's a challenge to beat the system," he says, "but if they gamble, they need to know that the stakes include their employment status at Sandia. We will continue to monitor what people are doing on the Web." — John German

Survey, training to address corporate ethics

The survey form Sandians should have received by mail at their homes this week is part of an agreement between Lockheed Martin and the Air Force to measure employee attitudes toward and awareness of the corporate Ethics & Business Conduct Program.

The agreement was reached after Lockheed Martin was found guilty in January of making payments to a foreign government official and knowingly falsifying books and records regarding the official's status as a consultant.

The company acknowledged improper conduct of its employees and paid a fine of nearly \$25 million. The episode was considered serious enough to provide cause for Lockheed Martin, the nation's largest defense contractor, to be barred from doing business with

the government.

The agreement with the Air Force was meant to ensure that the company's future dealings with the government will be conducted responsibly.

Participation in the survey is voluntary. Its results will be compared to similar results from other organizations within the Lockheed Martin corporate family and with other industries'.

In addition to the survey, Sandians at all employment levels will receive ethics training between now and the end of the calendar year, says Jack Dickey, Sandia's Director of Ethics (12700).

Questions about the survey or the incidents that inspired it should be addressed to Jack at MS 0182, 844-2277.

Hobbyist Dave Straub crafts scale-model 'flying boats'

Award-winning seaplane collection may be shown at Smithsonian

By John German

Lab News Staff

What do you get when you cross a boat with a bird? Dave Straub (5932) will tell you — but don't get him started.

Dave's a true hobbyist, an aficionado of seaplanes. If you asked, he'd give you a detailed history of flying boats like the "Pink Lady" or the Sikorsky S-38. He'd recite eagerly how many Martin Clippers were manufactured, where they were manufactured, and what routes they serviced. He'd recount when and where a particular plane crashed, why it crashed, and what's left at the crash site today.

His knowledge of seaplanes is so extensive that Ron Davies, the Smithsonian Institution's Director for Civil Aviation and well-known author on civil aviation, sometimes calls on him when the specifications of a particular aircraft are in question. Dave's personal archives contain literally thousands of photographs, drawings, and plans for a hundred varieties of flying boats.

"I've corrected a few of Davies' drawings used in his books," he beams ever so modestly, leafing through a four-inch-thick binder of old black-and-white seaplane photos. "I try to pay him a visit whenever I'm out there on travel."

Few airports, lots of water

His passion is manifest through his collection of scale-model seaplanes, each a miniature, detailed replica of an actual craft flown during the late 1920s and 1930s, a period Dave refers to as the "golden age of civil aviation." It was during those years that Americans began to view the "flying machine" as a means of transportation rather than as a scientific novelty or military tool, he says.

Because commercial airplanes were so new then, few landing strips had yet been built. Aircraft companies devised "float planes," with hulls for fuselages, that could land on water and thereby service major port cities, as well as inland towns near rivers and lakes. By the end of World War II, during which hundreds of landing strips from Hawaii to Maine sprung up, the flying boats had become obsolete.

Dave's fascination with seaplanes took off four years ago during a visit to the Smithsonian's Air & Space Museum, where he was

intrigued by a temporary display on the history of Sikorsky Aircraft. (Sikorsky was one of three major US manufacturers of commercial seaplanes, along with the Glenn L. Martin Co. and Consolidated Aircraft.)

"I had done some kit modeling as a teenager," he said. "I saw those planes, and I wanted to go home and try to build them in wood."

He dug up some old drawings and photos from books and library archives, scaled-up a set of plans using drafting tools he had used as a teenager, and began carving his first two Sikorskys. He's since joined the Albuquerque Scale Modelers Association.

All from scratch

Dave describes the model building process as "nerve-racking and time-consuming."

First he researches the planes, drawing up plans (at 1/62, an admittedly "oddball" scale) from photos, drawings, and manufacturing specifications. Then he finds an appropriate block of wood and begins carving, whittling, filing, and lathing. He prefers jelutong (a fine-grained South American hardwood) or bass wood (a forgiving modeling wood). He doesn't use templates; he shapes



DAVE STRAUB (5932) builds scale-model seaplanes from wood, wire, plastic, and epoxy, based on extensive research of the history and specifications of each plane. A visit to the Smithsonian's Air & Space Museum four years ago ignited his passion for the unusual aircraft.

each piece using only his eyes as a guide.

He works on a group of two, three, or four planes at once. Each group takes six to ten months from start to finish, depending on the size of the planes. "The bigger ones are typically easier than the smaller ones because of the detail involved," he says.

Engines are made from cast epoxy, with copper or brass wire replicating metal parts. Tiny wheels and engine casings are crafted on a small lathe. Intricate landing gear, minute rivets, and fuselage contours are made from fine modeling wood or tape.

"As you go on, you learn tricks, you get better at certain things," he says.

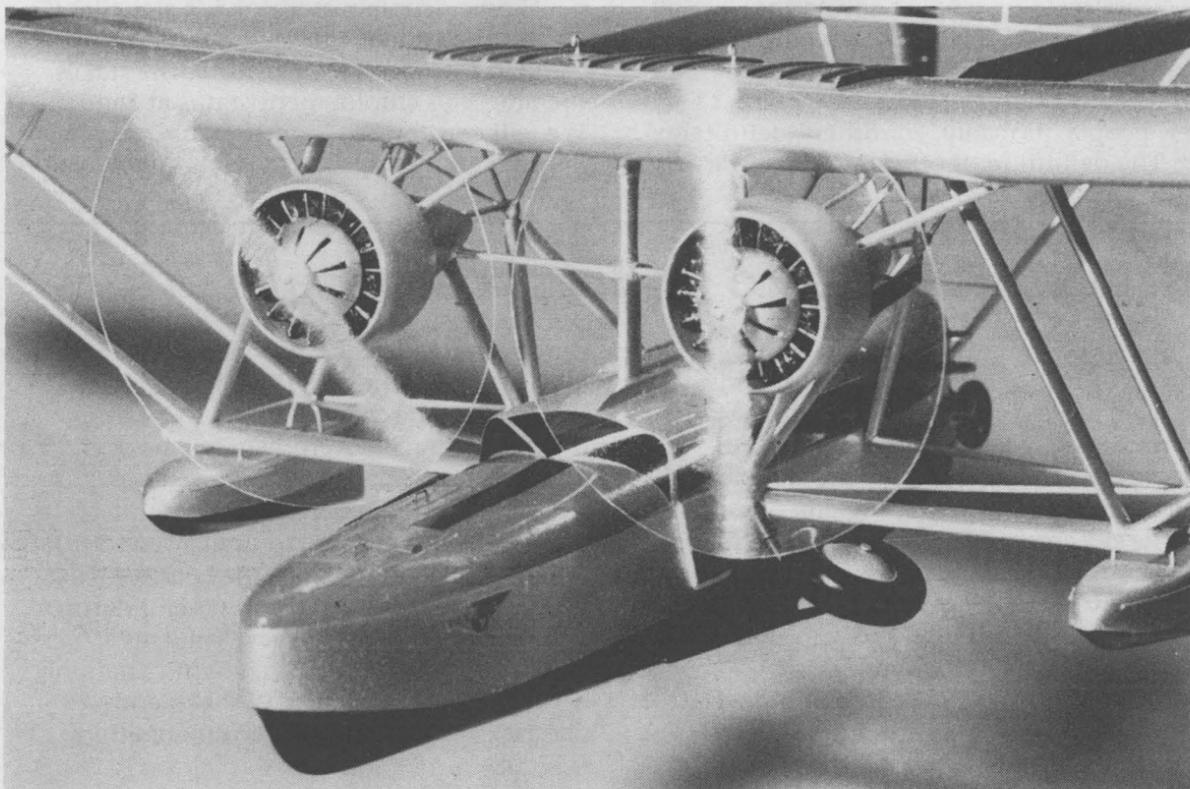
Each plane is sanded and painted at least 50 times. Exterior color schemes and patterns re-create real paint jobs on individual seaplanes, even planes that were uniquely painted after they left the factory. Metallic-silver exteriors, which Dave says are the most difficult to replicate, look like real aluminum.

