

Secretary of Energy Hazel O'Leary Visits Labs, Endorses \$100 Million, Five-year Sandia-SEMATECH Agreement

During her visit to Sandia/New Mexico last week, Secretary of Energy Hazel O'Leary signed a proclamation of cooperation between DOE and SEMATECH. Minutes later, Sandia and SEMATECH officials consummated the agreement by signing a cooperative R&D agreement (CRADA) expected to bring \$100 million dollars worth of work to Sandia over the next five years.

As part of the CRADA, Sandia will conduct research aimed at developing improved semiconductor manufacturing technologies for the next

More Photos of O'Leary Visit — See Pages Four and Five

generation of integrated circuits, including equipment that reduces manufacturing costs while increasing yield. The work should help US semiconductor equipment manufacturers compete with foreign suppliers.

"Today we are taking strides to boost the competitiveness of the US microelectronics industry in the global marketplace," O'Leary said. "We are applying our resources and our expertise to meet national economic, environmental, and security goals. The real value here is not just in the dollars, but in the jobs and economic growth this work will generate."

Labs President Al Narath and SEMATECH
(Continued on Page Four)

Al Says Labs 'Well Positioned'

Budget Uncertain Until Appropriation Process Complete

Rumors about layoffs and the number of workers who might be idled or shifted to new jobs are simply speculation, says Sandia President Al Narath. Until the budget process for FY94 is worked through to its end, such guessing about DOE funding is like chasing phantoms.

While he understands and shares the concern felt by Sandians exposed to daily speculation about the budget and possible job losses, he didn't broach the subject with new Energy Secretary Hazel O'Leary during her first-ever visit to the Labs last week.

"I didn't want to put her on the spot, because I knew that the uncertainties are so great that she

"People keep asking: 'Will there be a layoff?' I'm not planning a layoff."

cannot, in good conscience, comment or respond to such a question intelligently," Al says.

Most vexing to him, he says, is the daily repetition of news stories that sound authoritative because they quote precise numbers of employees to be impacted by DOE budget cuts.

"People keep asking: 'Will there be a layoff?' I'm not planning a layoff," he says. "We should all keep in mind that what we're looking at currently are simply budget projections. They're estimates. Until the appropriation process has run its course and funding has been allocated for specific programs, we're in no position to make any firm statements."

Focus on Quality Work

And the widely published report that 810 jobs will be lost at Sandia? "Frankly, I don't know how that number was derived," he says. "And as far as
(Continued on Page Six)



SECRETARY O'LEARY peers through a microscope at a Labs-developed micromotor during her April 7 visit to Sandia/New Mexico. Also seen are Paul Percy, Director of Microelectronics and Photonics Core Competency Center 1300 (wearing glasses), and Senator Jeff Bingaman.



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APRIL 16, 1993

'Wired for the Future'

Go Ahead — Touch That . . . uh, Button: New System Will Amaze and Delight You

Editor's Note: This is the first in a series of articles called "Wired for the Future" about communications improvements at Sandia. Installments will appear at irregular intervals during the next several months.

You're deep in thought, working away on a project, and the phone rings. You answer. In mid-sentence, your co-worker's phone rings and she's away on an errand. There's no one nearby to answer.

Do you (a) put down your phone and run to answer hers because your phones don't have the "hold" function, (b) let it ring even though it drives you nuts, or (c) yell for someone down the hall to get it?

If that sounds infuriatingly familiar to you, take heart: Help's on the way.

A building put up just south of Sandia/New Mexico's Gate 10 during the past year is deceptively small for the large role it will play. It houses

The "switch" building is deceptively small for the large role it will play.

a new "switch" that will turn the desktop relics many Sandians still use for telephone service into virtual computer terminals offering a welcome variety of options.

The instrument of this change is a contract Sandia and AT&T signed, an agreement that Bob Dougherty, Manager of Communications Programs Dept. 1906, says puts the Labs "into the telephone business."

Labs Provides Sandia, DOE Service

The heart of the system is an AT&T 5ESS central office switch still being installed in the new Bldg. 829 outside Gate 10. The Air Force entered into an agreement with DOE to substitute Sandia for Kirtland as the provider of telephone service for DOE and the Labs.

Bob says the new installation will provide telephone service for DOE and Sandia 845 prefixes when the new switch is brought on-line in July, and Sandia's 844 prefixes will be moved to it when the changeover is completed. That is scheduled to occur by late October.

"But as great as it may seem to the Sandia population, providing quality voice communication is not the most significant aspect of installing a global digital communication system," says Bob. "This is just the first step in providing total Sandia unclassified data connectivity. Every desktop will have the potential of supporting a computer connection to any other desktop, network, or mainframe."

And that, he adds, can provide potential access to data bases, file transfers, electronic mail, and even video. Meanwhile, for the Sandian still
(Continued on Page Four)

This & That

Hazel Hates 'em, Too - It's always nice to discover friends in high places. An April 2 *USA Today* article reports that Secretary of Energy Hazel O'Leary charges Department of Energy staffers 25 cents each time they use an acronym in her presence. For several years, I've fought a lonely battle (the "mother of all losing battles") against people who use one unexplained acronym after another when they write and talk - "acronymcompoops" I call 'em. My sources tell me all Sandians who were involved with Secretary O'Leary's visit to the Labs last week (see pages 1, 4, and 5) were warned by the brass not to use acronyms when talking to her. I suppose it's asking too much to continue the ban indefinitely?

* * *

Moving Over - That's what we'll be doing two weeks from now (see story below). We're resettling in Mobile Offices 172 and 173, just east of our current digs in "charming" old Bldg. 814. All of our operations - LAB NEWS, *Weekly Bulletin*, photography studio and darkroom, etc. - will be completely shut down from Wednesday, April 28, through Friday, April 30. With luck and hard work, we'll be back in business on Monday, May 3.

* * *

Professional Secretaries Week - is next week, April 19-23. Professional Secretaries International (PSI), which "sponsors" the week, has a helpful hint that I'll paraphrase and pass along. Although many secretaries appreciate recognition expressed via meals and flowers, others might prefer an investment in their professional development. Personally paying your secretary's dues to PSI or to another professional group just might be appreciated even more than dinner or daisies (in most cases, Sandia cannot pay dues to professional groups).

* * *

Champion Sandia Filer? - Bob Summers retired from Quality Assessment Dept. 336 early this month after more than 41 years at the Labs. Before leaving, he sent us a copy of a travel expense voucher he filed in 1951, soon after starting his Sandia career. Bob was in Chicago three nights, spending \$18 (total) for a hotel room and \$17 for nine meals. The round-trip airfare was nearly \$159; I'm no mathematical wizard, but I figure if airfare had gone up as much as hotel rooms and meals in the past 40 years, that round-trip ticket today would cost about three thousand bucks!

* * *

Deleted, Then Delighted - Life can indeed be a hassle, but every blue moon or so, you come upon a real deal. It had been several years since I last rented movies at one of the big grocery stores, and when I tried to rent one there last week the clerk said my name had been deleted from the computer. However, she promptly reinstated me after confirming my home phone number. And then life seemed just a little sweeter for a few moments after she told me the first rental for "new customers" is free.

* * *

Solution for Ugly Managers? - While walking in a hallway of Building 823 last month, I hurriedly glanced at a bulletin board, and only the large bold words on one poster really jumped out at me: "Brown Bag for Managers" and "Dan Hartley." My first thought was that, although Sandia managers may not be a particularly handsome lot, Dan (VP-6000) might be a bit more subtle about it. Turned out to be a "brown bag" lunch invitation, though.

•LP

Sandians Reluctant to Seek EAP Help

Employee Assistance Program Survey Results in Next Issue

The LAB NEWS thanks Sandians who completed and returned the questionnaire about the Labs' Employee Assistance Program (EAP) that was published in the last issue.

We hoped to publish the results in this issue, but several events combined to leave us short of time and space. The results and some related, anonymous employee comments will be published in our next issue, April 30.

Employees were asked to indicate whether they would be inclined today to seek EAP help, seek outside (private) help, or try to solve problems by themselves if they were experiencing emotional, personal, or substance-abuse problems.

As reported in the April 2 LAB NEWS, fewer Sandians have sought EAP help with some types of problems - particularly substance-abuse problems - during the past few years. The decline has been attributed in part to reports that the Department of Energy has been suspending Q clearances of some employees experiencing such problems and seeking help through the EAP. (See "EAP Expands, Offers Range of Treatment" on page eight.)

Although only about 125 Sandians completed and returned the survey, a preliminary look at the results indicates that most of them believe that admitting problems and seeking help could cause DOE to question their fitness for keeping their Q clearances.

Take Note

The Space '94 call for papers on space environments and their effects is out. The Fourth International Conference on Engineering, Construction, and Operations in Space and a co-located conference on Robotics for Challenging Environments will be held Feb. 26-March 3, 1994, in Albuquerque. The conference, sponsored by the American Society of Civil Engineers, comprises two coordinated programs: "Space '94," which covers engineering, construction, and operations in space including structures, materials, dynamics, and controls; and "Robotics," which considers exploiting robotic operations in challenging environments for use in space applications. Papers that address space environmental components and the effects they have and will have on the materials and those living and working in space are welcome. Summaries of proposed papers are due May 3. Contact Paul Klarer (9616) on 844-2900 for information.

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Will Be Inside Tech Area 1

LAB NEWS Moving to Mobile Offices 172-173

The LAB NEWS (Employee Communications Dept. 7162) staff is scheduled to move into Mobile Offices 172 and 173 - about one rock throw east of our current location - at the end of this month. If the move goes as planned, we'll be closed three days - April 28-30. We'll finish packing on April 28 (Wednesday), move on the 29th, unpack and resettle on the 30th, and reopen on Monday, May 3.

In general, we're pleased, but our new offices and photo studio will now be inside Technical Area 1, meaning that retirees and other uncleared folks won't be able to visit us. We've been promised that will change within six months or so when the fence is scheduled to be moved inward, putting our new facilities outside the tech area.

Uncleared folks who want to place "unclassified" advertisements in the LAB NEWS after April 27 can mail them to us at Department 7162 or fax them to us at 844-0645. Also, Jo

Sandoval (21), the receptionist in the lobby of Bldg. 800, has kindly consented to accept ads there for us. Ads can be dropped off at her desk on workdays from 8 a.m. to noon and from 1 to 4:30 p.m. beginning Wednesday, April 28 (desk is closed noon-1 p.m.). Unclassified ad rules and deadlines are published at the top of the ad page in each issue.

Same Telephone Numbers

All Employee Communications Department staffers will keep their current telephone numbers listed in the box at left.

Milepost (service anniversary) photos would normally be made in the LAB NEWS studio on Thursday, April 29. Because of the move, no more Milepost photos will be taken until May 13.

Please call us on 844-7841 if you have questions or concerns relating to the move.

Goal: Environmentally Conscious Disposal**DOE Labs to Help Get Rid of Aging Conventional Munitions**

The Department of Defense has a backlog of almost 400,000 tons of old ammunition awaiting disposal. As munitions age, the amount to be disposed of is growing faster than the material can be destroyed. There's also some 200 million pounds of solid propellant in rocket motors that are no longer needed. In addition, about three million tons of ammunition now in the US (including munitions being returned from the Persian Gulf) will eventually require disposal if it isn't used.

Environmentally conscious disposal of obsolete conventional munitions is one of DoD's most pressing problems. The science and engineering capabilities at the DOE weapons labs are now being harnessed to help develop the necessary technologies.

Rapid emergence of this new mission mandated formation of a new DoD/DOE coordinating group to oversee these projects. Sandia/California hosted the first meeting of the group, called Technology Coordination Group #9, in February.

Cutting Down on Open Burning

Historically, obsolete munitions were burned or detonated (OB/OD, for "open burning/open detonation"), according to Jack Swearingen (8113). Jack serves as DOE representative to the Joint Ordnance Commanders Group, which coordinates demilitarization and disposal for the DoD. "State and federal environmental regulations are restricting such practices, and new technologies are needed," says Jack. "In fact, a forthcoming joint armed service regulation requires that an environmentally acceptable method for eventual disposal must be defined for each new weapon acquisition."

