



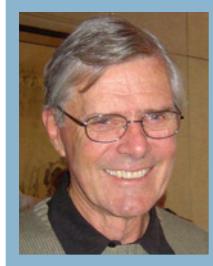
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DECEMBER 2006 NEWSLETTER



Happy Holidays

MESSAGE FROM PRESIDENT BOYD FAIR



Boyd Fair

My how time goes by ...

Do you realize that by the time you receive this Newsletter, you will have totally forgotten about the big feast you had on Thanksgiving and be well into the Christmas holiday celebrations? It seems like only yesterday the Steering Committee was starting to plan for the 2006 Spring Fling at SLAC.

This year has been one of celebrations around the Toot (that is for you old timers who remember the good olde days). SRI turned 60 years old during 2006! The Molecular Physics Laboratory celebrated 50 year of operations. Our Credit Union also celebrated its 50th year of service to the staff. Engineering celebrated the 30th year anniversary of the first wireless internet transmission of data that evolved into the Internet as we know and love it today. Your Alumni Association had its 10th birthday this past year and I can't believe that I have been your Steering Committee Chairman for nearly 3 years already!

SRI celebrated its special anniversary with a big shindig held at the Computer History Museum in Mountain View. The event was a big success with more than 300 guests in attendance.

Our own celebration took place during October of this year. The annual reunion was the largest (and

dare I say most successful?) event of its kind to date. Tom Anyos and his committee did a superb job planning and organizing the event which had nearly 175 signups and over 160 people in attendance. Those of you who attended know that I had a bad case of laryngitis and could hardly speak, but Tom graciously filled in and hosted a truly memorable event. See your happy faces, and those of your colleagues, in the pictures inside.

You will also find interesting articles about the Molecular Physics Lab and the original Packet Radio data transmission experiment. These articles describe some of the wonderful research projects of SRI's first 60 years. You can also learn about what some of our SRI colleagues are doing now that they have retired.

Lastly, I hope that you all have taken a look at your new Web page. Our new Web Committee, co-chaired by Russ Dewey and Phil Monti, have done a wonderful job of redesigning and rebuilding the page. Additional pictures of the SRI celebration and Alumni events can be found there along with past issues of our Newsletter. (There is a link to the Alumni page on the SRI home page "sri.com".)

Your Alumni Association Steering Committee and I also want to take this opportunity to wish you all a happy holiday season and a healthy and prosperous New Year.

... Boyd

ALUMNI REUNION

*Happy 10th
Birthday!*

*SRI
Alumni
Association*



The biggest gathering ever! 160 alumni and guests attended the 2006 Reunion on October 12 held again in the SRI International Building. Members and guests were welcomed by:

Marlyn Johnson
and
Joyce Berry

Jane Cano
and
Dorris Miller



Plenty of food and drinks for all.

Thanks to
Arturo Franco
and the entire staff
of Conference Services
for providing the menu
and their excellent
support in planning
and serving at the
reunion.



ALUMNI REUNION (Continued)



The SRI Credit Union offered champagne as a special treat.



*Reunion
photos
by
Don Berry
and
Bob Schwaar*



ALUMNI REUNION (Continued)



Event Chairman, Tom Anyos, welcomed members and guests to the reunion.

Tom Furst gave us an overview of the current status of SRI's business.

ALUMNI REUNION (Concluded)

*Special Presentation:
“Looking Toward An Alternate Energy Future”*



Two SRI scientists gave us a look at a current project: Dr. Angel Sanjurjo (*left*) described a low-cost way to make silicon for solar-cells and Dr. Iouri Balachov (*right*) talked about the Direct Carbon Fuel Cell that generates electricity from pulverized coal [see the Alumni Newsletter, December 2005, p. 13].



2006 SRI Alumni Association Hall of Fame Inductees



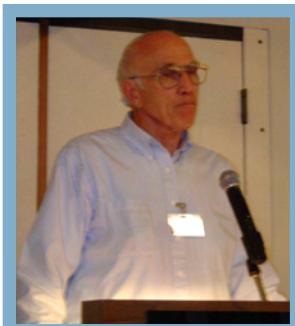
Bill English



Jeff Rulifson



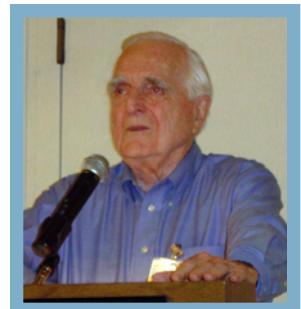
Carl Spetzler



Archives Chairman, Don Nielson, did an outstanding job of relating the history of the 2006 Hall of Fame inductees.