As a finishing touch, he re-creates finely detailed emblems and markings on each wing and fuselage using special wet-decal material, a copy machine, and his personal computer.

Next up . . . airships

His 12-piece collection recently won First Place for Collections at the International Plastic Modelers Association national convention held in Albuquerque July 8-9. (The contest is open to other types of modeling.)

But Dave isn't ready to quit just because
(Continued on next page)



CLOSE-UP of this Sikorsky S-41 shows the intricate detail Dave includes on each of his models, from the tiny hooks on the top of the wing, to the wire-and-epoxy engine interiors, to the minute ribbing on the pontoons.

Attn. retirees: Thunderbird Club now maintains a World Wide Web page for you

Are you a Sandia retiree with access to the World Wide Web via your home computer? If so, you might want to check out the following Internet address: <http://pages.prodigy.com/NM/thunder>.

Bernie Stiefeld, a recent Sandia retiree, has set up the "Sandia retiree information page" so you can get instant information about what's going on in the retiree world.

The page is sponsored by the Thunderbird Club (a Sandia retirees' group). Right now the page is posted temporarily on Bernie's Prodigy account; he says he's working with Sandia's Web people to get the page posted permanently on Sandia's Web server. (A link to the page has already been set up from Sandia's External Web page, <http://www.sandia.gov/>, "Other Links" option.)

So far, the page primarily contains information about Thunderbird Club activities. But Bernie would like your help in expanding and improving the page.

He's already working with Sandia's Benefits organization to get updated Benefits information relevant to retirees posted on the page. He's also working to post contact numbers for retiree resources such as the Social Security Administration, Medicare, etc. Eventually, he says, he'd like to add links to various other pages on the Internet that could be useful to retirees.

If you have information or ideas that might help Bernie improve the Sandia retiree information page, contact him via e-mail at SBAU90A@prodigy.com.

'Strategic Alignment' to cut \$1.7 billion from DOE budget

Implementation will also cost 3,788 jobs

DOE plans to cut \$1.7 billion and 3,788 jobs from its budget over the next five years, and it has now revealed how it intends to reach its goal.

Energy Secretary Hazel O'Leary released a detailed "Strategic Alignment" implementation plan, which calls for cutting overhead; reducing DOE's workforce 27 percent; and closing or consolidating field offices, accounting centers, energy offices, national defense-related offices, and technology centers.

Under a variety of pressures, DOE began to reshape itself two years ago. The Strategic Alignment initiative began last summer with the goal of changing the way DOE does business. Commitments to reduce the budget were announced May 3; specific information on how DOE plans to accomplish its commitments was announced Aug. 3.

Plan specifics include:

- **Cutting overhead.** More than half of the \$1.7 billion budget cut will be shaved from overhead costs by reducing travel, realigning information management functions (by standardizing computer or telecommunications hardware, software, and data administration), closing and consolidating office space, selling assets, streamlining National Environmental Policy Act processes, and reducing DOE's reliance on support service contractors.
- **Reducing workforce.** The Energy Department plans to reduce its workforce by 3,788 positions (27 percent) by the end of FY 2000. The majority of the reductions — 67 percent — will occur during the first two years. Head-

quarters staffing will be reduced 33 percent, and field positions will be reduced 21 percent. DOE says it will not sacrifice lower-graded jobs to protect management positions and believes the Strategic Alignment process will help it achieve a supervisor-to-employee target ratio of 1:15 (the ratio is currently 1:10). DOE says it is committed to using all available tools to assist employees affected by the Department's downsizing including offering voluntary separation incentives (buyouts), early retirement, furloughs, part-time employment, outplacement and job search assistance, and retraining assistance.

- **Closing or consolidating offices.** DOE plans to accomplish further savings by closing or consolidating 12 field offices, consolidating 18 accounting centers into three locations (Albuquerque, Oak Ridge, and DOE Headquarters), consolidating numerous energy offices into an Energy Resources "cluster," and consolidating various national defense-related functions and offices into a National Security "cluster." Other offices will be merged including the Pittsburgh and Morgantown, W. Va., technology centers, which DOE says will be "operated as one technology center with two sites."

Sandians can track DOE's progress in implementing its Strategic Alignment plan by accessing the DOE Homepage on the World Wide Web. Select the Web location, <http://www.doe.gov>, then select Department of Energy News and Hot Topics, Strategic Alignment.

(Continued from preceding page)

he's won a top award. He's working on four more small Sikorsky planes. "I'll end up building about eight more planes before I consider my collection fairly complete," he says.

He's also planning to model a few dirig-

bles (also known as airships or "Zeppelins"). Plans for his first airship hang on his workshop wall: a four-foot-long replica of the Shenandoah, a US Navy helium-filled dirigible commissioned in 1923 and destroyed in a storm over Ohio in 1925.

His latest project is to put together a presentation about seaplanes, which he hopes to deliver to various groups under the Smithsonian's auspices. The Smithsonian's Air & Space Museum also is considering putting his collection on display; Ron Davies has asked him to submit photographs showing the detail on each of the planes.

Dave says he's thought about what will happen to his collection when he's gone. "I still have to go look at my planes almost every day," he gushes like a proud father. "So at least while I'm alive I'll keep them."

In the long run, though, he admits he'll have to find an appropriate museum to donate the planes to. "I'd prefer to give them to a museum that will put them on permanent display rather than in some second-floor archives where nobody will see them," he says.

And what about the collection's worth? "How do you put a price on these?" he asks. "I've never heard of anyone doing models of some of these planes . . . maybe a couple thousand dollars each.

"But I'd never sell them," he asserts. "I build them purely for my own pleasure."

'Tug of war'

(Continued from page 2)

Although he supports DOE, Schiff said in response to a question that establishing a federal Department of Science might be a good idea. "From everything I've seen, I favor the creation of a Department of Science. There are some strong objections . . . but it would give the federal government a focal point for its philosophy — what science is all about, where we are going, and why. It would provide a focus to promote the budget for scientific research."

Schiff is Chairman of the Basic Research Subcommittee of the House Science Committee, and is a member of that committee's Energy and Environment Subcommittee. He also sits on the Government Reform and Oversight, Judiciary, and Standards of Official Conduct committees. He was first elected to Congress from New Mexico's 1st District in 1988 and has been reelected three times.

Outgoing Sandia Labs Director and President Al Narath introduced Schiff, noting that both began their jobs in 1989. It was Al's last day directing Sandia; he officially began his new duties as president of Lockheed Martin's new Energy and Environment Sector Aug. 15.

Al and new Sandia Director and President C. Paul Robinson met privately with Rep. Schiff before the colloquium. — Larry Perrine



PAIR OF CLIPPERS — Dave displays two very similar seaplanes originally manufactured by the Glenn L. Martin Co. (now Lockheed Martin) in the early 1930s. The luxurious Pan Am "China Clipper" (in Dave's hands) serviced the San Francisco Bay to Hong Kong harbor route from 1936 to 1941. The so-called Soviet Clipper was sold to the Soviet Union, which put it to military and commercial use.

★ Congratulations

To Mary (6000) and Dave Neale, a daughter, Ashley Nicole, July 31.

To Becky (6625) and Mike Hebron, a son, Andrew Thomas, Aug. 3.