To be consistent with this new environmentally conscious theme, there is a change in the memorandum of understanding (MOU) between DOE's Defense Programs and the DoD Office of Munitions. Until now, that MOU has sponsored technologies for enhanced weapon performance. It's being broadened to include development of environmentally acceptable technologies for the life cycle (manufacturing, testing, stockpiling, and disposal) of conventional munitions. Tom Hitchcock



TECHNOLOGY Coordination Group #9 — Addressing a recent meeting of TCG #9 at Sandia/California is chairman John Byrd (at table, third from right), Director of the Army Defense Ammunition Center and School. Also seen is Jack Swearingen (8113, second from right at table), who hosted the day-long session.

(9702) is Sandia's program manager for the MOU.

Expecting an eventual nationwide shutdown of OB/OD sites, the military has decided that acceptable alternatives must be developed and qualified by the end of FY95.

Solutions to DoD's environmental problems will benefit DOE also. Many of the explosively driven components that Sandia designs for nuclear weapons are analogous to small munitions and ordnance devices, and dismantlement of the nuclear stockpile is generating hundreds of thousands of these devices for disposition, according to Jack.

DoD, DOE Needs Becoming Similar

"Extending the analogy," he says, "we can see that demilitarization/disposal of smart munitions in the future will involve ordnance that is similar to the arming, fusing, and firing systems in nuclear warheads. In terms of removal and disposition, the bulk high explosive (called the "main charge") in nuclear warheads is more analogous to removing propellant from solid rocket motors. It was the recognition of commonalities like these, in addition to the R&D capabilities at the nuclear weapon labs, that mandated the formation of TCG #9."

TCG #9 is chaired by John Byrd, who is director of the US Army Defense Ammunition Center and School, and who also chairs the Joint Ordnance Commanders Subgroups on Munitions and Large Rocket Motor Demilitarization and Disposal.

Sandia has three projects that were started in FY93 under the organization of TCG #9. Ted Wheelis (6623) is applying the technologies devel-

oped under the WeDID (Weapon Component Waste Disposal Integrated Demonstration) project for nuclear weapon dismantlement to DoD ordnance components. Ken Tschritter (8113) and his team are investigating destruction of obsolete colored smokes, dyes, and pyrotechnics by supercritical water oxidation. A joint project involving Bruce Boughton, Ed Graeber (both 9614), Larry Thorne (8102), Carl Melius (8353), John Goldsmith (8351), and Joel Lipkin (8113) has the objective of developing a means to predict dispersion from reactive munitions testing at Eglin AFB.

In Jack's capacity as the DOE representative to the Joint Ordnance Commanders Group, he invited the TCG #9 members from around the country to meet at Sandia/California in February. Because many of the DoD representatives are also in the Munitions Demilitarization and Disposal Subgroup, it was arranged for LLNL to host that group the following day.

SANDIA CALIFORNIA NEWS

Congratulations

To Nancy (8526) and John Zehnder, a son, Ryan Patrick, Feb. 9.

To Suzanne and John (5375) Didlake, a daughter, Rebekah Anne, April 4.



FORMER SANDIAN IN SPACE — Astronaut Ellen Ochoa started her first mission in space aboard the shuttle *Discovery* on April 8, joining four other crew members for an eight-day scientific mission. The mission was to gather data on the relationship between the sun's energy output and Earth's atmospheric chemistry, and how these affect the ozone level. One of Ellen's tasks was to use *Discovery's* remote manipulator arm to lift an instrument from the shuttle bay to study the solar wind and the sun's corona. Ellen joined Sandia/California in 1985 and worked there three years before taking a position at NASA Ames Research Center. In 1990 she was chosen as an astronaut trainee and moved to the NASA complex at Houston.

Sandians, Auto Engineers Meet in Detroit

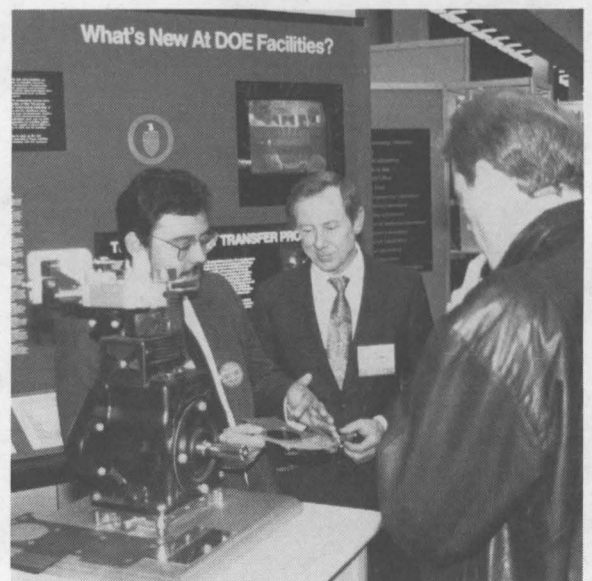
Sandia/California was part of a DOE contingent that took part in the Society of Automotive Engineers' (SAE) Annual Exposition in Detroit last month. The DOE laboratories demonstrated a wide range of research developments of interest to industry.

Sandia's part in the exhibit included the fiber-optic Barrack-Witze Spark Plug Probe and an ionization head-gasket probe, both developed by Peter Witze (8362). Also displayed was a cutaway model of a one-cylinder engine with optical access ports (photo at right), the model usually seen in the Combustion Research Facility lobby.

Bob Carling, Manager of Combustion Applications Dept. 8362, says the interaction with the SAE attendees was enthusiastic and clearly a success for all parties. Sandia has been participating in SAE meetings for more than 15 years.

Roger Lewis, DOE's Director of Technology Utilization, said to reporters at the exposition, "Based on our positive experience here, we plan to expand our efforts to other industries and to continue to bring scientists together with industry representatives to produce better goods and services, producing them faster, cheaper, and safer. We can

make products that do not harm the environment and create new jobs in the process."



SANDIA EXHIBIT — Rodney Sepulveda (left) and Jim Boehmke (both 8362) explain a head-gasket probe to an attendee at the Detroit SAE exposition last month.

(Continued from Page One)

SEMATECH CRADA

Chief Executive Officer Bill Spencer signed the accord. It's the largest DOE/Sandia CRADA ever signed in terms of funding and duration, says Chuck Gwyn, Manager of External Silicon Programs Dept. 1302. Researchers in organizations 300, 1000, 2000, 6000, and 8000 will be involved in the work.

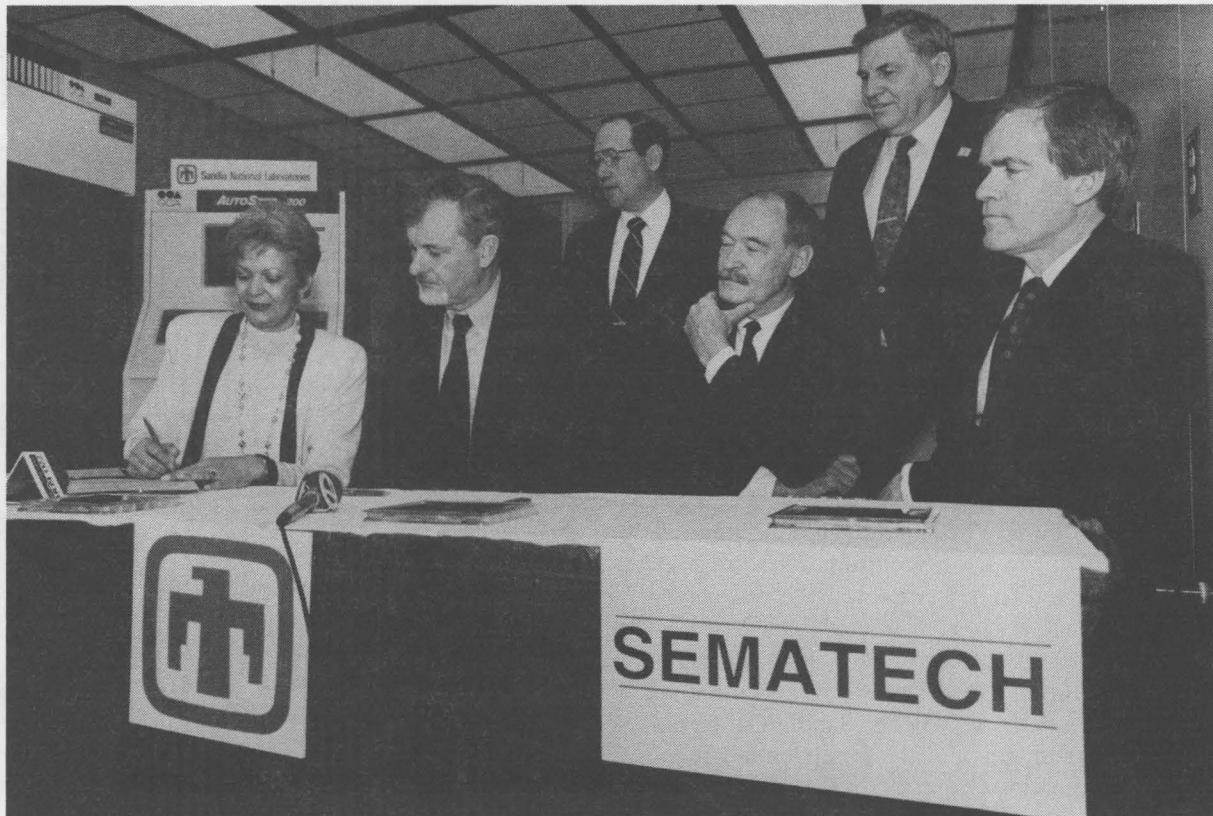
Work in Six Critical Areas

The new CRADA with SEMATECH, a consortium of US semiconductor manufacturers and the Department of Defense, stipulates that DOE and SEMATECH will share the cost of the research. Funding will be competitively awarded to specific R&D projects selected jointly by SEMATECH and the Labs. The work will be conducted at Sandia.

The agreement will support projects in six areas: equipment benchmarking and engineering, contamination-free manufacturing research, equipment and software reliability, equipment modeling and design, materials and process analysis, and semiconductor process development.

Work will include such projects as the development and study of semiconductor manufacturing prototype and production equipment, development of in-situ sensors for monitoring particulate contamination, modeling the way particulates form and adhere to equipment during manufacture, modeling of key chemical and plasma manufacturing processes, and materials analysis of coatings for manufacturing equipment components.

The new CRADA builds on a relationship established with SEMATECH in 1989, when San-



SECRETARY O'LEARY signs an enabling document for a \$100 million CRADA as, from left, Sandia President Al Narath, Congressman Steve Schiff, SEMATECH CEO Bill Spencer, Governor Bruce King, and Senator Jeff Bingaman watch.

dia's Semiconductor Equipment Technology Center (SETEC) was formed. It also extends a 1992 agreement that established the Contamination-Free Manufacturing Research Center at Sandia to study ways to reduce trace levels of contamination in semiconductor manufacturing, one of the most critical problems facing microelectronics manufacturers as circuit features shrink.

"The microelectronics industry is critical to our country's long-term economic strength," said Al, "and industry-government cooperation on advanced technology is an extremely important way to keep the US at the forefront. This agreement greatly expands and extends Sandia's already close working relationship with SEMATECH."

•JG/KFrazier (7161)

(Continued from Page One)

Touch That Button

struggling with a single-line, no-hold-button, plain vanilla phone — but gah-gah over exotic possibilities — several down-to-earth features will be immediately available: voice mail, conference calling, and a second line for voice communication, among them.

Other standard features include a display of the party being called or calling in, being able to answer other ringing phones in the area from any phone, unique ringing on different phones, and

programmable speed dialing for frequently called numbers or the last number dialed.