Their citations are shown on the alumni website.



1998 Hall of Famer. Doug Engelbart, spoke highly of his former colleagues inducted into this year's Hall of Fame.

Thank You! Thank You! Thank You!



Special recognition went to Hope Donovan-Bowles, Sandy Hinzmann, and Jeanie Tooker, for the continued support received by the Alumni Association from the SRI Credit Union, Staff Activities, and the SRI H-R Department.



Visiting with friends and colleagues continued in the Exhibit Hall with cake and coffee.

SRI's 60th ANNIVERSARY CELEBRATION

Celebrating 60 Years of Innovation

That's the title of a new 17-minute video that was shown recently at twin celebrations of SRI's 60th birthday. At noon on November 6, SRI staff members viewed the video and were treated to a birthday cake. Later that day alumni and other supporters and friends of SRI gathered at the Computer History Museum for an evening of nostalgia and celebration.

The video features several SRI researchers talking about their current research projects. Many of SRI's most notable achievements in seven areas were reviewed with nostalgic old photos. Curt Carlson reminded us that more than 50,000 projects have been undertaken "one innovation at a time."

The packed house then heard a panel discussion by four of SRI's greats [photo] as they reminisced and responded to questions from the audience. The conversation was moderated by Paul Saffo, a director of the Institute for the Future.

Having joined SRI in 1948, **Paul Cook** spoke about the earliest days of the Institute. Paul went on to found and lead Raychem, but when it was sold many years later, Paul returned to SRI as Chairman of the Board to guide it through a difficult transition in the 90s.

Don Nielson reminded us that SRI has been an invaluable training ground for budding entrepreneurs, and he cited several examples.

Phil Green reflected on his work in developing and commercializing medical applications of ultrasound, noting that until then, clients usually retained patent rights to inventions on SRI projects. Now that SRI is able to obtain patent rights on its inventions, even on government-sponsored projects, licensing revenues have mounted into the millions annually.

Phil was also persuaded to tell the story of how his group managed to install a gargoyle high on the shiny new vent stacks of Building P as a Halloween prank in 1980. But Phil claims he was out of town and knew nothing about it.

Doug Engelbart, still looking forward, spoke about the unlimited potential for bootstrapping the power of the individual through enhancement of his virtual capabilities.

Speaking from the audience, former SRI president **Bill Miller** reminded us that the concept of forming a research institute such as SRI dates back to the days of Herbert Hoover, who strongly favored creating a home for applied research.

Curt Carlson was on hand too, to disclose to us that SRI is having another banner year. He is always quick to credit SRI's successes to its innovative staff, building on the accomplishments of more than 26,000 alumni and current staff over the past 60 years.

The love-feast concluded with a taste-test of TWO scrumptious birthday cakes! Guests departed with SRI mugs, a copy of a colorful timeline of SRI's first 60 years, and a DVD of the video as souvenirs of the unforgettable occasion.

Left to right: Moderator, Paul Saffo; Panelists, Douglas Engelbart, Phil Green, Donald Nielson, and Paul Cook.

Photo by: John Leung



MOLECULAR PHYSICS LABORATORY CELEBRATES 50 YEARS

SRI's Molecular Physics Laboratory (MPL) celebrated 50 years of molecular physics achievements in August. One of SRI's longest-running groups, the MPL began in 1956 with experimental and theoretical research in atomic beam collisions and chemical reaction mechanisms. Today, the laboratory provides government and commercial clients with fundamental and applied research in areas such as atmospheric chemistry and physics; trace species detection; biomedical optics; and high-temperature materials.

A commemorative volume of 100+ pages has been prepared under the direction of Don Eckstrom. In an Appendix, Dave Huestis has compiled a list of more than 1600 published papers by the MPL.

Seven of the SRI Fellows have come from the MPL—more than from any other group. Thirteen MPL alumni have gone on to occupy tenured professorships at major universities here and abroad, and many professionals at MPL have been on extended assignments—sabbaticals—at important universities and national labs.

The Molecular Physics Laboratory has worked on research projects for a large number of government clients, including: NASA, National Science Foundation, National Institute of Health, Department of Energy and the Department of Defense. Over the past five decades, the MPL's research and technology achievements have included:

Planetary airglow: In the 1960's, SRI pioneered the use of laboratory measurements to explain atmospheric observations of airglow. In 2001, SRI led a team that made the first observation of visible light emitted by oxygen atoms in the night airglow of Venus, offering new insight into the planet's atmosphere.