🤝 Welcome

New Mexico — John Burns (9426), Jean-Loup Faulon (6211)

Indiana — Marcey Abate (12323)

Protocol staff sets the stage for visiting VIPs

'Zero-defect operation' presents Labs to distinguished visitors

By Mary Hatheway

Lab News Intern

Gloria Zamora (12120) was just a kid when John Glenn orbited Earth in 1962. When he came to Sandia more than 25 years later, Gloria, who was handling Sandia's protocol needs at the time, helped host his visit.

"He was very personable," Gloria says of the former astronaut turned senator. "He talked to everyone — the security staff, the pilots. He made you feel special."

Gloria now works in Government Relations Program Office 12120, but was working as a librarian at Sandia in 1988 when she began overseeing protocol, a job she performed for six years.

"Arlyn Blackwell (ret.), who was Director of the Management Staff Department, understood that the way people are treated when they visit Sandia is a mirror of the way the laboratory is managed," Gloria says. "He asked me to take on the responsibility for visitors so they all received consistent handling. I learned on the job and did some things by the seat of my pants, but I did whatever it took to keep customers happy."

In March 1994, Gloria passed the protocol torch on to Deborah Payne, a former Navy commander and now Manager of Protocol and Community Relations Dept. 12670. Deborah is in charge of the office that welcomes and hosts all of Sandia's distinguished visitors, including senior officers from the armed forces, industry leaders, senators and congressmen, government officials, and university heads. Last year, the office handled 126 visits and a total of 922 visitors. Deborah says she and her staff of three protocol officers, Bobbie Burpo, Connie Nenner, and Cindy Restrepo, strive to run a 'zero-defect operation.'

"The Protocol Office sets the stage for the substantive discussions that take place when these visitors come to Sandia," she says. "We handle the details of the visits so they come off without a hitch and the work that needs to be done goes smoothly."

Determining how to present the Labs to each visitor and developing agendas for visits is a major part of the work the protocol officers do. This entails defining who visitors will meet with, what they will do here, where they will visit, and what information should be conveyed. The officers also handle all associated

detail work, including arranging security, transportation, conference rooms, lodging, and food.

To carry off each visit successfully, Deborah says her staff relies on support from the line. "We work closely with the line organizations to develop agendas and coordinate schedules," she says. "We count on Sandians to help us present the Labs in the most favorable light. They give briefings and tours and support us as much as possible. They understand how important these visits are."

Deborah says that when Lockheed Martin (then Martin Marietta) began managing the Labs in 1993, a decision was made to upgrade the Protocol Office and increase the staff to better meet the needs of Sandia's executive management.

"I've noticed the pace and significance of these visits, as well as the public relations events and ceremonies that we host, has increased over the past year," she says. "The decision to expand protocol came at just the right time."

Going that extra mile

Deborah says attention to detail, good people skills, and the ability to quickly change tasks are essential tools for anyone who works in protocol. And she ought to know. Before becoming manager of Sandia's Protocol Office,



VIP VISITORS — Sandians Nestor Ortiz (left), Director of Nuclear Energy Technology Div. 6400, and Deborah Payne (second from left), Manager of Protocol and Community Relations Dept. 12670, recently hosted the visit of Shirley Jackson (second from right), Commissioner of the Nuclear Regulatory Commission, and David Morrison (right), Director of the Office of Nuclear Regulatory Research. Sandia's Protocol Office welcomes and hosts many distinguished visitors, including senior officers from the armed forces, industry leaders, senators and congressmen, government officials, and university heads.

Deborah was Chief of Protocol for the former Chairman of the Joint Chiefs of Staff, Gen. Colin Powell, and for former Chief of Naval Operations, Adm. James Watkins.

"In protocol, the message you try to get across is that everyone is special," she says. "You learn to think about every single detail. You go that extra mile to ensure both the visitor's and host's expectations are met."

A new initiative in the Protocol Office is strategic visitor planning. "Because the Labs is no longer in a position where funding is assured, we need to identify key players in budget and technology issues and bring them to Sandia to see the great work being done here," Deborah says.

Recent visits

Some of the VIP visitors Sandia's Protocol Office has hosted over the last nine months include:

Senator Jeff Bingaman
Senator Pete Domenici
Representative Steve Schiff
Wesley D'Aranjo, Deputy Secretary for Technology, Ministry of Defense, Singapore

Stan Gault, Chairman and CEO, Goodyear Tire and Rubber Company

Charles Gay, Director, National Renewable Energy Laboratory

Paul Kaminiski, Under Secretary of Defense, Acquisition and Technology

Vladimir Nechai, Director Chelyabinsk-70, Russia

Alex Sanchez, President, Albuquerque Technical-Vocational Institute

Dan Tellep, Chairman, and Norm Augustine, President, Lockheed Martin Corp.



ATOMIC REUNION — Jack Dickey (12700, left) talks with Fred Bock, chairman of the 509th Composite Group 50th anniversary reunion, at Sandia's Tech Transfer Center Aug. 9. The 509th is the Army Air Force unit that carried out the atomic bombing missions over Japan in August 1945, ending World War II. The B-29 aircraft that dropped the Fat Man plutonium bomb on Nagasaki Aug. 9, 1945, was named Bock's Car (or Bockscar) for Bock, who was its usual pilot. For the Nagasaki mission, however, Bock piloted the instrument plane, The Great Artiste, while Charles W. Sweeney piloted Bock's Car. About 350 members, wives, relatives, and friends of the 509th attended the reunion Aug. 5-10 in Albuquerque. The group's Sandia visit included a welcome from Jack (Sandia's ethics director and a retired Air Force brigadier general, former Vietnam combat pilot, and former member of the Thunderbirds), in which he asked Sandians to stand and thank members of the group for bringing World War II to an end. The 509th members then took a bus tour of Sandia and Kirtland AFB and watched a low-level flyover at noon of the B-2 stealth bomber.

Past and future meet in San Juan Pueblo solar project

Sandia assists with solar oven, solar drying of crops

By Chris Miller

Media Relations Dept. 12621

Amid adobe buildings and farmlands nestled in the fertile Rio Grande valley, Indians at San Juan Pueblo in northern New Mexico are using technologies advanced by Sandia to improve traditional methods of food processing and preparation.

Tribal members are using solar power to dry crops quickly for processing and packaging, and a solar oven to bake large quantities of food, including traditional Indian breads. Sandia has provided the pueblo both equipment and technical expertise from its Solar Thermal Design Assistance Center in Solar Thermal Technology Dept. 6216.

"This is a convergence of tradition and technology," says Lynnwood Brown, general manager of the San Juan Agricultural Cooperative, a for-profit association formed in 1992 as a means of bringing pueblo lands back into production. The cooperative is located at the pueblo, about five miles north of Española. "The sun has always been important to the Indian culture; we're just adapting new technology so we can compete in today's economy more effectively."

The cooperative called Sandia for help late last year, and Sandia technicians and engineers immediately began assisting in the design of a solar dehydration system to fit within the pueblo's budget. The large solar oven arrived at the pueblo this spring.

"We immediately viewed this project as a priority because we want to help our neighbors," says Dave Menicucci (6216). "Our involvement consists primarily of technical consulting — calculations, conceptual ideas, and generally helping them find ways to do it within their budget."

Supplements traditional baking

The cooperative is growing, drying, and packaging a number of different fruits and vegetables, including tomatoes, corn, chile, squash, beans, and melon. The fruits and vegetables are processed and packaged separately, as well as in prepared dishes. The cooperative already has had promising preliminary sales of its packaged green chile stew.

The pueblo is using the solar oven to supplement traditional baking and cooking. Bread routinely is baked in an horno, a free-standing adobe structure that is heated with wood. The solar oven will bake about 54 one-pound loaves of bread per hour, or it can cook large quantities of stews, soups, or other foods. A typical horno can bake about 30 loaves of bread at one time.