Although this program of upgrading equipment and service is new for Sandia/New Mexico, it's somewhat old hat for Bob. He oversaw the same changes at Sandia/California when that was accomplished in partnership with Lawrence Livermore National Lab.

"The request for help in designing that system came along in 1984, and we finished the changeover in March of '88," he says, "but we needed that much time because we were upgrading the system at Lawrence Livermore at the same time."

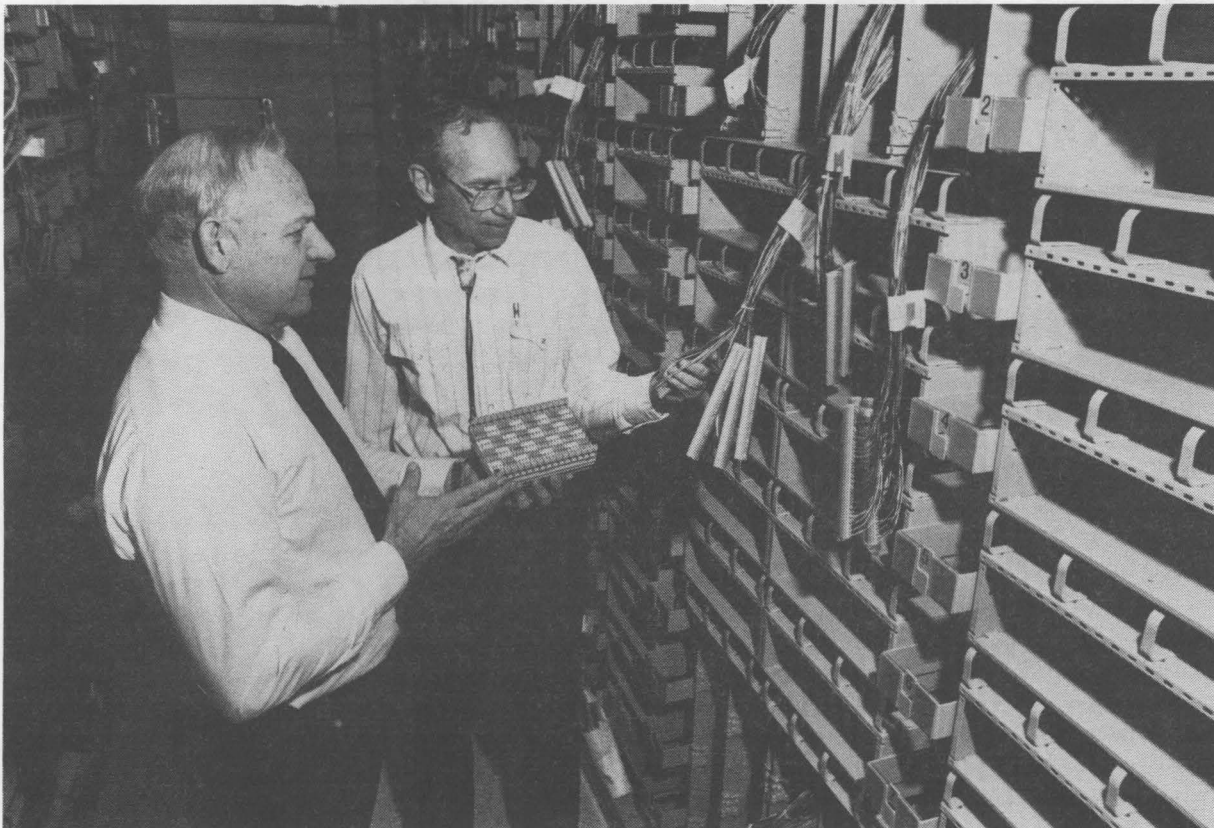
Building the Sandia/New Mexico switch and assuming the responsibility of serving as the communication utility for DOE and the Labs is the first

"I think it's important to know that ... the changes will be made without a perceptible interruption of service."

big step in this major renovation, he says. The next step will be virtually rewiring most of the site to provide both copper and fiber optic links to every desktop.

"I think it's important for everyone to know that this will be a seamless changeover, in that all the changes will be made without a perceptible interruption of service," says Bob. "We'll start with current service and upgrade to the new capabilities as resources permit."

"It will take more than a year to replace current telephone equipment with new equipment capable of providing all the potential features, and even more time to complete the extensive rewiring project to complete the infrastructure," he says. "But when it's finished, I know we'll have a lot of happy users." •HK

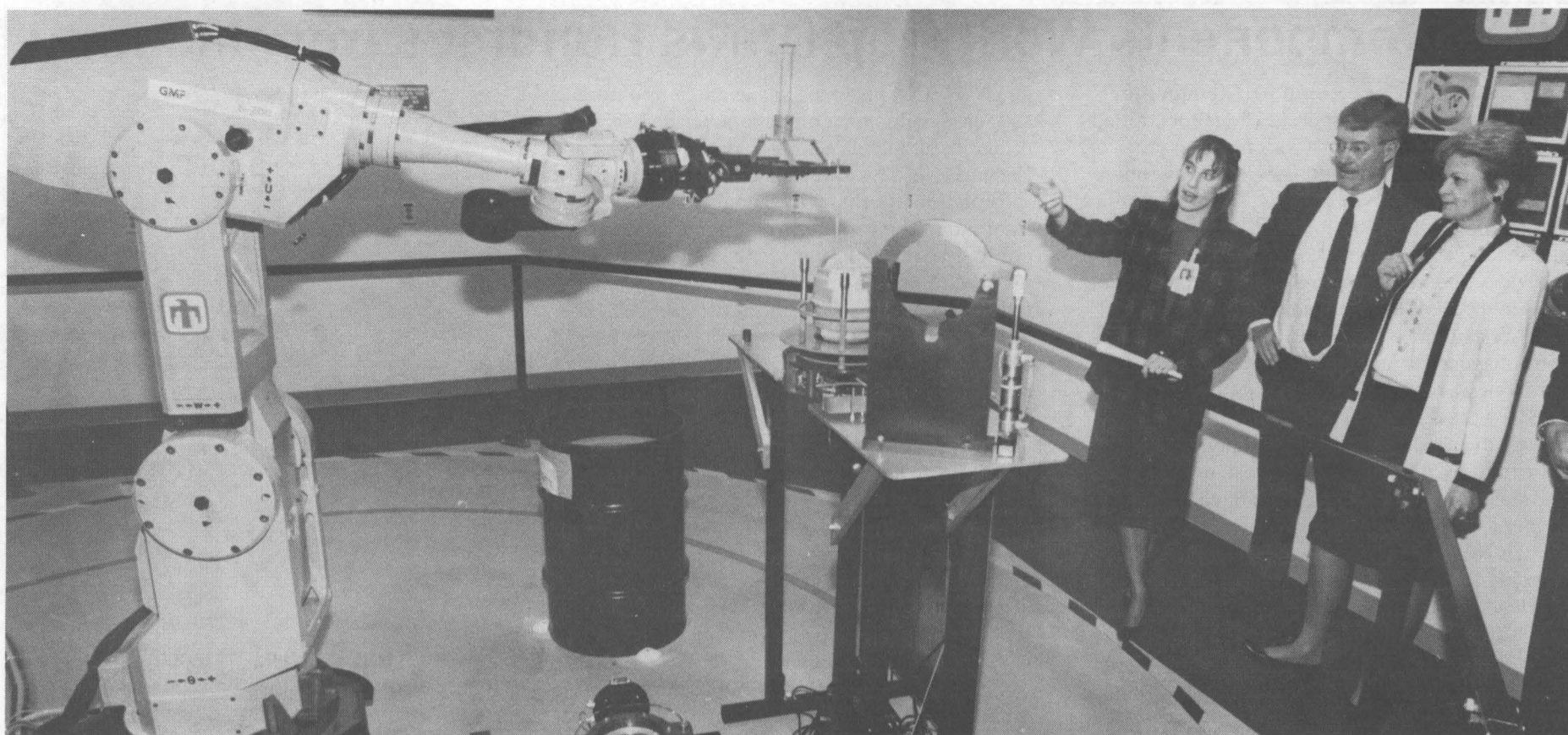


BOB DOUGHERTY (left, 1906) and Larry Tolendino (1955) have a look at some of the work already finished and awaiting final connections in the new "switch" that will upgrade Sandia/New Mexico communications. They expect to have the entire Labs site communicating through the new equipment in Building 829 by the end of October.

Take Note

Last year, New Mexico Volunteers for the Outdoors contributed more than 4,000 volunteer hours to land management agencies across the state. Following are upcoming New Mexico Volunteers for the Outdoors projects. Contact the listed project leaders for information and to sign up.

Sandia Foothills Trail, Saturday, April 24, contact Sam Beard on 821-0309; Very Large Array Project, Saturday and Sunday, May 1 and 2, contact Sandy Underwood on 292-1510; Coronado State Monument, Saturday, May 8, contact Sally Porter on 298-5197 or Ellen Post on 298-3020.



JILL FAHRENHOLTZ (left) of Intelligent Systems Dept. 1671 explains the operation of a robot used for weapons disassembly as Secretary Hazel O'Leary and Pat Eicker, Director of Intelligent Systems and Robotics Center 1600, watch it go through its paces. (LAB NEWS photos by Randy Montoya and Mark Poulsen)

First Visit to Sandia

New DOE Secretary Tours Labs

Robots, microelectronics, and the Sandians who make them highlighted DOE Secretary Hazel O'Leary's fast-paced, first-ever trip to Sandia/New Mexico last week.

During her tour, the Secretary got a briefing by Sandia President Al Narath and attended a signing ceremony for an agreement between Sandia and SEMATECH worth more than \$100 million.

Her Sandia visit began with a tour of the Intelligent Systems and Robotics lab, where she was conducted through a display of posters and components on the way to a demonstration of a "swing-free" gantry crane and a weapons-disassembly robot.

Her next stop was the Microelectronics Development Laboratory (MDL), where she,

Governor Bruce King, Senator Jeff Bingaman, and others peered through a microscope at a micromotor, examined a display of sensors, and watched "moon-suited" employees at work in clean room bays. The visitors then joined AI and SEMATECH Chief Executive Officer Bill Spencer, who signed the CRADA (see story on page one).

O'Leary then spoke briefly to MDL and other Labs employees, took questions from reporters, and strolled through the MDL lobby to see exhibits of Sandia's work in fossil energy, environmental research and development, and medical diagnostics.

Following the Sandia activities, she attended a working luncheon at the Coronado Club before leaving for a visit at Los Alamos National Lab. ●



REFLECTIVE SURFACE of a stretched-membrane heliostat from the Solar Power Tower catches the attention of Energy Secretary O'Leary and Senator Jeff Bingaman as they walk through a display of Labs posters and hardware.



JOAN WOODARD, Director of Environment and Transportation Center 6600, tells Secretary O'Leary about the process used in Sandia's environmentally conscious method for manufacturing printed circuit boards.



SANDIA President Al Narath listens as Secretary O'Leary tells Labs employees and media representatives that she felt the "warmth of extended family" during her Sandia tour.

Purpose: To Communicate with Industry

Info Components Workshop Draws Hundreds from Industry

One evening last month at Albuquerque's Hyatt Regency Hotel, hundreds of visitors milled about displays describing various research projects at Sandia, Los Alamos, and Lawrence Livermore national labs.

Whenever the visitors asked questions, labs representatives answered, knowing that every contact was a potential cooperative research project between the DOE labs and industry.

The visitors — representing companies, government agencies, and universities from across the nation — were in Albuquerque March 30-31 to attend a workshop sponsored by the National Center for Advanced Information Components Manufacturing (NCAICM). The purpose of the workshop was to familiarize industry and other potential partners with laboratory resources available through NCAICM, and to solicit industry's ideas regarding NCAICM research priorities.

Headquartered at Sandia, the three-month-old NCAICM combines the expertise of DOE's three major weapons labs with the research needs of industry to bolster US competitiveness in the information components market. The center is funded by ARPA (the Advanced Research Projects Agency, formerly DARPA), a government-funded agency committed to developing technologies useful to both the military and industrial sectors.