Laser development: In the 1970s, SRI pioneered the development of the ultraviolet excimer lasers that have been widely used for lithography by the semiconductor fabrication industry.

Surface Analysis by Laser Ionization (SALI): In 1984, SRI developed this method for analyzing metals,

semiconductors, composites, ceramics, and polymers. Ozone research: SRI's experimental investigations of chemical reactions on nitric acid and water ice particles helped explain the Antarctic ozone hole and were recognized by the AAAS Newcomb-Cleveland Prize for 1987.

Modeling complex chemical systems: In the 1990s, SRI and collaborators created comprehensive chemical mechanisms and models for natural gas combustion, of particular importance for controlling pollutant generation.

Trace species detection: SRI is developing advanced laser-based vapor detection instrumentation, offering exceptional sensitivity and chemical specificity.

A staff history shows that some 350 persons (including postdoctoral fellows, visiting scientists, and 35 International Fellows) have worked at MPL over the last fifty years. The staff grew slowly from 9 members in 1956 to 40 in 1975, peaked at 64 in 1987, then slowly declined to about 20 today.

Perhaps the longest-serving current staff member is senior physicist Tom Slanger, who arrived in January 1969. Earlier physicists with long service include Don Lorents (1959-1995) and Jim Peterson (1956-1992). Jim was one of the very first MPL staff, and he remained scientifically active after his retirement—almost to the day of his death in late January 2006.

The lab was initially housed in building 106A, but expanded by 1980 to fill all of Building 106A as well as parts of buildings 104, 104D, 102, and 116. These buildings were all demolished when MPL moved into the basement of the new physical sciences building (Building P) in 1980.

With so many visiting scientists from all over the world, the MPL staff developed a tradition of hospitality and welcome. There are many happy memories of dances, parties, ski trips, and hikes. Mutual help was organized when a large tree limb fell at Peet Hickman's house. MPL regularly fields a team in the Menlo Park Industrial coed noon softball league, which continues today. Finishing

MOLECULAR PHYSICS LABORATORY CELEBRATES 50 YEARS (Concluded)

frequently second, the Yoyos won the championship in 1989. The Institooters, a re-creation of the big band of the 1940s, was co-founded by Charlie Cook, and had a large component of other MPL 'tooters. The band still performs for SRI alumni reunions.

SRI's Molecular Physics Laboratory is still actively involved in the development of innovative technologies that result from scientific study, and offers technologies for license. The MPL also participates in the National Science Foundation's (NSF) Research Experiences

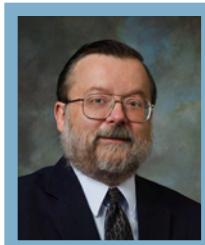
for Undergraduates (REU) program. Sponsored by the NSF Physics Division, SRI's REU Site offers outstanding students the opportunity to perform a variety of experimental and theoretical projects in actual laboratory settings. More than 130 students have participated in the program over 14 summers. SRI is one of very few non-university organizations to participate in this prestigious program.

For current information regarding SRI's Molecular Physics Laboratory, visit www.sri.com/psd/physics/.

SRI FELLOWS AND THE MIMI AWARD WINNER FOR 2006

The 2006 Mimi and Fellowship Awards were presented at a ceremony on November 10.

The Mimi Award, named in memory of Marian (Mimi) S. Stearns, who was vice president of SRI's Health and Social Policy Division, is the highest recognition offered to staff members who have fostered the personal and professional growth of their co-workers.



David Huestis was selected to receive the 2006 Mimi Award. Huestis, who joined SRI in 1973, is associate director of the Molecular Physics Laboratory (MPL) in the Physical Sciences Division. Many current and former staff members

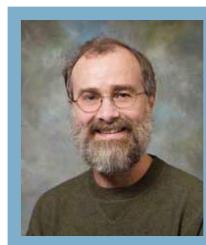
nominated Huestis for the award, citing his strong team-building and mentoring abilities. He is described as a key figure in MPL successes [see separate article about MPL's 50th anniversary] and a mentor to countless colleagues and students, as well as an enthusiastic collaborator and friend.

The two newest SRI Fellows are James Colton and Ron Pelrine.



James Colton, director of SRI's Poulter Laboratory, is an expert in the effects of explosions and impacts on structures. He has led many programs in which explosives are used to simulate a variety of dynamic

effects. For example, he has developed an explosive device for simulating the hypervelocity impact of a chemical weapon. This device is being used to study the dispersion of the chemical agent and ultimately the consequences on the ground. In another project he is developing a system for hardening windows against terrorist bombs that employs a novel technique to catch the glass and protect the building occupants.