The solar oven also can be used to purify contaminated water and sterilize medical equipment in remote areas that lack cooking fuel.

While the San Juan solar agricultural project is showing early signs of success, the true measure will be whether the project makes it economically feasible to bring back into production hundreds of acres of farmland that have lain fallow for decades.

The pueblo has about 2,000 acres of farmland, but only 200 acres are currently cultivated. The cooperative's 40 members have drawn up a business plan that calls for expanding the amount of



BERNICE TAPIA inspects dried green chiles with Sandian Dave Menicucci (6216) inside the solar drying facility at San Juan Pueblo. Sandia technicians and engineers helped the pueblo's agricultural cooperative design the solar dehydration system, now used to dry many different fruits and vegetables for packaging.

(Photos by Randy Montoya)

planted acreage to 500 acres within five years.

But bringing fallow land back into production probably would not be financially feasible in itself, Brown says.

Hot trend in food processing

"Farming is a relatively high-risk, low-return endeavor," Brown says. "We realized it was absolutely essential to have a product with value added."

That's when the cooperative began looking at food drying, which Brown calls "one of the hottest trends in food processing." He says drying not only preserves food naturally, but enhances its flavor.

The technology used in the solar-drying facility is simple but meets the needs of the cooperative. Sandia consultants advised the cooperative to use the pueblo's existing greenhouse and place it next to the drying and processing facility. When modified with a black plastic floor, the 1,200-square-foot greenhouse reaches temperatures between 120 and 140 degrees F. A large exhaust fan transports heat to drying units in the processing facility, and a

second exhaust fan carries heat to the facility and an adjoining warehouse for comfort during winter months. Propane heaters are used as a backup on overcast days and at night.

The \$6,500 solar oven looks like a giant bowl, with shiny reflecting panels that direct sunlight toward its center. The oven is capable of reaching several hundred degrees F. and can bake everything from stews and bread to turkeys. Burns-Milwaukee, Inc. manufactured the oven, and Sandia's Solar Thermal Design Assistance Center helped perfect and evaluate it. Burns-Milwaukee is loaning the solar oven to San Juan Pueblo, and Sandia paid for the transportation costs.

The solar oven will alleviate the need for firewood, a precious commodity in many remote areas of the desert Southwest. The oven's ultimate success, however, will be how well it is accepted by tribal members since the cultural and traditional aspects of horno-baked bread are strong.

San Juan Pueblo's use of the solar oven will help determine its potential as a supplemental cooking source in developing countries like Mexico.

"The setting at San Juan has many of the traditional qualities that are found in villages in Mexico," Dave says. "This is a good place to test it. Moreover, it's close to Sandia so it's easy for us to stay on top of the situation."

The cooperative has agreed to write periodic reports on the solar oven's use and acceptance.

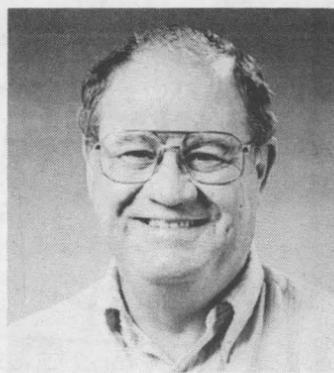
"The report that the pueblo will produce about the oven will be important to us and how we proceed with the oven in the future, especially regarding other Indian nations and with our Mexican neighbors," Dave says. "We also see the same thing with the solar drying system since the information we accumulate from it also will be important and of great interest to some of our Mexican friends who are interested in doing some similar things."



SOLAR-BAKED COBBLER, ANYONE? Arlene Archuletta of San Juan Pueblo holds a cobbler that was baked to a crispy brown in the large solar oven behind her. The traditional horno, a free-standing adobe structure that is heated with wood, is on the left. The solar oven, manufactured by Burns-Milwaukee, Inc., is capable of reaching 400°F and can bake everything from stews to breads to turkeys.

Mileposts

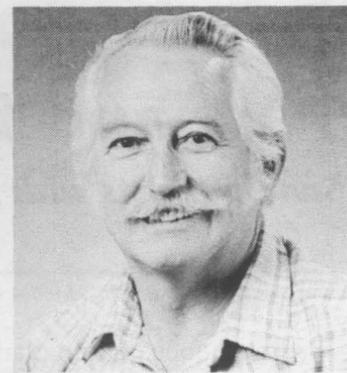
August 1995



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Mary Akins 15
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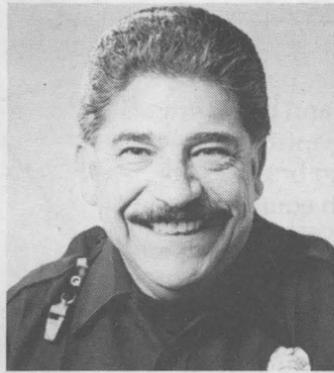
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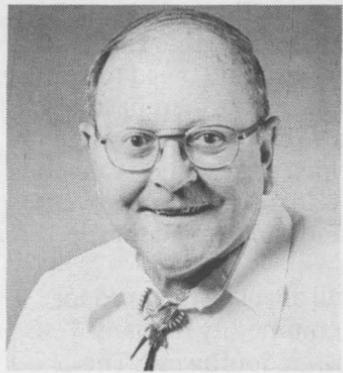
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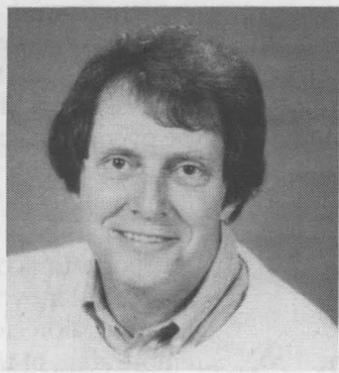
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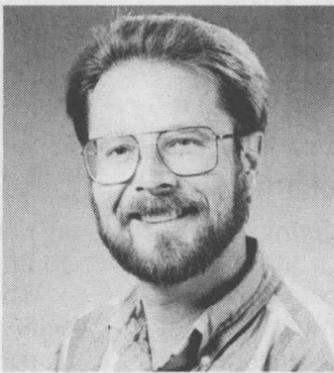
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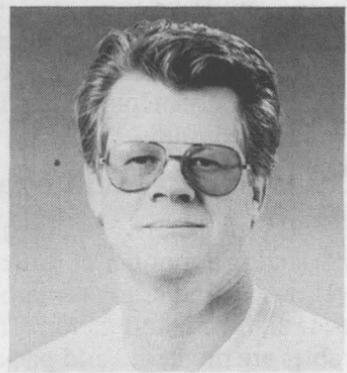
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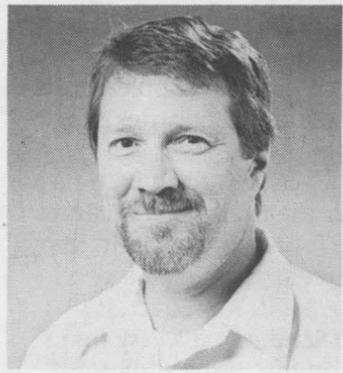
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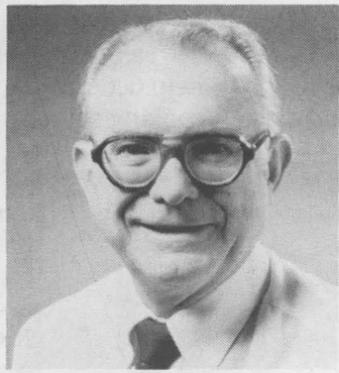
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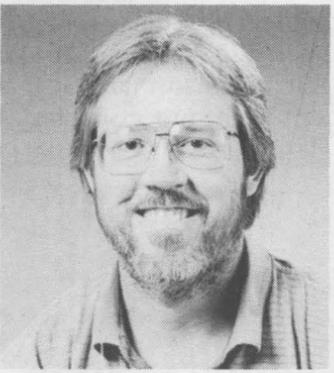
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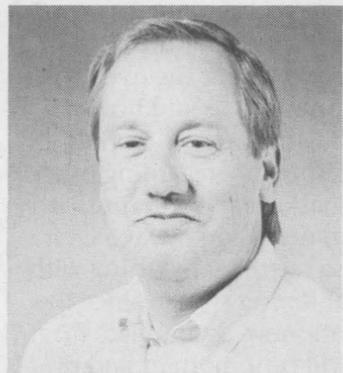
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Carl Leishman 15
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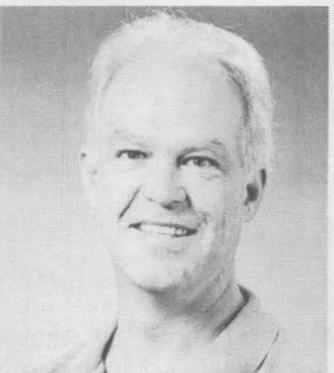
Joel Miller (14614) 15
Lisa Mondy (1512) (See "This & That" column, page 2)