NCAICM provides space and equipment to support development of manufacturing processes primarily for microelectronics, optoelectronics, and flat panel displays, three major technologies of the information age that will account for most of the international information components market in coming years. Funding for the center, approximately \$48 million through FY95, will be competitively awarded to specific R&D projects. Another \$12 million will be used to operate the center and conduct "pre-competitive" research. Research work will be done by joint laboratory-industry teams.

More Than 400 Attended

From an attendance standpoint, the workshop was a big success, says Jim Jorgensen, Manager of NCAICM Dept. 2903. In all, representatives of 193 companies, 10 government agencies, and five universities showed up at the workshop, with a total attendance of about 400. However, the ultimate proof of success will be in the number and quality of research proposals submitted, he says.

The workshop included information useful to potential research partners, such as NCAICM objectives, available laboratory resources and facilities, how intellectual property will be protected, and how to submit research proposals for NCAICM funding. The evening poster session



LABS VP HEINZ SCHMITT (2000) presented an overview of NCAICM research opportunities to representatives from industry, government, and universities March 30 in Albuquerque.

allowed for engineer-to-engineer contact on a variety of topics.

Attendees also toured NCAICM facilities, including Sandia's Microelectronics Development Laboratory and Process Development Laboratory, and gave their opinions about what NCAICM research priorities should be.

Labs VP Gerry Yonas (9000) delivered a presentation about why partnerships between government, industry, and universities are necessary in changing times, and VP Heinz Schmitt (2000) gave

"This is an excellent way to communicate with industry."

an overview of NCAICM research opportunities. Jim talked about NCAICM center operations, and Bill Alzheimer (2900) was master of ceremonies.

"This workshop was the first of its kind," says Jim. "Potential research partners were given a chance to tell us what issues we should be working on, and weapons labs had a chance to show industry what we can do for them."

"This is an excellent way to communicate with industry and get their input about the future directions of Labs research," says Heinz. "And it gives us an opportunity to demonstrate to industry, and to federal agencies, how teaming can enhance US competitiveness." ●JG



SANDIANS talked with hundreds of people who turned out for a Labs-sponsored workshop in Albuquerque last month to familiarize industry and other potential partners with the National Center for Advanced Information Components Manufacturing. Represented at the workshop were 193 companies, 10 government agencies, and five universities. (Photos by Walt Dickenman, 7154)

(Continued from Page One)

Budget Uncertain

developing contingency plans — 'what if' kinds of things — as a DOE multi-program laboratory, we learned long ago how to shift our human resources in response to changing customer requirements."

Rather than dwell on rumors and fears, Al says, Sandians should continue to focus on the quality work that has built the Labs' reputation over the years, and not on the number of jobs that turn out the work.

"We must remember that we live by our wits, and with the help of supporters like the members of our congressional delegation," he says. "But we also must remember that we live in a competitive environment, and success depends on how well we perform — like everybody else in this world."

Defense Budget No Surprise

Al says the decline in spending for defense programs should not surprise anyone; except for a brief upturn during the Reagan Administration, it has been in decline for at least two decades.

During that period, he says, Sandia has been compensating for the decline by developing other

outlets for its expertise and now is "extremely well positioned" to cope with the change that has fueled rumors of layoffs and other employee disruption.

"We can't ever return to the past," says Al, "and in the future we have to do well, not because the government cannot guarantee jobs at Sandia, or ensure level-of-effort funding, but because our strategic intent has always been to render exceptional service in the national interest." ●HK

Fun & Games

Windsurfing — Morgan Lake is the place for windsurfers in the 1993 Board Doggin' Bash Sail Off April 24-25. Because the lake cools the Four Corners Power Plant, the water is expected to be near a toasty 80 degrees. The New Mexico Windsurfing Association plans a fun weekend with activities geared to the available wind. The \$5 entry fee will go toward rebuilding the toilet facilities at the lake. T-shirts will be available for \$10. A communal pot-luck dinner is planned for Saturday night. Contact Barry Ritchey (2472) on 298-4311 for directions and more information.



Take Note

Duke City Business and Professional Women (BPW) is hosting the 1993 State Convention of the New Mexico Federation of BPW April 22-25 at the Ramada Classic Hotel. The following seminars between 9 a.m. and noon on Friday, April 23, are open to the public: "Your Voice is Power" and "Understanding Menopause." Lunch is also open to the public. Please call Berta Rodriguez (210) on 296-6987 (evenings) for more information.

The Armed Forces Communications and Electronics Association (AFCEA) has invited Juventino "Rich" Garcia, Director of Public Affairs at Phillips Laboratory, to speak at its April 20 meeting at the KAFB Officers Club, Bella Vista Room. The pay-as-you-go lunch starts at 11:30 a.m., followed by chapter business and the presentation at noon. Members and non-members can call Capt. Dan Shaffer on 846-4203 or Eugene Boyd on 888-1527 for more information.

Environmental, Reliability Improvements Targeted**Sandia, GM Working Together on Cars of the Future**

Sandians and General Motors researchers are putting their heads together to design and develop technology that will make future vehicles lighter, more reliable, and more environmentally sound.

About two months ago, three GM divisions — AC Rochester, Saginaw Division, and Cadillac/Luxury Car Division — signed six cooperative research and development agreements (CRADAs) with the Labs involving combined expenditures of about \$30 million (LAB NEWS, April 2).

“As an industry leader, General Motors has long taken the lead in improving manufacturing efficiencies and in caring about environmental protection and energy conservation,” says Donald Runkle, Vice President of GM’s North American Operations Engineering Center. “We feel these new agreements with Sandia will significantly assist in these efforts.”

“We were pleased to be a part of a historic meeting with the Big Three US automakers in Albuquerque last spring,” says Sandia President Al Narath. Sandia hosted that meeting last May. Subsequent discussions have helped industry and the national laboratories to focus on areas of cooperative research.

Automobiles of the Future

“We are looking forward to working closely with GM in pioneering new areas for improvement to the car designs of today,” Al says. “And we look forward to the challenges of continuing to work toward the automobiles of the next century.”

The six CRADAs include:

- A project with GM’s Saginaw Division (one of the world’s largest heat treaters of automotive parts) to improve the process of induction hardening of parts. Induction hardening is a widely used manufacturing process that adds strength to specific regions of metal parts, such as automobile axles.

Among the goals of the project — to be headed by Russ Skocypec, Manager of Thermal and Fluid Engineering Dept. 1513 — are development and application of intelligent manufacturing procedures and real-time control systems to reduce after-production analysis, waste, and inefficiencies.

Eventually, agile manufacturing concepts and high reliability can be realized as part-to-part variations are minimized. At present, parts are batch-hardened and analyzed, resulting in production losses and machine downtime, estimated at millions of dollars per year.

Sandia expertise in intelligent systems (including neural network technology), computational modeling, process analysis, and material characterization will be applied in the three-year effort.

- Work with GM’s AC Rochester Division to jointly develop fluid monitors for use in vehicle engines. Initial work will emphasize oil quality monitoring, then be extended to other fluids, including state-of-charge monitors for battery electrolyte, engine coolant monitors, and transmission fluid devices. The project manager is Richard Cernosek of Microsensor Research and Development Dept. 1315.

Efficiency Can Be Improved

The three-year effort recognizes that the efficiency of vehicle operations can be improved and wastes reduced if the quantity and quality of vital engine fluids can be monitored during operation.

Sandia has developed technology for determining density and viscosity of fluids and will bring its supporting electronics expertise to the development of a measurement system. GM will provide a large data base of existing knowledge on other fluid condition monitoring technology and a large testbed, with supporting personnel, for conducting extensive engine evaluation tests.

- An agreement with the Cadillac/Luxury Car

Division to develop a knowledge-based system for selecting materials for a new generation of vehicles. The project combines Cadillac’s expertise in manufacturing and materials with Sandia’s experience in waste minimization and knowledge-based intelligent systems. The project leader is Shannon Spires of Strategic Technologies Dept. 6904.

The 30-month agreement calls for development of a system taking into account the entire life-cycle of a vehicle, customer preferences, and considerations of environmental factors in material selection. The proposed system will look at material manufacture and its impact on environment at the front end of production and the possibilities for recycling at the life-cycle’s back end.

The knowledge-based system is aimed at reducing energy consumption and material waste by encouraging use of environmentally friendly processes and recycled materials. GM also expects a significant increase in fuel efficiency as a result of better material selections.

- Joint development of task analysis software for use in GM’s automated manufacturing efforts. The goal of this project is an advanced computer design and analysis tool, available to US industry for automation problems. Randy Brost of Intelligent System Principles Dept. 1621 is the project leader.

Sandia Developing Software

Sandia is developing software that automatically analyzes the reliability of automation tasks such as grasping, part-mating, fixturing, and part-feeding. Such analysis is important to reducing “debugging” work, a time-consuming phase in which robotic work cell designs are tested and modified to resolve reliability problems. The process often delays operation of an assembly line and can result in expensive changes late in the design process.

- A project with GM Research Laboratories and GM Powertrain’s Advanced Development Lab to examine new materials and processes for the production of lightweight, wear-resistant aluminum alloys in engines. Using aluminum alloys in engine

components will result in reduced fuel consumption while maintaining crash-worthiness and performance standards. Mike Maguire of Physical and Joining Metallurgy Dept. 1831 is the project manager.

Sandia has been involved in the design and production of aluminum and other metal alloy castings for years in support of weapons development. Sandia’s Liquid Metal Processing Laboratory has been designed to analyze casting behavior and provide data for computer codes that simulate investment casting.

GM Brings Casting Experience

GM brings to the project extensive experience in sand casting of iron cylinder blocks and heads, lost-foam casting of cylinder heads, and die casting of aluminum engine blocks. Together the researchers will examine new materials and processes to produce economically competitive aluminum engine blocks and cylinder heads.

- Analysis and improvement of thermal spray process technology leading to high-volume production of wear-resistant coatings on the cylinder walls of aluminum engine blocks. GM and Sandia researchers will use special diagnostic and modeling tools to study and improve prototype thermal spray equipment for increased material deposition rates and enhanced reliability. The project leader is Mark Smith of Liquid Metal Processing Dept. 1833.

This process shows promise for improving the wear and corrosion resistance properties of cylinder walls, and the coated engine blocks may also be easier to recycle. Key technical issues are yet to be resolved before reliable, high-volume production can be achieved.

Sandia’s Thermal Spray Research Lab and Sandia’s Engineering Sciences Center will apply unique process diagnostics and computational modeling capabilities to the improvement of thermal spray technology under development at GM. This development has resulted in a strong technology base at GM, which will be shared with Sandia researchers. GM will also perform testing and evaluation during the three-year development effort. ●WKeener(7161)



STILL SMILING after answering scores of crazy questions is Jo Sandoval, a Sandia secretary for the past 29 years. Jo has been the corporate lobby receptionist at Sandia/New Mexico for the past year after working in various technical areas since the early 1960s. She is one of hundreds of Sandia secretaries (many now called office administrative assistants) who will be observing Professional Secretaries Week next week. Jo says she gets some pretty strange questions and requests in her current job. When the LAB NEWS photographer was taking her picture early this week, someone even asked Jo if he could use her desk that afternoon. Keep smiling, Jo!

Three-for-One Reduces Hassle

Personnel, Medical, Legal Offer Cool Deal On Required Manager Training

For a short time, Sandia managers can receive a special deal on required annual training for managers — attend one session, get two free.

The three-for-one training will be provided in convenient half-day sessions at both the New Mexico and California sites during April and May (see box for details). A single half-day session fulfills managers' training needs for Sandia's Employee Assistance Program (EAP), Corporate and Personal Integrity Program (CPIP), and conflict of interest.