Ron Pelrine, program director for SRI's Mobile Robots and Transducers Program, focuses his work in areas that often fall between traditional engineering and physics. He has developed new technology in electroactive polymers, magnetic levitation, robots and robotic mobility, microelectromechanical systems (MEMS), and sensing. He is a principal inventor of dielectric elastomers, a type of electroactive polymer often referred to as artificial muscle. He believes that some of the most exciting technical advances come from ideas that appear unlikely to work, such as engines made from rubbery polymers.



HISTORY CORNER

Celebration of an Early Networking Event

by Don Nielson

On August 27, 1976 several members of SRI's Telecommunications Sciences Center (TSC) drove out Alpine Road so as to distance themselves from SRI; at least in a radio-communications sense. The purpose was to celebrate a project milestone, and the place chosen to do it was Rossotti's, a venerable watering hole whose history is about as old as any building in the area.

The project was called Packet Radio (PR) and it was the world's first mobile digital radio system. But the capability to be celebrated that day actually transcended that radio system. It dealt with the new subject of internetworking. The announced purpose of this new digital radio net, sponsored by the Defense Research Projects Agency, was to provide a mobile extension to the only existing wired network called the ARPANET. This wired network was the first digital network that could flexibly interconnect a family of computers, which at the time were mainly a dispersed set of time-share hosts. SRI had been party to its creation some seven years earlier. The two networks were similar in that both were digital and both used an information conveyance technique called packet switching. The two were very different in their details.

But placing these two networks in tandem meant that some conversions were necessary wherever they were interconnected and, ideally, all that rigmarole would be hidden from the end users. An end-to-end protocol was written to do this and the TSC had just completed their implementation of it on the tiny hosts of the PR network.

Rossotti's was over the hill from SRI and yet had connectivity through a

PR repeater up by the Big Dish. So, on that day, 30 years ago, the first internetworking transmission took place, transmitting a very long file that was simply the weekly progress reports of the various DARPA PR contractors. While the transmission was realized as a milestone significant enough to celebrate as the beginning of internetworking, the future that was to unfold as the Internet was nowhere in sight yet. What was recognized, however, was the power of this kind of network unification. Electronic mail and file transfer were already in place and hugely popular and were the principal means of interaction among the research organizations of the DARPA community. Moreover, their acceptance as a future communications medium was well in place.

On Sunday the 27th of August, as many of those original celebrants as could returned to Rossotti's for a second celebration of that milestone this time partly in awe of what has transpired since. One of the principal contributors was Jim Mathis, who flew from Chicago, and others came from Phoenix and other parts of California. As the photo shows, the group was joined by others who had worked on some packet radio project or another, and so they outnumbered the eight or so that were there 30 years earlier.



NEWS FROM SRI

Another New User for SRI Speech Recognition Technology

Adacel, an industry leader in simulation development, software integration, and speech recognition technology, has received an exclusive license for SRI's DynaSpeak® speech recognition system for selected aviation voice-activated cockpit and mission specialist applications.

Adacel, a global software technology and systems integrator established in 1987, is headquartered in Orlando. The company is a leading developer of critical aviation, speech recognition, and defense simulation and security systems for government and commercial enterprises. More information about Adacel can be found at www.adacel.com.

DynaSpeak is a speaker-independent speech recognition engine for industrial, consumer, and military products and systems. It incorporates techniques developed and patented by SRI that yield highly accurate speech recognition, computational efficiency, and robustness in high-noise environments. Adacel is integrating DynaSpeak into aviation applications developed for pilots, crewmembers, mission specialists and unmanned aerial vehicle (UAV) operators. This will enable these individuals to use speech recognition as an alternative interface with displays, databases, communications, and command and control. By using voice commands, both flight personnel and specialists can configure instrumentation, navigation, database and other operational flight deck and aircraft functions.

"Allowing flight crewmembers and specialists the option of using voice commands to control specific functions of the aircraft and its systems provides a safer, faster way to accomplish their mission," said Fred Sheldon, Adacel's CEO, North America.

More information about DynaSpeak and other SRI speech technologies available for license can be found at www.speechatsri.com.

SRI Wins Software Competition

SRI International's "Yices" technology won a competition of formal verification engines at the Conference on Automated Verification (CAV) held in Seattle, Washington on August 20, 2006. The competition highlighted the arrival of a new class of engines that can address satisfiability modulo theories (SMT). The best of these verifiers now have wide capabilities and very impressive performance.