Donald Davis 15
2412



Linda Branstetter 15
6403



David Vehar 15
14621

Sandia Classified Ads Sandia Classified Ads Sandia Classified Ads Sandia Classified Ads

MISCELLANEOUS

WATERBED FRAME, California king, tall bookcase headboard w/mirror, cabinets, liner, heater, mattress not included, solid pine, \$175. Rogers, 828-1310.

TOOL BOX for small pickup, 1 yr. old, \$50 OBO. Heath, 293-7767.

BED, twin-size, \$100. Christmas tree, paid \$250, asking \$85. Adams, 823-1845.

SPEAKERS, 2-way, Snell II-K, black oak w/black grill, excellent for jazz, classical or surround sound, \$175. Norton, 266-3417.

FIVE KITTENS, adorable, free, 8 wks. old. Messer, 275-8396.

PALLET JACK, Lift-Rite, 8,000-lb. capacity, good condition, \$175 OBO. Lopez, 821-2246.

PIANO, Kimball console, like new, oak finish, \$2,500. Klavetter, 299-4299.

BUNK BEDS, light finish, \$75; entertainment center, oak finish, \$75. Langwell, 293-2728.

SLIDE PROJECTOR, excellent condition, paid new \$375, asking \$100. Osburn, 286-1758.

FURNITURE: couches, loveseats, tables, washer, dryer, waterbed, mahogany desk, like new, must sell. Smith, 823-4721, after 5 p.m.

FREE GUINEA PIGS, 2 healthy, good-natured females, cage w/water bottle. Orrell, 857-0729.

SOFA, 8' x 4', ice blue, \$250; gray Stetson, size 6-7/8, \$55; recliner, \$45; shoes, 8-1/2D, brown Roper/Bass Field Trail. Coe, 266-6579.

SLIDE PROJECTOR, 33mm, Sawyer, excellent condition, w/12-16 empty slide trays. Riley, 869-2119, after 6 p.m.

MACINTOSH LCII, 6MB RAM, 40MB HD, 12-in. RGB monitor, external 14.4 fax/modem, MS Word, Claris Works, \$500. Hendrickson, 262-4887.

DESK, executive-type, 33" x 60" desk, chair, table lamps, framed wall pictures; recappable R8x19.5 Michelin radials; high-gas-pressure motorhome shocks. Fisher, 881-8072.

SCREEN TENT, Eureka, 12-ft., Breezeway, \$200; Thule roof racks, \$50; Toyota truck bumper, \$50. Brown, 890-1184.

GUITAR, Peavey, w/F. Rose double-lock trem., w/Protex case, \$475 OBO. Zubersky, 821-1774.

CONURE, 4 yr. old, w/cage & accessories; saxophone, used one yr., \$700 OBO. Mensay, 892-3375.

ANGLO PERSIAN RUG, 11' x 11', earth tones, \$400; Thinkin' Things I (#1-rated learning program), DOS/WIN, new, sealed, \$30. Bagley, 821-8247.

BOY'S CLOTHES, size 4-6, coats, sweats, shirts, pants, pjs, \$.25 -\$.8. Filter, 823-1232.

JOINTER, Craftsman, benchtop, 4-1/8 in., \$65; extra knife set, push blocks, aux. fence & manual included. Dobrian, 856-7396.

DOUBLE WATERBED; twin beds; belly & Hawaiian dance outfits & implements. Crosby, 858-3128.

PORTABLE HORSE STALLS, steel panels, three 12' x 12', w/feeders, \$1,800. Striker, 281-7945.

NORDIC FLEX GOLD, like new, w/all attachments, \$700 OBO. Castillo, 898-7405.

COMPUTER CABINET, all-wood, beautiful, upright style, hand-made, \$350. Kovacic, 256-9867.

CAST-IRON WEIGHTS, 200+ lbs., bench bars, \$100. Kim, 255-0791.

GAS DRYER, heavy-duty, 3-cyl., \$75; skis, cross-country, 205cm, size 9 boots, poles, goggles, used twice, \$50. Welch, 292-2706.

SAXOPHONE, alto, excellent condition, Armstrong, \$500. Duda, 292-2015.

UTILITY TRAILER, \$150; Navajo Red Mesa rug, \$800; Oaxaca Monte Alban, \$200; Guatemalan Momostenango blanket, \$100. Jeffers, 299-7020.

FERRIS, two small, gentle females, w/large high-quality cage, \$150; 6-hp Mercury outboard, \$250. Van Den Avyle, 898-6474.

SOFA & CHAIR, \$160; 1.3-cu.-ft. refrigerator, \$55; 5-piece oak-veneer dinette set (new \$399), asking \$210. El, 891-5732.

WOMAN'S FUR COAT, made of female mink, full-length, like new, originally \$6,000, asking \$2,000. Kopriva, 897-0140.

BANJOS, two 5-string resonator imports, w/cases, expertly set up, \$300 & \$350. Bryan, 281-7542.

WEIGHT-LIFTING BENCH, heavy-duty, great condition, \$30. Gorman, 292-7119.

UTILITY TRAILER, two wheels, 40"W x 24"H x 73"L, box, 1.5 cu. yds., \$50. Nelson, 265-2248.

LUGGAGE, Samsonite "Piggyback," hardsided, matched set, 21-in. wide carry-on, 24-in. pullman w/wheels & retractable handles, \$175. Seyfer, 292-0179.

FLUTE, Yamaha, used 1 yr., \$280. Lanes, 856-6237.

ROLL-TOP DESK, solid oak, beautiful, \$350; loveseat, excellent condition, \$150; queen bedspread, Southwest design, new, \$25. Schneider, 296-0868.

MACINTOSH SE, 1MB RAM HD, 1.4MB floppy, 9-in. CRT, Imagemaster II printer, 4 yrs. old, \$375. Case, 293-5466.

WATERBED, pedestal-style, 6 drawers, bookcase headboard, pine, walnut stain, California king, complete setup, \$100. Leger, 880-0434.

VIDEO RECORDER, Curtis Mathes, w/battery charger & tripod, \$400 OBO. Cartwright, 836-6957.

USED FLUTE, Geneinhardt, used 1 yr., paid \$300, make offer. McDuffie, 292-0459 or 263-5578.

MULTI-FAMILY GARAGE SALE, Aug. 19-20, 2913 Palo Verde NE, two refrigerators, sales sample t-shirts, more. Edmonds, 271-4530.