Occupational Health, Personnel, and Legal staffers teamed up to develop the combined half-day training sessions, says Harriet Morgan, Manager of Preventive Medicine/Employee Assistance Dept. 7035. "Combining these three elements of required training really cuts down on the hassle of attending multiple meetings that we as managers are all familiar with," she says.

And there's a bonus. Managers who attend will receive training modules to take back to their employees. Going over these modules with employees fulfills employee training requirements for workplace substance abuse and code of conduct issues.

The CPIP portion of the training covers recent changes to Sandia's code of conduct and the disciplinary review process. Managers need to know how to handle an employee whose

Managers Should Attend One Half-day Session

As part of the three-for-one required manager training, several half-day sessions are being offered. Managers can choose the one session that is most convenient.

California	
Bldg. 924 auditorium	
April 22	12:30-4:30 p.m.
April 23	8 a.m.-noon
New Mexico	
Technology Transfer Center (Bldg. 825)	
April 28	8 a.m.-noon
April 29	12:30-4:30 p.m.
May 17	8 a.m.-noon
May 18	8 a.m.-noon

behavior oversteps the bounds of what Sandia believes is acceptable for its employees, says Susan Harty (7531).

Conflict of interest training covers how a conflict is determined legally and how the determination process has changed. The training may help managers identify when an employee's second job might interfere with the best interests of the Labs, for instance.

Training Required by Federal Law

Employee assistance training includes how to work with troubled employees, how to identify an employee who may have an alcohol or substance abuse problem, Labs policies relating to substance abuse, and recent changes to the Employee Assistance Program (see "EAP Expands, Offers Range of Treatment").

All three training programs are required at DOE work sites either by the Code of Federal Regulations or by DOE order, says Harriet.

All Sandia managers, from team supervisors to the president, are encouraged to attend the sessions. Harriet hopes managers will consider their attendance at these training sessions a responsibility to employees.

"Not only are these training sessions required by DOE and federal law, they are designed to help managers deal with day-to-day questions or problems employees might have," she says. "When problems arise, it's important for managers to understand Sandia's policies and use them as a foundation for any actions they take." ●JG

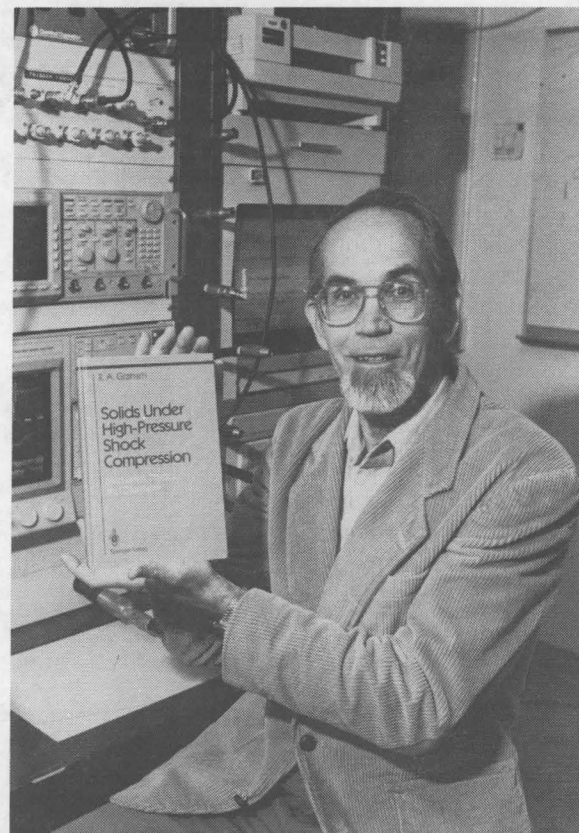
Earnings Factors February 1993

Long-Term Savings Plan for Management Employees (LTSPME) Earnings Factors

AT&T Shares	1.0565
Government Obligations	1.0099
Equity Portfolio	1.0193
Guaranteed Interest Fund	1.0057
South Africa Restricted Fund	.9800

Long-Term Savings and Security Plan (LTSSP)

AT&T Shares	1.0565
Guaranteed Interest Fund	1.0058
South Africa Restricted Fund	.9800
Equity Portfolio	1.0193
Employer Stock Fund	1.0570



FIRST TIME FOR EVERYTHING — Although shock-compression physics has been a major technical activity at Sandia for more than 30 years, no Sandian has ever published a book on the subject . . . until now. A new book written by Bob Graham of Advanced Materials Physics Dept. 1153, *Solids Under High-Pressure Shock Compression*, is the first in a series of books on high-pressure shock compression of condensed matter. Bob serves as editor-in-chief for the series. The next book, to be released soon, contains a group of chapters edited by Mo Shahinpoor (1434) and Jim Asay (5602), as well as individual chapters authored by Sandians.

EAP Expands, Offers Range of Treatment

As of Oct. 1, 1992, the Labs' Employee Assistance Program (EAP) boasts a few new features, says Harriet Morgan (7035).

Employee Assistance counselors have teamed up with a new contractor, Preferred Health Care (PHC), to deliver a wider range of counseling services to employees and new educational and counseling services to managers who may have troubled employees working for them.

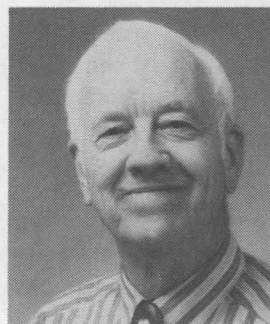
Employees and their dependents seeking counseling for short-term problems may now be seen either by Sandia or PHC counselors free of charge as many as eight times. Patients can schedule visits either on-site or with an affiliate counselor in the community. Call 845-8085 for more information. (In California, call 294-2200.)

Beyond eight sessions, EAP counselors make a referral to an outside practitioner, and Sandia's regular employee benefits plan kicks in.

In addition, Sandia now provides counseling under the EAP umbrella for a wider variety of problems, ranging from stresses of marital or family problems to substance or alcohol abuse. This new approach allows for short-term marital or family counseling, which is often not covered under Sandia's normal benefits plan, says Harriet.

"We know that employees may need to discuss issues that aren't necessarily a mental health issue but that are affecting their job performance," she says. "We hope these new features will help us identify problems before they have a chance to become serious mental health issues, and to provide more intense treatment for more serious problems."

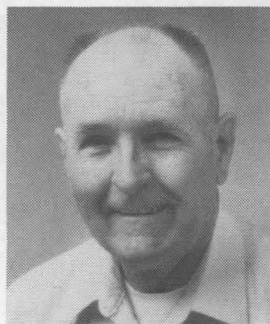
Recent Retirees



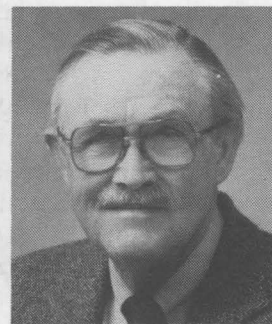
Robert Summers
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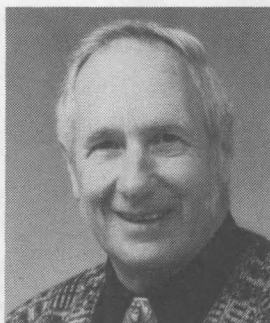
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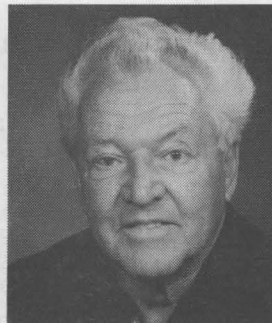
Elmer Pitts Jr.
2481 40



Lloyd Nelson
6423 29



Dave Trapp
2663



John Wood
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Sandia News Briefs

Sandia Helps Bring Quality Tools to New Mexico's Schools

Sandia is helping the Governor's Business Executives in Education (GBEE) organize the first-ever Governor's Conference on Total Quality in Education, to be held April 18-19 at the Albuquerque Convention Center. The conference is a major part of Gov. Bruce King's efforts to bring total quality management principles to New Mexico's schools. GBEE is a task force of business executives set up by Gov. King and chaired by Labs Executive VP Lee Bray (30).

Expected to attend the 1-1/2-day event are teachers, school board members, superintendents, principals, college deans and professors, and school business partners. Texas Governor Ann Richards is scheduled to speak, along with Gov. King and several national education leaders and consultants. For more information, contact conference director Mary Nation (4302) on 271-7929 or steering committee members Laurel Moore (4302, 271-7937) or Julia Gabaldon (4303, 271-7935).

Sandia/New Mexico Holds Earth Day Open House Tomorrow

Sandia's Environmental Restoration Program is holding a public open house tomorrow, April 17, to celebrate Earth Day April 22. The open house will take place 9 a.m.-12:30 p.m. in the Coronado Club Zia Room and will feature environmental restoration activities at Sandia. Members of the Labs' environmental restoration departments will be available to answer questions.

As part of the event, copies of four Sandia draft assessment work plans just submitted to the Environmental Protection Agency, the New Mexico Environment Department, and DOE will be available to the public. The work plans cover investigation of potential contamination at several Sandia sites, as well as innovative technologies being used to clean up the sites. A bus tour of the sites leaves the Coronado Club at 10:30 a.m. Tour participants must be US citizens. For more information, call Al Stotts (7161) on 844-2282.

Labs to Host Design for "X" Conference in Albuquerque

Sandia will host the 1993 AT&T Design for "X" Conference May 12-14 at Albuquerque's Hilton Hotel. The annual forum provides product designers and manufacturers a chance to share the latest techniques and technologies for ensuring that a product's design fulfills customer requirements and takes into account manufacturability, testability, maintainability, and other design-related characteristics.

Jon Barnette (2606) is the conference co-chair. Sandians are encouraged to attend. Call Jon on 844-8794 or Lynn Harris (2606) on 844-5251 for more information.

Two Student Employees Take Honors in UNM Math Contest

Two Sandia student employees took honors in this year's University of New Mexico Math Contest. Hamilton Link (6423) took first place in the 12th grade category and second place overall, and Michael Ruehle (9548) took fourth place in the 12th grade category. More than 2,000 6th-12th graders from throughout New Mexico enter the contest each year. Hamilton and Michael are seniors at Eldorado High School in Albuquerque. They have been working at Sandia half-time since fall as part of Sandia's Career Enrichment Program for gifted high school students.

Peter Lysne Appointed Chairman of International Ocean Drilling Panel

Peter Lysne of Geothermal Research Dept. 6111 was recently appointed chairman of the Ocean Drilling Program's (ODP) Downhole Measurements Panel. The program is sponsored by the National Science Foundation in cooperation with 18 member nations.

A current thrust of the panel is to seek collaborative efforts in developing advanced tools for measuring downhole conditions. An example of such work is being conducted in Dept. 6111 (and at the Universities of New Hampshire and Washington) on a new research tool that will sample fluids and measure temperature and pressure at temperatures in excess of 400 degrees C. That work is being sponsored by DOE and ODP.

Send potential Sandia News Briefs to LAB NEWS, Dept. 7162.

Feed Back

Q: Looking at Building 800 a few weeks ago, I couldn't help but notice the condition of both American flags flying over Sandia (the new flagpole out front and the one on top of the building): Both were torn and ragged.

An empty flagpole is better than flying Stars and Stripes that are battered and torn. Proper flag etiquette requires such flags to be removed and properly disposed of. They should not be raised in that condition.

Sandia should have flags in reserve to immediately replace those damaged. I realize we had severe weather just before I noticed the torn flags, but weather-damaged flags should be immediately removed and replaced — or the flagpole left empty until a replacement is found.

A: I agree. We will try to do a better job of changing flags when they become torn. Thanks for bringing it to our attention.

J.D. Martin (7400)

Q: Sometimes Gate 4 near Medical (Bldg. 831) is closed for 30 minutes for emergency ambulance use. This means employees must use another gate to enter or leave Tech Area 1.