Formal verification is used to prove the properties of a system or to prove that it does not have a certain defect. Formal verification goes beyond software testing and is particularly important in systems such as those used for drive-by-wire, fly-by-wire and other critical safety systems.

SRI's Yices engine achieved the best performance at this year's competition, receiving first place ranking in every division of the competition and jointly in two divisions. The competition was divided into 11 divisions according to the combination of theories considered, ranging from difference logic through full linear arithmetic for integers and reals. A total of 12 SMT solvers competed, although not all tackled every division. The results showed significant progress over the previous year's competition. Results of the SMT competition are available at www.csl.sri.com/users/demoura/smt-comp.

"We're delighted with the performance of our technology at the competition," said Patrick Lincoln, Ph.D., director of SRI's Computer Science Laboratory where Yices was developed. "The design team should be congratulated for their outstanding achievement, which reinforces SRI's position as a leader in this field."

Along with several other related SRI technologies, Yices is currently available for evaluation and licensing at yices.csl.sri.com.

Formal verification is making steady progress in design flows for hardware and is gaining popularity in embedded software and in extended static analysis of mainstream software.

"Deep inside formal verification tools and static analyzers are the core engines that perform symbolic reasoning. These core engines provide the key strength of formal methods, which is the ability to examine all possible executions," said John Rushby, Ph.D., director of SRI's formal methods program at SRI.

Visit fm.csl.sri.com for details.

NEWS FROM SRI (Concluded)

Smoking Cessation Study Grant from NIH

SRI has received a grant from the National Institutes of Health/ National Institute on Drug Abuse to study how sleep may be affected by quit-smoking medications such as bupropion SR (also known as Zyban®). SRI is now actively seeking healthy smokers over age 18 to participate in the study. Two medications will be studied: bupropion SR and a nicotine patch. Volunteers, who will be paid up to \$700, will be randomly assigned to a combination of active or placebo (inactive) bupropion SR and active or placebo nicotine patch. They will spend up to five nights in the SRI sleep lab over a 21-day period around their quit smoking date.

This study does not involve “invasive” medical procedures. All medical information is treated as highly confidential as per HIPAA regulations. Free counseling and follow-up visits are also included.

Motivated volunteers may call SRI at 877-SRI-WELL (877-774-9355) for more information and to see if the program is right for them.



RECENT RETIREES AND OTHER DEPARTURES OF LONG-TIME STAFF

Years of Service

July 2006	- Phyllis Dorset	40.3
August 2006	- Sylvia H. Carlisle	17.5
	- Sharon A. Stickel	28.8
	- David Sands	23.1
	- Seajin Oh	13.4
September 2006	- Michael J. McDermott	15.0
October 2006	- Else A. Koelln	10.3
	- Glenn D. Cunningham	31.1
November 2006	- Ronald George Beaulac	17.7
	- Jon Gilbert Mc Carty	31.1

SRI International Receives Golden Acorn Award

On September 19, 2006 the Menlo Park Chamber of Commerce announced that it had selected SRI International for a 2006 Golden Acorn Award. The annual civic awards are given to recognize community service and business excellence in the city.

SRI was honored for “Innovation and Technology Advancement,” a new award category this year. In 2002, the Menlo Park Chamber of Commerce recognized SRI with a Golden Acorn Award in the category of business excellence.

With the majority of its 1,400 staff members located in Menlo Park, SRI is one of the city’s largest employers. Over the decades, more than 25,000 people have been employed by SRI. “As a long-standing member of the Menlo Park Chamber of Commerce, we are grateful for the recognition of SRI’s achievements, and will continue being a good neighbor, developing R&D innovations that contribute to society,” said Curtis R. Carlson, SRI president and CEO.

With more than 1,000 patents to its name and more than 50,000 projects, SRI has made contributions to a broad range of categories, including personal computing, communications and networks, pharmaceutical discovery and development, advanced materials, education, and national defense. Many of SRI’s innovations are a part of everyday life

Alumni and staff have also created prominent Menlo Park companies, such as Raychem (acquired by Tyco Electronics); Nuance (Nasdaq: NUAN), a leader in speech recognition technology; Artificial Muscle, bringing SRI’s revolutionary electroactive polymer technology to market; and Bridge Pharmaceuticals, focusing on high-quality drug development services in Asia.

SRI has also been recognized in 2006 (for the third consecutive year) as one of the Bay Area’s “Best Places to Work” by Bay Area business journals, and as a U.S. Environmental Protection Agency “Best Workplace for Commuters” for the fourth time.