PIANO, Lester spinet, w/bench, medium wood, \$600 OBO; 1" x 2" x 12" landscaping stakes. Valerio, 869-4622.

ALLOY RIMS, Nissan SE, 15x7, fit Nissan 4x4 or Toyota, excellent condition, \$490. Smith, 298-5868.

COFFEE MAKER, Proctor Silex drip, 2-12 cups, excellent condition, \$10. Meeks, 828-9825.

WASHER & DRYER, Kenmore, electric, white, works on normal setting only, \$100 for both. Snyder, 281-3822.

LOVESEAT, white tweed, \$225; 1-yr.-old swingset, \$75; 4 lamps, \$15 ea. White, 294-5692.

TENNIS RACKET, Prince Extender Synergy, 4-1/2, synthetic gut, \$110 OBO. Healer, 298-6967.

GAS GRILL, Kenmore, w/tank, 1 yr. old, shelves, 2 burners, \$100 OBO. McGill, 888-2412, leave message.

SPINET PIANO, Baldwin Acrosonic, French provincial style, original owner, mint condition, tuned yearly, condition verified by tuner. Wagner, 823-9323.

TEXTBOOK, "The Economy Today," for College of Santa Fe economics class, (\$63 new), \$35. Tremli, 823-2996.

WATERBED, super-single, like new, w/Southwestern headboard; electric range, w/hood vent. Garcia, 343-8207.

SLATE POOL TABLE, good felt, cues, balls, \$500. Thomas, 821-5182 or 471-1036.

ENTERTAINMENT CENTER, w/fish tank, 4-1/2' x 2' x 6', (wood); 60-gallon fish tank, \$250. Evans, 299-6019.

CHAINSAWS: Homelite 2000, automatic, 24-in. bar, \$250; Sears, 3.7 C.I., 18-in. bar, \$100; Sears 2.3 C.I., 16-in. bar, \$75. Wright, 296-3850.

COMPUTER, 386SX, 16-Mhz, DOS 6.0, 4MB RAM, 70MB HD, 512 KB, VRAM, no monitor, w/mouse & keyboard, \$200. Henry, 266-6467.

LOVESEAT, black, very good condition, \$80; 3 table-tennis paddles, \$2 ea. Smith, 299-7151.

SEARS TABLESAW, 8-in., 3X blades, w/attachments; framed pictures; also tools. Kasnic, 299-5583, before 8 p.m.

WALL FURNACE, Empire Direct Vent, 15,000-Btu, radiant heat, only used for 2 seasons, \$250 OBO. Moore, 296-7203.

WOMAN'S COATS/JACKETS, sizes 8 & 10; ceramic kiln, greenware pitchers. Rogers, 256-0066.

VITAMASTER STEPPER EXERCISER, new condition, paid \$150, asking \$100 OBO; 3 white book shelves, \$60 ea. Beasley, 865-5850.

MOVING SALE: woodburning F/A furnace; dryer, \$100; microwave, \$50; couch, \$75; bass guitar, speakers, & cabinets. Rector, 286-1217.

TREADMILL, NordicTrack Walk-Fit, less than 1 yr. old, \$400. Simmons, 891-2475.

EQUALIZER HITCH, \$150; HP deskjet 500 printer, \$100; Sony CD player & receiver, w/Bose speakers, \$250; mission oak library table, \$50. Seamster, 275-2644.

CLARINET, Bundy, excellent condition, \$150. Shannon, 865-0171, after 5:30 p.m.

QUEEN BED, contemporary; 6-chair dining set, oak TV stands; RCA TV monitor; Novatron studio lighting system. Stewart, 291-1311.

DEADLINE: Friday noon before week of publication unless changed by holiday. MAIL to Dept. 12622, MS 0413, or FAX to 844-0645. You may also send ads by e-mail to Nancy Campanozzi (nrcampa@sandia.gov). Questions? Call Nancy on 844-7522.

Note: The number of ads received is increasing; our space is not. We now limit ads to one per issue. We will also enforce the 18 word limit. Please keep your ads as short as possible.

Ad Rules

1. Limit 18 words, including last name and home phone (We will edit longer ads).
2. Include organization and full name with the ad submission.
3. No phone-ins.
4. Use 8 1/2-by 11-inch paper.
5. Type or print ad; use accepted abbreviations.
6. One ad per issue.
7. We will not run the same ad more than twice.
8. No "for rent" ads except for employees on temporary assignment.
9. No commercial ads.
10. For active and retired Sandians and DOE employees.
11. Housing listed for sale is available without regard to race, creed, color, or national origin.
12. "Work Wanted" ads limited to student-aged children of employees.

BABY FURNITURE: Jenny Lind crib, mattress & changing table, high chair, carriers; portable heaters & AC. Klarer, 344-0612.

AUTO PARTS, for '74 Datsun 610. Smith, 299-6873.

'92 GAS DRYER, Kenmore, white, \$175; steel office desk, "L" extension, Formica top, \$40. Riggins, 299-7778.

ROTOTILLER, 5-hp, \$165; greenhouse window, 4.5' x 5', \$50; Universal leg curl & extension machine, \$95; gas dryer, \$100. Schuler, 821-8944.

BUNKBED, w/mattresses, oak, very sturdy, \$150; refrigerator, \$15; swingset w/slide & monkeybars, free. Kiefer, 296-2331.

LAWN MOWER, push reel, 3 yrs. old, excellent condition, w/grass catcher, \$55. Lott, 237-0670.

SOFA BED, queen-size, earthtone shades, like-new condition, (bed never used), originally cost \$1,200, asking \$300. Hoffman, 865-8527.

STATE FAIR RODEO TICKET, box seat, several dates available, 2 for \$6 ea. Dowd, 298-1259.

SWAMP COOLER, new, \$115 OBO; 62 classical CDs, \$40; Culligan HCL softwater tank, \$75 OBO; doghouses, free. Mackoy, 281-8606.

ESTATE SALE, Aug. 19, 9 a.m.-4 p.m., 614 Ridge Place NE., 7 rooms household items, furniture, handicapped equipment. Hueter, 242-1620.

CAMPER SHELL, tan, side windows, fits '86 Dodge Dakota (8-ft. bed), \$100 OBO. Ehrhorn, 822-1544.

CAMPER SHELL, white, aluminum, almost new, fits short-bed or club-cab Dodge Dakota truck, \$250. Lucero, 298-1524.

DIGITAL STAIRSTEPPER; Tandy computer, w/color monitor & printer, \$50 ea. Gordon, 292-7728.

S&W PISTOL, Model 4516, compact .45 automatic, new w/2 magazines, \$650 OBO. Svensson, 898-3078.

CAR-TOP CARRIER, very spacious, (Tijeras/Edgewood area), \$30. Zirzow, 281-9896.

TRANSPORTATION

'94 GMC, K1500, extended cab, SWB, shortbed, 5.7L, 5-spd., every option, Admiral fiberglass camper shell, immaculate, 9K miles, \$21,000. Dwyer, 271-1328.

'93 SUBURBAN, 4x4, tow package, 8-passenger, all power, excellent condition. Seamster, 275-2644.

'94 TOYOTA PICKUP, 4x4, 5K miles, AC, PS, PB, chrome, custom wheels/tires, tint, loaded, \$17,500. Olson, 275-5717.

'93 MAZDA MIATA, 1,500 miles, as-new condition, garaged & covered, lots of extras. Marlman, 883-8660.

'90 GRAND VOYAGER LE, luxury package, 3.3 V6, AT, charcoal/black, hitch, Infinity sound w/cassette, \$10,200. Campbell, 296-5792.

'71 VW KARMANN-GHIA, red w/gray upholstery, many new parts, very good condition, reduced \$3,800. Hartwigsen, 865-7836.