Recently, an employee who uses a cane got caught in the rain because he could not get through

Gate 4, and because of the difficulty he has walking, he had to return to Medical to wait out the rain — which took 30 minutes. He says he has encountered Gate 4 closures three or four times and has a suggestion:

Would Sandia consider building a shelter (like those used at bus stops) for employees to use at Gate 4 when the gate must be closed?

A: Gate 4 is closed during medical emergencies so the security police officer on duty there may assist the Medical Department in responding to the emergency. While this practice provides much-needed support for the Medical Department, it does create problems for people who need to use Gate 4 during emergencies.

To alleviate this concern, we are evaluating the time schedule and cost of installing a Mardix booth near Gate 4. In the event we are unable to install a booth because of cost or other constraints, we will consider your suggestion, as well as some other alternatives.

We appreciate your feedback on ways to improve our service.

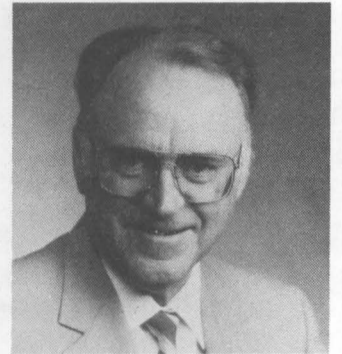
J.D. Martin (7400)



Blackwell Named Acting VP-7000

ARLYN BLACKWELL, former Director of Engineering Integration Center 2800, was named Acting Vice President for Internal Programs Div. 7000, effective April 1.

Arlyn joined Sandia's structural analysis organization at Sandia/California in 1959. He has managed technical activities in design, aerothermodynamics, structural analysis, computing, gas dynamics, and combustion, as well as a broad range of administrative activities. His technical contributions have been in heat transfer and fluid mechanics.



ARLYN BLACKWELL

Arlyn was promoted to Supervisor of the Thermodynamics and Dynamics Section in 1960, and in 1965 was promoted to Supervisor of the Applied Mechanics I Division. He also supervised the Analytical Division and was named Manager of the Engineering Evaluation Department in 1967.

During the early 1970s, he served as technical advisor to the US delegation to the Conference for the Committee on Disarmament in Geneva.

In the mid 1970s, along with Dan Hartley (VP-6000), Arlyn coordinated the establishment of Sandia/California's energy research and development programs. He established a combustion research program and led the establishment of the National Combustion Research Facility.

Arlyn was promoted to Director of Operations at Sandia/California in 1978. He transferred to Albuquerque in 1986 to become Director of Management Staff, remaining in that job until 1989, when he became Director of Engineering Integration.

"I'm proud of the transformation the 2800 team has made to a customer-focused, cost-conscious, and responsive organization," says Arlyn. "We've recognized we have assets in the organization that form the foundation of a new and growing business, namely, information modeling and systems."

He was elected chairman of the steering committee for the National Initiative for Product Data Exchange in 1992. He has a BS and an MS, both in mechanical engineering from the University of California.

Of his new responsibilities, Arlyn says, "I'm eager to help in this area and pleased the Technical Safety Appraisal is coming soon. That will give me an opportunity to calibrate where we are and what needs to be done."

John (Jack) Jones, former Manager of Optical Ordnance Project Dept. 2505, is now Acting Director of Engineering Integration Center 2800.

•JC

Retiree Deaths

Doreen Westfall (71)	March 6
Jesus Gutierrez (87)	March 11
Eugene Moore (62)	March 13
Donald Fifield (78)	March 14
Ruth McAdams (83)	March 15
Americo Cianchetti (77)	March 20
Elmer Irving (76)	March 26
Mark Martegane (81)	March 26
Edmund Zachewicz (75)	March 28
John Bryson (73)	March 28

Sympathy

To Thomas Burford (6621) on the death of his father, Byron "Bill" Burford, in Albuquerque, March 24.

Supervisory Appointments

TAMARA FERGUSON to Manager of Radar Fuze Dept. 2341.



TAMMY FERGUSON

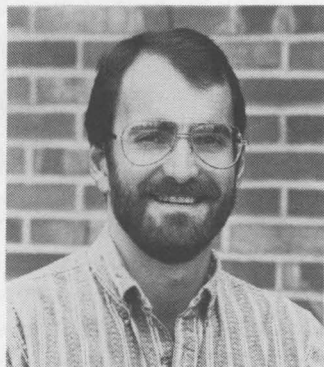
Tammy joined Sandia in 1985 as a member of Electronic Development Div. II in the Radar Department. Her specialty is microwave/RF circuit design.

She has a BS and ME in electrical engineering from the University of Idaho. Tammy is a member of IEEE and the Microwave

Theory and Techniques Society.

MICHAEL ROCCO to Supervisor of Zone B Operations Team 7812-2.

Mike joined Sandia in 1980 as a member of the Maintenance Modification Department. Other departments he's worked for include the Utility Systems Department and Maintenance Operations departments in Areas 1, 3, and 5. He is a graduate of Sandia's Mechanical Apprentice Program.



MIKE ROCCO

CAROLYN BEELER to Supervisor of Occupational Health Nurses Team 7033-1.

Carolyn came to Sandia in 1988 as a nurse in the Industrial Medicine Department. She serves as a member of Sandia's Human Studies Board.

She has degrees in nursing and health arts from the University of Albuquerque and the College of St. Francis.

Before joining Sandia, Carolyn worked for Kaseman Presbyterian Hospital and was

Getting Set for the TSA

ES&H Efforts Boost Impact-Test Rate

As Sandia prepares for a DOE Technical Safety Appraisal (May 17-26 at California and June 14-25 at New Mexico), ES&H Program External Interface Office 7026 is presenting the experiences of Sandia groups that have dealt successfully with ES&H and Conduct of Operations issues. Some of these experiences will be discussed in more detail at meetings to be announced soon.

In FY92 — the first full year after the Tiger Team audit in 1991 — the Shock Thermodynamics Applied Research (STAR) Facility set a record by conducting 256 tests. (The previous record for the facility was 192 tests in FY89.) There were several reasons for this productivity increase, but we're convinced that one of them is our ES&H and Conduct of Operations efforts.

The STAR Facility is operated by Experimental Impact Physics Dept. 1433 in remote Area Y. It uses gas-gun launchers for impact experiments at velocities that reach more than 12 kilometers per second. During FY92, the facility had heavy demand from Work for Others and internal customers. The staff worked hard, putting in overtime to meet our commitments.

the first nurse at Kaseman to obtain the title of senior clinical nurse. She received a Distinguished Nurse Award from Presbyterian Healthcare Services in 1984. Carolyn is a member of the American Association of Occupational Health Nurses and the New Mexico State Association of Occupational Health Nurses.

RICHARD TOLEDO to Supervisor of Material Procurement/Warehouse Team 7815-2.

Richard joined Sandia's Structural Technician Apprenticeship Program in 1976. Organizations he's worked for include the Facilities Modification Section and the Operations Planning Team.

Before coming to the Labs, Richard worked for Ponderosa Products' plant maintenance department.

CHARLES DUUS to Manager of Financial Systems Project Management Dept. 158.

Chuck joined Sandia in 1983 as a contract auditor in the Contract Auditing Division. Organizations

he's worked for include Financial Policy and Procedures, Administrative Policies and Procedures, Management Information and Results, and Non-Weapons Budget divisions, Corporate Policies Systems Studies Group, and the Chief Financial Officer's office. From 1987 to 1989, Chuck was assigned to AT&T Corporate Auditing in Greensboro, N.C.

He has a BS in accounting from the University of Montana and an MS in information systems from Colorado State University. Chuck is a Certified Public Accountant, and is a member of the American Institute of Certified Public Accountants and the Project Management Institute.

Doak Named Center 2100 Director

DON DOAK has been named Director of newly created Technical and Operations Support Center 2100.

"Center 2100's purpose is to increase the productivity of Division 2000 by reducing administrative workload for others in the division and resolving non-programmatic issues, including ES&H and quality initiatives," says Don. "The new center will be operated with total focus on our customers."

Don joined Sandia in 1958 as a member of the Structural Dynamics Division. He was promoted to Supervisor of the Advanced Development Division in 1978 and was named Manager of the Computer-Aided Design and Integration Department in 1983.

Don has a BS in aeronautical engineering from Purdue University and an MS in mechanical engineering from UNM. He is a member of the American Society of Mechanical Engineers, Tau Beta Pi, and Sigma Gamma Tau.



DON DOAK

Take Note

The New Mexico Engineering Foundation and the New Mexico Society of Professional Engineers will present a professional-development seminar titled "The Engineering Professional in the 21st Century: Positioning Yourself for Success" on Thursday, May 6, 8 a.m.-5:30 p.m., at the Quality Four Seasons Hotel in Albuquerque. Speakers include Detlef Koska (senior principal with the global management consulting firm A.T. Kearney), John Warner (UNM's Anderson School of Management), Walt McConnell (VP and General Manager of Honeywell), and others. Registration is \$95. Because this is an interactive seminar, class size is limited. Register before April 30. For registration information, call 247-9181.

Free advance registration is now available to attend ISE '93, the 15th annual Ideas in Science and Electronics Exposition being held at the Albuquerque Convention Center May 11-13. The expo features free tutorials, business presentations, and technical seminars. Topics include environmental technologies, instrumentation and testing, medical/biomedical instrumentation, artificial intelligence and neural networks, computer networking systems, international trade, business development, and finance and venture capital. The kick-off event on May 11 at 9 a.m. features a discussion of the "Changing Role of Government R&D" with Paul Robinson, Sandia VP for Laboratory Development 4000; Peter Lyons, Deputy Associate Director for Energy and Environment at Los Alamos National Lab; and Joseph Janni, Chief Scientist at Phillips Laboratory. For information, contact ISE, Inc. on 262-1023.

Welcome

Albuquerque — Tonye Crooks (7325), Mary Garcia (21-1), Gail Hughes (21-1), Van Pham (182), Cheryl Huppertz (21-1), Jamy Peevy (21-1), Helen Srader (21-1), Linda Smith (21-1), Linda Williamson (21-1), Elizabeth Stillie (21-1), Stella Vigil (21-1). Other New Mexico — Susan Flores (21-1), Berlinda Carrillo (21-1), Joyce Loiacono (21-1), Kathleen Sauer (21-1), Janice Torres (21-1).

Elsewhere: Arizona — Kariann Morin (6117); Florida — Jerry McClellan (5702); Ohio — Otto Laursen (7724).

Phil Stanton

Manager, Experimental Impact Physics Dept. 1433

Congratulations

To Angela and Steve (5151) Schafer, a son, Kevin Andrew, March 4.

Take Note

The 39th International Instrumentation Symposium, presented by the Aerospace Industries and Test Measurement Divisions of the Instrument Society of America, will be held May 2-6 at the Marriott Hotel in Albuquerque. Topics include measurements and sensors, data systems, instrumentation systems, and regulatory and health issues. In addition to technical papers, the symposium features three short courses, five tutorials, and vendor suites. For information and registration forms, call Ed Clark (1554) on 4-4857.

¡Magnifico! Albuquerque Festival of the Arts is coming April 30-May 16. ¡Magnifico! is offering two-for-one admission, or a dollar off the individual admission, to Sandia employees to the festival's visual art exhibits at the Convention

Center May 1-16. ¡Magnifico!, a city-wide celebration of the visual, literary, performing, and culinary arts, includes more than 200 events in 17 days. Present your Sandia ID card (do not use your badge) at the exhibit's entrance. Events include the Art of Albuquerque Show; ¡Magnifico! Invites; Fiesta Artística de Colores; Gathering of Native Americans Arts and Crafts exhibit; Brown Bag Series of performances at Old Town and Coronado Center; Studio Safari; Art at the Airport; Artscrawl; Dance ¡Magnifico!; and Bookfare: A Celebration of New Mexico Authors. For information and a calendar of events, call 284-2282.

Retiring and not shown in LAB NEWS photos: Arthur Rodriguez (7723).