SCIENCE CAFÉ COMING TO SRI

SRI will be working with an organization called Café Scientifique Silicon Valley, hosting a monthly science discussion forum. These free gatherings at SRI are valuable opportunities for SRI to be involved in a community forum where the lay public has access to leading scientists.

The monthly events will be held in the I-building from 6:00 pm – 7:30 pm. The inaugural event at SRI, on Tuesday, **January 9** will feature Stanford Professor Terry Root, whose research focuses on the impact of human-induced climate change on plants and animals. Her work suggests that protecting species on earth is not just a habitat protection issue, but one of limiting climate change.

Terry is a Senior Fellow in Stanford's Center for Environmental Science and Policy, Institute for International Studies.

For more information about Café Scientifique Silicon Valley, please visit their website: www.cafescipa.org or for more information about Prof. Root, visit her website: <http://terryroot.stanford.edu/>

NEWS FROM THE CREDIT UNION



SRI FEDERAL CREDIT UNION

Celebrating Our 50th Anniversary 1957-2007

SRI Federal Credit Union was established in 1957 for the benefit of the employees of SRI International.

In 50 years, our goal has not changed, and we remain dedicated to the prosperity of our members.

A World of Thanks

to the SRI Alumni who formed the strong base of SRI Federal Credit Union and have continued their support.

Call, visit or click SRI Federal Credit Union today!

www.srifcu.org
800-986-3669

AUTHOR CURT CARLSON



In *Innovation: The Five Disciplines for Creating What Customers Want* (Crown Publishing Group, 2006), SRI International President and CEO Curt Carlson describes how a disciplined approach to innovation—the successful creation and delivery of a new or improved product or service—will provide value for customers and organizations alike. With co-author William W. Wilmot of The Collaboration Institute, Dr. Carlson offers a systematic way to make innovation practical and sustainable for any enterprise.

WHAT ARE THEY DOING NOW?

New Minister/New Author

On Sept. 20, it was announced that **Ruth Miller** would become the new spiritual director of the Unity-by-the-Sea Church in Gleneden Beach, Oregon. She expects to be teaching classes, leading prayer and healing services, and speaking on second Sundays.

She has worked with New Thought and Unitarian churches from Grants Pass to Portland, while teaching classes on ministry and world religions at New West Seminary in Oregon City. She has several books in print, including "150 Years of Healing: the Lives and Works of America's Great New Thought Healers" and her latest, issued in November 2006, "Calm Healing: Methods for a New Era of Medicine".

Since she left SRI, Ruth worked as a futurist in Portland, where she also helped to found several nonprofit organizations and helped restore dilapidated homes for low-income families. After earning her doctorate at Portland State, she taught there and at San José State.

Ruth Miller was a futurist at SRI, serving as a project coordinator in SRI's Center for the Study of Social Policy from 1974 to 1976. (Her mother, Ellen Heckler, also worked at SRI:

Alumnus Lou Fried writes,

" . . . In 1999, I spent my last working year living in Edmonton, Alberta. Then at age 69 I retired, and we have been living 3 months a year in Jerusalem and the balance of the time in Palo Alto.

"We travel to other countries two or three times a year. We typically spend the Spring in Israel and travel from there to Europe, etc. This year we returned to California in July, about a week after the war [in Israel and Lebanon] started. (Not a special arrangement ... just when we had planned to return.)

"I changed careers and I'm now writing fiction—mostly short stories (very much like the proposals I used to write)."

From 1977, Lou Fried was a Management Systems Consultant in the Management and Economics Division, and later (briefly) in SRIC.



WELCOME! NEW ALUMNI MEMBERS

The SRI Alumni Association welcomes new members:

- Mary Canham
- Virginia Chandler
- Norman Chang
- Brock Hinzmann
- Jeffrey Moore
- Seajin Oh
- Dennis Silva
- Kinney Thiele
- Bill Wright

We look forward to your participation in the Alumni Association and hope to see you at our next group event.

IN MEMORIAM

Jane Goelet*

Jane Grey Goelet, 88, of Carmichael, CA passed away on Nov. 9, 2006. Born in Chicago, she was a 1941 graduate of the Illinois Institute of Technology.

Jane came to California and joined SRI in 1948 as an assistant to the Manager of the Los Angeles Office. She later relocated to Menlo Park in the Personnel Department (now HR).

She served in the Compensation, Benefits, and Employment groups, where she became known to generations of SRI employees. Jane also served as President of the Personnel Women of Northern California and as President of the National Personnel Women's Association. She was an HR Advisor when she retired in 1988.