'76 CHEV. BLAZER, 4x4, AT, PS, PB, 350 V8, good engine, excellent condition, sell or trade, \$3,200 OBO. Padilla, 255-5383.

'92 CAMARO RS, 305 engine, PW, PL, power mirrors, 19K miles. Dennis, 839-7249.

'93 FORD F250 XL, 4x4, extended cab, 351 engine, EFI, AC, PS, 5-spd., towing pkg., 29K miles, \$18,500. Carrasco, 865-6229.

'95 DOGE RAM 1500, V6, AT, AC, 6K miles, \$13,500. Ulibarri, 281-4410.

'79 DATSUN KINGCAB, rebuilt engine, great little work truck, economical, \$1,600 OBO. Roybal, 296-8493.

'92 BUICK REGAL, Gran Sport sedan, 13K miles, 3800 V6, ABS, fully loaded, one owner, adult-driven, \$13,975. McIntosh, 292-3740.

'93 TOYOTA CAMRY, 4-dr., forest green, 24K miles, one owner, AC, PS, PB, AM/FM cassette, all records, \$13,000. Sisneros, 292-1854.

'91 NISSAN MAXIMA GXE, moonroof, tinted windows, mud guards, new tires, 1 owner, maintenance records, \$12,500. Moya, 293-7959.

'90 FORD RANGER, 4x4, 5-spd., AC, loaded, new tires, \$7,950 OBO. Schulze, 898-9766.

'91 CHEV. S-10 BLAZER, 33K miles, 4WD, 4-dr., fully automatic, loaded, \$15,000; utility trailer w/cover, spare, lights, \$150. McConnell, 299-0061.

'77 FIAT, X1/9, removable top, \$1,950 OBO. Wiseman, 299-7089.

'85 JEEP CHEROKEE, 4-cyl., 5-spd., 4WD, AC, CC, AM/FM cassette, hitch, rack, well-maintained, \$3,300. Richter, 292-3059.

'85 CHRYSLER NEW YORKER, V6, AC, digital, excellent condition, \$1,995 OBO. Chavez, 861-0712, ask for Leonard.

RECREATIONAL

ROAD BIKE, Peugeot, 12-spd., 23-in. frame, \$145. Fleming, 293-9421.

MOUNTAIN BIKE, 2-cycle motor & scooter, w/motor, 16-in. wheels, your choice, \$390. Babcock, 299-3121.

BICYCLE, Nishiki, 10-spd., \$60. Schmitt, 856-1280.

'94 FIFTH WHEEL TRAILER, Wilderness, hardly used, mint condition, 25-ft., way below book at \$12,900. Horton, 883-7504.

'94 CAMP TRAILER, Sunlite Eclipse, 19 ft., w/7-ft. sunporch extension, fully self-contained, many extras, tow w/minivan, \$12,000. Potter, 869-4716.

'77 SUPERIOR MOTOR HOME, Class A, 27 ft., completely loaded, 45K original miles, new radial tires & batteries, exquisite condition, \$13,000. Givuna, 884-5251.

AEROSTAR 40, flight box, equipment & fuel, \$400; Goldberg Superchipmunk, never flown, ready to fly, \$600; both \$800. Langlois, 293-3097.

FIBERGLASS BOAT & TRAILER, boat needs seats, trailer great shape, \$295 OBO. Dempsey, 281-9101.

BICYCLE, 10-spd., Peugeot, 26-in. wheels, \$85. Sirwinski, 881-2032.

'89 MOTORHOME, 30-ft. Holiday Rambler "Alumalite", all amenities, new carpet & AC, excellent condition, runs great, below book @ \$22,900. McCarthy, 296-4490.

FISHING/SKI BOAT, 18-ft., Browning, fiberglass, tri-hull, 6-cyl., Volvo I/O, new interior, Vanson trailer, lots of extras, \$4,500. Hunt, 268-8366.

ROAD FRAMESET, Cannondale, 56cm, headset, cranks, BB; AMP Research F-2 DH suspension fork, 1-1/8 threaded, \$225 ea. OBO. Sartor, 858-2554.

MOUNTAIN BIKE, 18-in., Specialized, Rockhopper, computer, helmet, rack, pack, \$350; vantop & bike carrier. McMurtry, 298-2155.

'79 MOTORHOME, Holiday Rambler, awning, dual ACs, generator, Ford, w/460, AT, cruise, tilt, six new radials, \$7,995. Ludwick, 296-6447.

AWNING, retractable, fits RVs, vans or campers, 9'L x 8', new \$200, asking \$100. Myers, 828-1967.

'83 SUSUKI, GS550, runs well, needs new battery, \$700 OBO. Nelson, 837-0500.

BOAT, 14-ft. fiberglass, w/trailer, make offer; shotgun shells, lead, steel, copper, 10-12-, 20-ga. Knight, 856-6648.

TRAVEL TRAILER, 14-ft., sleeps 4, flush toilet, pump, stove, AC, heater, elec./gas refrigerator, insulated. Jones, 873-8478.

ROAD BIKE, Cannondale, 3.0 series frame, Shimano 105 component group, Ultegra 600 pedals, Mavic Open 4CD wheels, \$425. Bauer, 299-0640.

'94 CAMPING TRAILER, sleeps 2, stove, icebox, sink, insulated, 95AH battery, w/solar charger, 110VAC converter, \$6,000. Roeske, 255-6188.

REAL ESTATE

4.19 ACRES, East Sandia Mountains, Magic Valley, views, water system, utilities, 20 minutes to Albq., \$63,900. Gabbard, 294-6904 or (510) 833-1935.

3-BDR. HOME, 2 full baths, 3 yrs. old, 1,450 sq. ft., skylights, Ladera golf course area, \$122,000. Manzanares, 836-4697.

MOBILE HOME, 1 yr. old, double-wide, 1,365 sq. ft., cathedral ceilings, many factory upgrades, \$60,000. Miller, 831-4541.

3-BDR. HOME, 1-3/4 baths, 2-car garage, 1,470 sq. ft., large corner lot, Rio Rancho, \$102,000. Dwyer, 892-2671.

4-BDR. HOME, 2 baths, 2,300 sq. ft., w/sunroom, w/hot tub, 9108 Evangelina NE (Moon & Osuna), \$156,000. Dawson, 828-0873.

3-BDR. HOME, super clean, 1 bath, 1-car garage, beautiful landscaping, friendly neighborhood, excellent schools, \$94,900. Martinez, 821-0598.

HOME FOR LEASE, Four Hills, 2,200 sq. ft., available in October for 1 yr., no smokers/pets, negotiable terms. Shaw, 299-3023.

WOODED LOT, almost 1 acre, near Regina, 13 miles from Cuba, NM, water, power & hookups available, \$2,900. Mora, 281-9815.

WANTED

HOUSEKEEPER, references. Doran, 255-9321.

HEALTH RIDER, or other comparable gravity rider. Cloer, 296-5244.

PIANO/VOCAL SHEET MUSIC, for Las Mananitas, to borrow/or buy. Jaramillo, 294-1779.

EXTENSION LADDER, heavy-duty, 16 ft., variable-speed drill, 1/2-in. elect. Underhill, 294-5774.

BARBIE CLOTHES, and accessories, clean, good shape; Playmobile toy sets. Weed, 823-2396.

CHAIN-LINK FENCING, 5 or 6 ft.; railroad ties; cinder blocks, new or used, cheap/free. Fenimore, 298-8052.

EIGHT-TRACK PLAYER, for car or truck. Abeyta, 247-0191, leave message.

MARIMBA, 4-1/3 octave. Hultine, 891-9518.

ROOMMATE, to share expenses in 4-bdr. mobile home, I-25 & San Antonio area. Crosby, 858-3128.