Fun & Games

Soccer — It's time to register for Sandia Summer Soccer. The league is a fun-oriented coed league, and all Sandia, DOE, and contract employees and their adult dependents are eligible to join. Games will be on weekdays, June 1-July 31. Teams and individual players are welcome. To register, please complete the form in the May issue of the SERP Newsletter and forward it to Rick Hurley (2345) by May 10. If you have questions, please contact Rick on 299-8401.

Golf — The Sandia Golf Association will hold the Chet Fornero Classic Golf Tournament (individual) at the Paradise Hills course on May 8. Please call Mark Retter (5713) on 293-4754 for information.

UNCLASSIFIED ADVERTISEMENTS • UNCLASSIFIED ADVERTISEMENTS • UNCLASSIFIED ADVERTISEMENTS

Deadline: Friday noon before week of publication unless changed by holiday. Mail to Dept. 7162.

Ad Rules

1. Limit 20 words, including last name and home phone (the LAB NEWS will edit longer ads).
2. Include organization and full name with each ad submission.
3. Submit each ad in writing. No phone-ins.
4. Use 8 1/2" by 11-inch paper.
5. Use separate sheet for each ad category.
6. Type or print ads legibly; use only accepted abbreviations.
7. One ad per category per issue.
8. No more than two insertions of same "for sale" or "wanted" item.
9. No "for rent" ads except for employees on temporary assignment.
10. No commercial ads.
11. For active and retired Sandians and DOE employees.
12. Housing listed for sale is available for occupancy without regard to race, creed, color, or national origin.
13. "Work wanted" ads limited to student-aged children of employees.

MISCELLANEOUS

- GRILL GUARD, for '87-'88 Toyota 4x4, 3-in. crossbars, chrome, new in crate, \$65. West, 292-2271.
- MITCHELL FISHING HUT, w/slider & jacks, \$1,200; trailer axles (2), w/brakes, \$150; Weathergard cross-bed tool box, \$100. Fleming, 869-9165.
- SEWING MACHINE, w/cabinet, \$50; boy's suit, size 10, worn twice, \$25; clothes, boys & womens, 25c to \$2; books, 4 for \$1. Montano, 271-9756.
- GAS LAWN MOWER, Jacobson, 24-in., rear discharge, w/bag, safety shutoff, low operating hours, \$150. Record, 243-5103.
- CARBURETORS (2), Harley Davidson Screaming Eagle, \$150/ea.; radar detector, \$25 OBO. Gonzales, 344-4933.
- DRESSER, antique, golden oak, w/hat boxes on both sides of vertical beveled mirror, excellent condition, \$450. Locher, 266-2021.
- CABINET, 65-in. high, heavy, light oak, can be used for stereo, TV, clothing or storage, needs shelves & back, \$50. Price, 881-7696.
- COMPUTER, Mac Classic, 40MB HD, 4MB RAM, loaded, 1 yr. old, \$1,000 OBO. Hole, 260-1304.
- FLATBED TRAILER, 10-ft.; utility trailer, 5-ft.; Stowmaster auto tow bar; radial arm saw, 10-in.; freezer, 21-cu. ft. Otts, 884-5072.
- BUNK BEDS, hardwood headboards & footboards, steel rails, \$70 OBO. Ystesund, 293-7634.
- SOFA & LOVE SEAT, \$200; coffee & end tables, \$70; chairs, \$5/ea.; baby walker, \$10; changing table for crib, \$6; battery swing, \$35; misc. Scott, 294-8627.
- GARAGE SALE: April 17, 8 a.m. to 5 p.m., 11413 Hannett Ave. NE. Suderman, 292-7773.

- CRIB, white, Mickey Mouse Nod-A-Way, w/mattress, Mickey Mouse bumper pad & sheet, \$85. Perry, 883-9579.
- BENTWOOD ROCKER, oak & cane, \$30; child's Jenny Lind rocker, large, \$20; both in excellent condition. Stang, 256-7793.
- LEATHER RECLINER, white, perfect condition, \$250; roll-top desk, \$200; bed, adjustable, motorized, new, \$300. Westfall, 884-4526.
- CONSOLE TV, 25-in., Curtis Mathis, great picture, \$100. Kinney, 298-5281.
- FLOPPY DISK DRIVE, 360KB, & dual controller card, includes cables & documentation, \$40 OBO. Chavez, 275-0490.
- SATELLITE DISH, complete, w/General Instruments video cipher, includes 9-month subscription to Super Stations, ESPN, etc., \$500 firm. Ferguson, 292-3824.
- FORD PLOW, two-bottom, 12-in., \$300; harrow sections (3), \$100. Patterson, 299-1062.
- CAMPER SHELL, for Dodge D-50 or small pickup, white, insulated, lights, sliding windows w/screens, great condition, \$250. Fetzer, 281-1925.
- ENTERTAINMENT CENTER/WALL UNIT, 58"W x 72"H x 16"D, oak w/medium stain, 3 adjustable shelves, \$110. Harrington, 899-1277.
- VACATION FOR TWO, 4 nights in Fort Lauderdale & 2 nights in the Bahamas, plus a round-trip M.V. Discovery Cruise, \$338 OBO. O'Brien, 892-2498.
- NAVAJO RUG, new, 30" x 52", traditional colors, black, gray, white, maroon. Trembl, 856-0662.
- FACTORY SERVICE MANUALS: '70-'79 VW, \$16; '80 Toyota pickup, \$22; '84 Pontiac Firebird, \$22. Cook, 869-6921.
- CENTURY PLANTS (agave), various sizes, to about 1-ft. diameter, locally grown, \$5 to \$15. Bando, 292-2452.
- SHAPER, w/stand, Sears, 1/2-in. spindle, \$250. Foflygen, 294-9768.
- FINANCIAL CALCULATOR, HP17BII, brand new (used 2 hrs.), cost \$89, sell for \$70. Brooks, 255-7551.
- DP WEIGHT BENCH, w/barbells, \$75; desk, standard office-size, metal frame, wood-grain top, \$60. Oglesby, 296-5361.
- '88 COLEMAN CHESAPEAKE FOLDING TRAILER, sleeps 7, heater, awning, must see, \$3,900; '68 Gibson J50ADJ guitar, immaculate, \$800. Hastings, 881-6789.
- TRI-AXIAL SPEAKERS, one pair, 12-in., \$35/ea. Minnear, 281-0946.
- FIREPLACE INSERT, tile inset, woodburning, SuperHeat ZC, not used much, \$350; running boards for mini-van, \$35. Platzbecker, 299-6096.
- EPSON T-1000 PRINTER, 9-pin, almost new, \$100. Condit, 898-6484.
- BARBEQUE GAS GRILL, 35,000 BTU "thermos," side burner, filled LP tank, assembled, never used, new \$179.95, sell for \$110. Adams, 256-7265.
- VACUUM CLEANER, Hoover Celebrity QS (quiet series), tank type, \$50. Gorney, 821-9623.
- 289 FORD HEADS, completely rebuilt, \$130. Klein, 869-6005.

- BABY STUFF: toys, clothes, accessories for 5-month-old boy weighing 16 lbs., 26-in. Forster, 293-7231.
- USED BATHROOM ITEMS: tub, sinks, vanity, cabinets, toilet, shower door, tile, closet doors, & faucets, good condition. Balthaser, 298-5794.
- TEAK PLATFORM BED, queen-size, w/matching night stands, headboard, and reading lights, very good condition, \$250. Warner, 294-2639.
- PATIO SET, white, 4 chairs & table, like new, \$90 OBO; band saw, heavy duty, 4-spd., 3/4-hp, wood or metal, new, \$600. Green, 898-3791.
- KENMORE REFRIGERATOR, white, excellent condition, new \$700, sell for \$250 OBO. Forster, 293-7231.
- EPSON IX100 PRINTER, \$95; FH series users manual, Vol. 1, \$10. Johnson, 255-5427.
- DRAFTING/MAP TABLE, steel, 4-post, 4-drawer, cross-slide drafting arm included, \$500 OBO. Rice, 271-2531.
- OFFICE DESK, wood, 3' x 6' desk-top, letter-size file drawer, 4 regular drawers, one locking pencil drawer, good condition, \$75. Morrison, 299-4757, leave message.
- IBM MONITOR, color CGA, \$95; keyboard, 101 keys, \$20. Dietzel, 294-4702.
- BICYCLE PANNIERS (saddle bags), like new, \$40 OBO; Rheem water heater, 40-gal., 10-year Energy Saver Model, installed for 7 wks., \$100. Clark, 281-1243.
- PROM DRESSES: white/black velvet; fuchsia; royal blue; light pink; sizes 5-8, tea-length, worn only once. Romero, 865-5744.
- EXTERIOR DOORS (9), 32" x 80", light, 2 panel fir, never cut for knobs or hinges, new condition, \$65/ea. Schmale, 883-4841.
- POSTURE SEAT, adjustable, wood, upholstered, \$35; child/pet gates, \$5/ea. Liguori, 256-3613.
- TUXEDO, Pierre Cardin, black, 33-34-in. waist, 35-in. length, best offer. Tomek, 292-7266.
- DOG PACKS, will fit medium-sized dog, like new, \$20. Schneider, 293-6612.
- ELECTRIC LAWN MOWER, Black & Decker, flip-over handle, used 2 seasons, no bag, \$30. Mauldin, 293-3763.
- EARLY AMERICAN BROYHILL COUCH, \$195; loveseat, \$175; sewing table, pine, \$80; portable manual typewriter. Straub, 298-9270.
- COMPUTER EQUIPMENT, Epson Equity I, w/20MB hard drive, monitor, 640K RAM, printer, \$300 OBO. Henderson, 281-8271.
- MAPLE DRY SINK, Ethan Allen, perfect condition, \$300; bookcase, 5' H x 30" W, wood grain finish, \$40. Maloney, 828-9610.
- CARPET, 90 yards, gently used, top-quality, majority is rose, some is beige, no pad, \$3/yd. Seager, 299-7629.
- TWIN BEDS, refrigerator, freezer, dryer, couch, recliners, swivel rocker, coffee & end tables, lamps, cedar chest, dressers, tables. Filusch, 299-5932.
- CONCERT TICKETS, to Paul McCartney concert, Las Cruces, April 20, one pair, \$50 for both OBO. Fuller, 897-1881.

- LUGGAGE SET, 4-piece, orange, \$15. Lucero, 296-2473.
- LAWN MOWER, 21-in., 4-hp Snapper, excellent condition, \$100; moving boxes, 65 various sizes, \$40. Klem, 281-0632.
- BUNK BEDS, 1 captain's bed, 2 children's dressers w/attached bookshelves, quality dark oak, \$700 for all, OBO part. Connor, 268-1682.
- CEILING LIGHT FIXTURE, for kitchen, fluorescent, 4-ft., 2-bulb, \$20; Riccar upright vacuum cleaner, excellent condition, \$50; Kirby vacuum cleaner, rebuilt, \$40. Caskey, 298-6428.
- CHILDCRAFT CRIB & BED, w/drawers, excellent condition, \$400 OBO. Biggs, 265-3036.
- PRECOR 612 ROWING MACHINE. Leeman, 281-7949.