For the past 14 years, Jane was a resident of Eskaton Village in Carmichael. She leaves her close friends of 70 years, Alda K. Massmann and family.

Fran Magee

After a long struggle, Fran Magee succumbed to breast cancer on September 13. She was about 67.

Fran studied Business at the City College of SF in 1960. After a brief secretarial stint in SRI's Information Management Center in 1979, Fran was hired permanently in 1981 as a Senior Secretary in the Management Division. She later became a Projects Coordinator.

At the end of 1995, her group became part of SRI Consulting. But in June of 1996, Fran was rehired by SRI International as an Administrative Analyst in the ICS Division. She retired in 2002.

Her son, Matthew survives her.

Stan Martin

Stanley Buel Martin, age 79, passed away October 26, 2006. He was born October 21, 1927, in Tulsa, OK, and grew up in Cincinnati, Colorado Springs, Orland and Oakland, graduating from Oakland High in 1945.

He was on active duty with the National Guard Fort Lewis and served in the US Army from 1945 to 1947, shipping out on a victory ship to Japan to serve in the occupation. He also spent time mapping occupied areas of the Pacific Theatre for the Engineering Battalion.

Stan graduated from San José State with a B.S. in chemistry and did graduate work at Stanford University.

Stan worked for the Naval Radiological Defense Lab, Defense Nuclear Agency, Department of Defense, and URS Research Company, before he joined SRI. Stan worked in SRI's Fire Research Department from 1969 until 1982, leaving as the Department Director. He left to form his own consulting company, Stan Martin & Associates in 1982, and he continued to consult until 2005.

His career as a Fire Research Chemist thus spanned more than 45 years. His expertise in thermal nuclear effects was recognized by his colleagues. He was influential in the development of instrumentation to measure thermal radiation at nuclear tests. Career highlights include writing the definitive summary report on fires from nuclear explosions, and starting experimental research of blast/fire interactions. His work was published in the Journal of Applied Physics, Journal of Fire Protection Engineering, and other industry publications. He belonged to many industry organizations including the American Chemical Society.

He was an active member of the Matthias Parish (R.C.) in Redwood City for over 30 years. He was a founding member of the Highlands Community Club in Redwood City, serving three terms as club president, and was an active board member until 2005.

Stan was predeceased by his first wife, Shirley Vasconcellos, who married Stan in 1951 and died in 1994. Stan's survivors include his second wife Muriel Martin, whom he married in 1995; daughters Deborah M. Allen of St. Helena, Rebekah M. Delucchi of San Jose, and Melinda M. Clar of Pedro Point, CA; son David B. Martin of Redwood City; and a granddaughter, Brittney Wirth.

David Murdock

David M. Murdock died July 21 at his home in Los Altos after a long illness. A 30-year+ veteran at SRI, he was 90.

Born in Boston in 1916, Dave studied mechanical drawing, machine design, and math at Franklin Union in 1936, and tool-making at the Wentworth Institute in 1939. He was hired by SRI in 1951 as an Electronics Technician in the Engineering Department.

At the time of his retirement in 1984, Dave was an Engineering Associate in the Advanced Technology Division's Bioengineering Research Lab. He was part of the team that developed the earliest ultrasound technology.

Dave was also an avid low-handicap golfer and a member of the SRI Golf Club for many years.

Survivors include Blanche, his wife of 67 years; son David of Felton, daughter Susan Varian of Portola Valley; two sisters, three granddaughters, and four great grandchildren.

Juanita O'Connell

Juanita O'Connell died suddenly of a hemorrhagic stroke on August 23. She was 78, and had been suffering from chronic aplastic anemia for the last 2.5 years.

Juanita Porter was a country girl, raised on a farm in Southwestern Missouri. She graduated from High School in Eldorado Springs, and attended colleges in Kansas City. She also obtained a BA in Sociology from San José State in 1980.

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Juanita worked at SRI as a TIA (Temporary Institute Assistance) Senior Technical Secretary from 1980 through 1992. She had worked for many groups, including long stretches with groups in G Building. She retired to Albuquerque in 1992.

She was a skilled quilter, and was active in her church. Reading, bible study and travel were among her favorite pastimes, and she was an active writer.

Survivors include Dan O'Connell, her husband of 57 years; six children; and numerous grandchildren. Her oldest daughter predeceased her.

Leon Sloss*

Leon Sloss, 80, who died Nov. 1 of throat cancer, had been a government official and a consultant on political-military affairs. A national security expert whose specialty was nuclear strategy, Leon was living in Chevy Chase, MD.