VISLA PUPPY, pet-quality female, or names & numbers of possible breeders in the area. Nowlen, 296-8680.

BON APPETIT MAGAZINE, 1/95, 2/95, 3/95 issues. Barron, 294-3216.

TOTE-GOTE, 2-wheel, all-terrain vehicle; Kawasaki H2 motorcycle, 750cc; have one or more of either? Roybal, 836-5062.

CONCEPT 2 ROWER, Walkfit treadmill; Labrador or Springer puppy; sell or trade white couch. Boak, 474-4362.

AMERICAN AIRLINE MILES, 35,000, can't be expiring prior to 12/31/95. Jordan, 856-6964.

PERSONAL COMPUTER, graduate student seeking to replace one stolen to complete research, rent or purchase. McKenna, 271-5050.

DRUM SET, for beginner. Sleefe, 281-4103.

BORROW VIDEOTAPE, "Victory in the Pacific," Dan Rather/Norm Schwartzkopf special, August 3, 1995. Brown, 884-8581.

LOST & FOUND

FOUND: woman's ring, near north entrance of Bldg. 836. Johnson, 844-4356.

FOUND: man's prescription eyeglasses, in brown vinyl case, north of Bldg. 887 parking lot. Goodson, 844-0962.

Sandia News Briefs

DOE sending quality award team to Sandia Aug. 28-29

Based on preliminary scoring, DOE is sending a team to visit Sandia Aug. 28-29 to clarify the Labs' information in its DOE Quality Award application, submitted to DOE in May. This application provides a perspective of Sandia's business practices based on Malcolm Baldrige criteria. The feedback from the team will be used as a basis for improving Sandia's business practices. Of 29 sites that submitted DOE Quality Award applications, eight will receive site visits. Four of these visits are in New Mexico. A DOE Quality Award ceremony is scheduled for Oct. 24 in Washington, D.C. For more information, call Ken Hanks (12900) on 271-7935.

Bill Dawes receives Distinguished Professor award

Bill Dawes, one of the managers in the Office of Research & Development for Science Education Dept. 3615, received the Distinguished Professor honorary award at Turabo University in Puerto Rico last month for his "singular contribution to the development of the Turabo University School of Engineering and to the advancement of educational opportunities for Americans underrepresented in the technological work force. . ." Bill served for more than two years as the university's Dean of the School of Engineering (whose building the university named the Sandia National Laboratories Engineering Building, in appreciation for Sandia's assistance), then as Executive Administrator of the Science and Technology Alliance, the DOE program under which Bill was assigned to the university by Sandia.

Sandia's MiniPIVS technology transferred to American Indian-owned companies

Two companies located in the Navaho Nation — First American Cooperative Engineering of Leupp, Ariz., and SunMart Inc. of Window Rock — will commercialize Sandia's Mini-Portable Integrated Video System (MiniPIVS), developed for nuclear weapons accidents by principal investigator David Shirey and David Jones, both of Advanced Vehicle Development Dept. 9616. The MiniPIVS is a fully portable, self-contained unit that provides one-way video and two-way audio between a remote location, such as a nuclear accident site or disaster scene, and a base station. The American Indian-owned businesses will combine the MiniPIVS with a device they helped develop called a Personal Medical Interpreter (PMI), which can translate 1,900 medical phrases into 43 languages. The combined MiniPIVS/PMI devices should help disaster-relief agencies provide quicker, safer response to emergencies.

Send potential Sandia News Briefs to Lab News, Dept. 12622, MS 0413, fax 844-0645.

Benefits unveils optional Dental Deluxe Plan

Health & Work/Family Benefits Dept. 3343 will be offering Dental Deluxe, an enhanced dental benefits plan, effective Jan. 1, 1996.

Marlene Vigil (3343) says that during the annual Open Enrollment period (Oct. 20-Nov. 9), regular full-time and part-time nonrepresented employees with at least six continuous months of service will be offered the option to purchase the Dental Deluxe Plan. The new plan will not be available to retirees. Represented employees are not eligible to participate in the Dental Deluxe Plan at this time; any plan changes must be negotiated with their bargaining units.

Here's how the plans compare:

Dental Deluxe Plan

Employee pays a monthly premium.

Maximum annual benefit is \$1,800.

Maximum lifetime orthodontia benefit is \$1,800.

Current coverage on all dental services (that is, the current reimbursement of covered services) will increase 25 percent.

Sealants are covered at 100 percent of "usual & customary" fees (for children only).

Once enrolled, there is a two-year mandatory participation requirement.

Enrolling in Dental Deluxe is optional. Sandians will learn more about premium costs and coverage from the Open Enrollment materials, to be distributed in early October.

The *Lab News* and *Weekly Bulletin* will continue providing updated information on Sandia's enhanced medical and dental plans.

Dental Expense Plan

Employee pays no premium.

Maximum annual benefit is \$1,500.

Maximum lifetime orthodontia benefit is \$1,500.

Current coverage (reimbursement) will remain the same.

Sealants are not covered.

Coronado Club

Aug. 18 — Friday night buffet/dance. \$7.95 all-you-can-eat buffet, 6-9 p.m. Music by Joe Sais & Showcase, 7-11 p.m.

Aug. 20 — Sunday brunch buffet, 10 a.m.-2 p.m. \$7.95 adult members, \$8.95 guests, \$2.95 for children 4 to 12, free for children 3 and under. Music for buffet by Bob Weiler and Los Gatos, 1-4 p.m.

Aug. 24, 31, Sept. 7, 14 — Thursday bingo nights. Card sales and buffet start at 5 p.m., early birds' bingo at 6:45 p.m.

Sept. 1 — Friday night buffet/dance. \$7.95 all-you-can-eat buffet, 6-9 p.m. Music by Isleta Poorboys, 7-11 p.m.

Sept. 3 — Sunday brunch buffet, 10 a.m.-2 p.m. \$7.95 adult members, \$8.95 guests, \$2.95 for children 4 to 12, free for children 3 and under. Music for buffet by So Rare, 1-4 p.m.

Sept. 4 — (Monday) Labor Day celebration. Members admitted free with C-Club card, guest admission \$2. Low-cost buffet, noon-5 p.m. Pool open 11 a.m.-6 p.m. Kids' games 1-6 p.m. Music for celebration by Bob Weiler and Los Gatos, 2-6 p.m.

Help us recognize Sandians

The *Lab News* wants to recognize Sandia employees and retirees who receive honors and awards. Call Tammy Locke on 844-1860, or send her a note with a few details to Dept. 12622, MS 0413. In Livermore, contact Barry Schrader (8522) on 294-2447, MS 9111.



SANDIA GOLFER SWINGS WITH THE PROS — Leon Chapman (6903) has 30 years of golfing experience in the bag, which helped him qualify to play in a Senior PGA Tour event, the Veterans of Foreign Wars (VFW) Seniors Championship, held Aug. 4-6 at Loch Lloyd Country Club in Kansas City, Mo. Leon qualified for the tournament on July 31 with a score of 71, the only player for the four available slots who came in under par 72. The tournament included professional senior golfers, like Lee Trevino and Hale Irwin. Considering that those guys ended the tournament with a three-day combined score of 202 each, Leon's 54-hole score of 229 (77-75-77) wasn't too shabby.

! Take Note

Kirtland Air Force Base's 377th Services Squadron is holding a Labor Day "End of Summer Bash" Monday, Sept. 4, 11 a.m.-5 p.m. at Hardin Field. Everything is free except food, beverages, and flea market items. Some events include armadillo races, a mariachi concert,

Indian dancers from Acoma Pueblo, a magic show, military working dog demonstrations, clown shows, pony rides, and a 10K bicycle race. All base personnel, including Sandians and their families, are welcome. For more information, call Judy Coyne on 846-1555.