TRANSPORTATION

- '75 CHAMPION MOTORHOME, 24-ft., roof AC, generator, microwave, CB, stereo, custom built for 2 people, \$7,100. Rutter, 299-5872.
- SPECIALIZED BICYCLES: '89 Hardrock mountain bike, 16.5-in. frame, w/Scott bar, \$175; '89 Cirrus road bike, 52cm, w/leather grips, \$200. Clarke, 294-7129.
- RUBBER BOAT, 4-person, Shevel seat, motor bracket, plywood floor, electric motor to inflate or deflate, \$185. Chavez, 294-7933.
- '84 CHEV. CONVERSION VAN, loaded, 4 captain's chairs, queen-size sleeper sofa, front & rear AC/heater, above average condition. Ferguson, 292-3824.
- '89 PONTIAC GRAND AM LE, 66K miles, burgundy, tilt wheel, cruise, quad four engine, excellent condition, must sell, \$6,250. Cook, 292-0196.
- '68 CHEV. CAMARO CONVERTIBLE, RR/SS, show car, 1st Farmington show, 2nd World of Wheels, 95% restored, \$15,000 firm. Cusenbary, 839-9387.
- '82 ITASCA MOTORHOME, 22-1/2-ft., class A, diesel engine, 61K miles, loaded, excellent condition, \$12,995. Schuler, 821-8944.
- MAN'S RACING BIKE, Nishiki Sport, 27-in., 12-spd., \$60. Moyer, 881-3879.
- '81 PONTIAC TRANS AM, 305 V-8 engine, metallic brown, 1 owner, excellent throughout. Latoma, 867-6642, call after 6:30 p.m.
- '89 DODGE RAM CONVERSION VAN, all options, 57K miles, \$11,000; Murray Baja M-C Bike, 15-spd., 26-in., \$100. Oglesby, 296-5361.
- BOAT, '91 Sunbird, 18-ft., 175 hp, OMC V-6 Cobra, many extras, excellent condition. Southward, 899-2246, weekdays after 6 p.m.
- '83 HONDA ACCORD LX, hatchback, original owner, AT, radio cassette, excellent condition, \$2,100. Minnear, 281-0946.
- '86 PORSCHE 911 CARRERA TARGA, 48K miles, excellent condition, \$24,000 OBO. Meeks, 292-5915.
- MAN'S MOUNTAIN BIKE, Columbia, 18-spd., charcoal gray, \$125 OBO. Romero, 865-6916.
- GIRL'S BIKE, 24-in., Nishiki, 10-spd., metallic blue, like new, \$65. Greenholt, 294-5286.

- '85 NISSAN PULSAR, white w/maroon interior, 5-spd., AC, sunroof, tint, AM/FM cassette, \$2,800. Obenauf, 821-9412.
- '82 TOYOTA CELICA GT, 5-spd., sunroof, very clean. Hole, 260-1304.
- '71 TOYOTA LANDCRUISER, 2-dr., 70K miles, new tires & brakes, Warn electric winch, excellent condition, \$4,995. Baty, 857-0697.
- '87 VOLVO 240GL, leather, new tires, power windows, AM/FM cassette, ski racks, 42K miles, 1 owner, \$10,500. Volk, 299-1702.
- BICYCLE, Schwinn LeTour, 10-spd., \$50. Klem, 281-0632.
- BICYCLE, Nishiki, 18-spd. w/generator set. Leeman, 281-7949.

REAL ESTATE

- 1-3/4 ACRES, upper end of Navajo Lake, commercial, near boat ramp, campground. Gaeto, 881-9753.
- 3-BDR. HOME, 1-3/4 baths, 2-car garage, 1,520 sq. ft., fireplace, sprinklers, new pitched roof, mountain & city views, Tramway & Copper. Dana, 294-1327.
- 3-BDR. HOME, 2 baths, 2 fireplaces, 1,860+ sq. ft., passive solar, thermal windows/doors, security bars, backyard access, quiet cul-de-sac, close to schools. Edmund, 881-7974.
- 3-BDR. HOME, 1-3/4 baths, new carpets throughout, new vinyl in kitchen/bath, sprinklers, walled yard, quiet NE neighborhood, \$82,750. Dow, 881-2958.

WANTED

- COLOR TV, 13-in., cable ready. Kercheval, 1-864-6549.
- NORDICTRAK. Hermann, 299-4577, evenings.
- SMALL FREEZER, chest or upright, the smaller the better. Epperson, 268-4882.
- SERVICE MANUALS, for '86 & '89 Ford Ranger. Cook, 869-6921.
- BRICKS, any color/condition; flagstone or landscaping rock; also interested in contacting Sandians who enter puzzle, game, cryptology, or related contests. Brooks, 255-7551.
- CHILD'S CAR SEAT, in good condition. Forster, 293-7231.
- LITTLE TIKES TOYS: activity gym, play house, & picnic table, good condition. Weed, 823-2396.
- REAR-MOST BENCH SEAT for '87 Ford Aerostar XL mini van, w/mounting hardware if available. Leeman, 281-7949.

LOST & FOUND

- LOST: Prescription sunglasses w/safety lens, bi-focals, brown frames, soft case, on April 5, between south parking lot at Gate 10 and Bldg. 892. Bronkema, 4-9766 or 291-1323.
- LOST: Prescription sunglasses in black cloth case. Westfall, 884-8701.

Coronado Club Activities

From Tea Dance to Secretaries' Lunch Special: It's All Coming Up at the Club

PROFESSIONAL SECRETARIES DAY is Wednesday, April 21. Any secretary lunching at the C-Club that day will receive a 10-percent discount on the cost of the meal. Lunch hours are 11 a.m. to 1:15 p.m.

ONE MORE CHANCE this month to enjoy a C-Club Sunday Brunch and Tea Dance. The date is April 18, the buffet is scrumptious, and the music is perfect for dancing. The brunch, which begins at 10 a.m. and continues until 2 p.m., is priced at \$6.95 for adult members, \$7.95 for guests, \$2.50 for kids 4-12 years old, and free for toddlers 3 and under. Bob Weiler and Los Gatos strike up the music at 1 p.m. and play until 4 p.m. Reservations required — call 265-6791 and make sure of your place in the fun.

POORBOYS A-COMIN' — The Isleta Poorboys will be on hand next Friday evening,

April 23, for one of the Club's great Friday dinner dances. They're a popular group, so why don't you make reservations now! Just call 265-6791, and then you'll have a whole week to decide whether you'll choose the 8-oz. filet mignon, the golden fried shrimp (\$11.95 for either), or the all-you-can eat buffet (\$6.95). Dinner will be served from 6 to 9 p.m., and the 'Boys will play from 7 to 11 p.m.

BINGO! Thursday evening bingo continues at the Club, and it's just the thing to get you in the mood for Friday — maybe even finance a weekend getaway, if you strike it lucky. The Early Bird session starts at 6:45 p.m., and regular bingo about 7 p.m. For as little as \$5, you can play 12 games of regular bingo. Wanna go big-time? For \$1 more, you can play U-Pick-'Em, with a jackpot that can go as high as \$2,000. Come on and join the fun!

New Savings Plan Briefings Under Way

Comprehensive brochures detailing the changeover from the AT&T Savings Plans to Fidelity Investments, and the establishment of new and separate Sandia Corporation Savings Plans, were mailed by Fidelity to active and retired Sandians April 8.

The brochures were sent to the homes of current savings plans participants, those currently eligible to enroll in the plan, employees who will become eligible to enroll in the plan, former employees with money in the AT&T Savings Plan, and retirees who have money in the AT&T Savings Plan.

Informational meetings about the changeover, which began April 14 and continue through April 28, are being held at the New Mexico, California, and remote Labs sites. Following is a schedule of meetings still to be held — including date, place, time, and (where pertinent) the specific group invited to that briefing:

April 19

Albuquerque, TTC (Bldg. 825) — 8:15-10 a.m.: Orgs. 6000, 6100, 6200, 6300, 6400, 6500; 10:15 a.m.-noon: Orgs. 6600, 6900, 7000, 7010, 7020, 7030, 7100; 12:45-2:30 p.m.: Orgs. 7200, 7300, 7400; 2:45-4:30 p.m.: Orgs. 7500, 7600, 8600; Livermore, CRF Auditorium — 9-11 a.m. and 1-3 p.m.: all organizations.

April 20

Albuquerque, TTC — 8:15-10 a.m.: Orgs. 7700 and 7800; 10:15 a.m.-noon: Orgs. 7900, 9000, 9100, 9200; Albuquerque, Bldg. 9981 Auditorium (Solar Tower) — 1:30-3:30 p.m.: all Solar Tower and Coyote Test Facility employees; Livermore, CRF Auditorium — 9-11 a.m.: all organizations.

April 21

Albuquerque, Coronado Club Fiesta Room 1 — 8-10 a.m.: retired Sandians.

April 22

Albuquerque, Coronado Club Fiesta Room 1 — 8-10 a.m.: retired Sandians; Albuquerque, TTC — 3-4:30 p.m.: Orgs. 9500, 9600, 9700, 9800, 9900; Amarillo, Texas, Pantex Facility — time to be announced.

April 23

Albuquerque, TTC — 2:30-4:30 p.m.: make-up meeting open to all Sandians; Albuquerque, Coronado Club Fiesta Room 1 — 8:30-10:30 a.m.: make-up meeting open to all Sandians; Carlsbad, N.M., WIPP Site — 8 a.m.; Arlington, Va. — 1 p.m.

April 27

Mercury Facility, Nevada — 7:15 a.m.

For Your Benefit

Q&A's about Prescription Drug Plan

A new Prescription Drug Plan recently became effective for Sandia Medical Care Plan participants. If you did not receive a packet and you are enrolled in the Medical Care Plan (not a health maintenance organization), please call (505) 845-9706.

Videotapes of a presentation about the plan are available from the Sandia/New Mexico Technical Library (844-2738) and from Sandia/California Benefits (294-2254).

Here are answers to some frequently asked questions:

Where can I get extra Caremark Mail-Service order forms and envelopes?

You will receive a new order form and Caremark envelope each time you receive medication by mail order. However, if you need additional forms, you have two methods:

1. Call Caremark Customer Service on 1-800-841-5550, from 6:30 a.m. to 8 p.m. weekdays and from 7 to 11 a.m. on Saturday (hours are Mountain Time).

2. Call Sandia Line. Use a touch-tone phone and dial 845-6789. (If you are not in Albuquerque, call 1-800-242-8456, then dial 845-6789.) At the menu, press 9 to access Quick Dial Codes, then enter 1286#. You'll hear instructions for entering your home address. An order form and customer profile will be mailed to you.

Can my physician call in my refill to Mail Services?

No. Mail Services accepts only original prescriptions written with the refill information.

I would like to price-shop between Sandia's retail network pharmacies and other pharmacies in town. When I called the network pharmacy, the pharmacist said he did not have Sandia's prices available without entering my name and specific drug in the computer. Why is this, and how can I easily make a price comparison?

In the retail network pharmacies, the Sandia discounted prices are listed by National Drug Code (NDC) and by the participant's name and social security number. If the NDC number is not indicated on your prescription, provide the pharmacist with the exact name, dosage, and days of supply of the prescription drug. To give you the specific price, the pharmacist must enter this information in the computer as though you are purchasing a prescription, and then cancel the prescription. Prices change weekly on a national basis, making it impractical to provide a report to all pharmacies for Sandia's specific customer drug prices.

Important: Caremark has negotiated the

same level of discount with all the select retail pharmacies.

When you price shop, make sure that the pharmacist knows you are price shopping and provides you with the specific Sandia price by entering the information in the computer data base. Also, make sure that the pharmacist removes the order from the computer if you do not buy the prescription. Or you can fill one prescription through the network pharmacy and compare with other non-network pharmacies for future reference.

The Mail Services claim form has a space for my signature certifying that my dependents do not have primary coverage under another group health care plan. Does this mean that if my spouse or children have primary coverage with another employer, I cannot use the Mail Services for their prescription drugs?

That is correct. If your dependents have primary coverage under another group health care plan that covers prescription drugs, then those dependents are not eligible to use the Mail Service pharmacy. The retail network pharmacy can be used, because these claims are filed with Mutual of Omaha and coordination of benefits is invoked with the other plan.

If you have other questions about the Prescription Drug Plan for Medical Care Plan participants, call Louise Loudon on 845-9706. ●



"WOMEN ON THE MOVE" awards from the YWCA went to four Sandians this year — (clockwise from top left) Lynne Rathjen (7202), Gina Rightley (6515), Linda Logan-Condon (612), and Bonnie Hardesty (7202). Awards went to a total of 12 Albuquerque women. These four winners were among 20 Sandians nominated. Lynne received her award in the Business Managerial category, Gina in Science and Technology, Linda in the Business Entrepreneur category, and Bonnie in the Financial category. All four women are active in the community.