Leon was born in San Francisco and served in the Philippines and Japan during World War II. He was awarded the Purple Heart. He resumed his studies at Stanford University, where he received a bachelor's degree in International Relations in 1949; he earned a master's degree in public affairs from Princeton University's Woodrow Wilson School of Public Affairs in 1951.

After a brief stay at the Bureau of the Budget, Leon joined SRI in 1960 as an Industrial Economist in the Defense Evaluation Program (Economics Division). When he left SRI in 1965, Leon was the Assistant Director of the Strategic Studies Center. He moved to the State Department in 1966. From 1973 to 1975, he was deputy director of the Bureau of Political-Military Affairs in the State Department.

In 1975, as a fellow of the Center for Strategic and International Studies in Washington and the International Institute for Strategic Studies in London, he published papers on NATO mobilization strategy and led an international study group on theater nuclear forces. He was assistant director of the U.S. Arms Control and Disarmament Agency from 1976 to 1978.

In 1978-79 he was director of a major study on US nuclear strategy, *The Nuclear Targeting Policy Review*, that culminated in Presidential Directive 59, which inaugurated a major shift in U.S. targeting policy for nuclear weapons.

Just before he retired from government service in 1979, he served as US representative to the Sea Bed Arms Control Treaty Review Conference with the rank of Ambassador.

From 1979 to 1981 Leon was a Vice-President of SRI International and head of SRI's Washington office.

From 1981 until he died, he headed his own consulting business, Leon Sloss Associates. His clients included government agencies and private research organizations. Studies focused on national security policy, nuclear strategy, alliance relations and arms control.

Leon served as a docent at the Smithsonian Museum for 11 years and was Chairman of the Docent Council. He gave Highlights tours and tours of *The American Presidency* exhibition.

Survivors include his wife of 52 years, Virginia Green Sloss of Chevy Chase; daughters Deborah of Los Altos and Laura of Bethesda, MD; sons David of St. Louis and Michael of Washington; a brother and sister, and 11 grandchildren.

Tom Tasso*

Thomas Louis Tasso (Sr.) died on November 21 at his home in Menlo Park. He was 87.

Tom was born in 1919 in Hollywood, CA, and raised in San Francisco. He earned a BS in Economics from the University of San Francisco in 1941.

Tom's working career was in purchasing management, including participation in the start-up of the semiconductor industry in Silicon Valley in the late 1950s. He worked at Fairchild Semiconductor, Raytheon Corporation and the Rheem Corporation.

He served at SRI from 1964 until 1971 as Manager of Purchasing Services; he was also an officer of the SRI Credit Union.

Tom later moved to the San Francisco Housing Authority, then to Mills Memorial Hospital. He retired from the San Mateo Community College District as Director of General Services.

During his working career he served as President of the Northern California Purchasing Management Association, and as Director for National Affairs for the National Association of Purchasing Management.

For more than 50 years, Tom was a dedicated loyal member of the Nativity Catholic Church in Menlo Park. He was a charter member and a president of the Italian Catholic Federation.

After retiring, Tom remained active teaching purchasing management classes through UC Berkeley Extension. He was an instructor and assistant state coordinator for AARP's Mature Driving Program. He was a hunter, gardener, and avid collector, and he loved to travel.

He is survived by his wife of 60 years, Jane Tasso; son Tom Tasso, Jr., and daughter-in-law Tere Tasso.

Leo Young

Leo Young, 80, a retired director of research at the Defense Department, died Sept. 14 at Johns Hopkins Hospital in Baltimore. From 1960 to 1973, he was a fellow at SRI, where he worked on microwave filter design. He had lived in Baltimore since 1999.

Born in 1926 in Vienna, Leo escaped with his family to England in 1938 only hours ahead of a Gestapo raid.

He received an undergraduate degree in physics and math in 1946 and a master's degree in physics in 1949, both from

IN MEMORIAM (Concluded)

Cambridge University. He then won a full scholarship from Westinghouse Inc. to come to the United States and study at Johns Hopkins University, where he received a doctorate in electrical engineering in 1957. He became a U.S. citizen.

As a Westinghouse engineer from 1953 to 1960, he worked on military radar research and development, including microwave components and antennas.

From 1960 to 1973, he was a Fellow at SRI, where he worked on microwave filter design.

Dr. Young, an expert on microwave technology, held 20 patents, published numerous scholarly papers and was the author, co-author or editor of 14 books, including "Microwave Filters, Impedance-Matching Networks and Coupling Structures" (1964). Considered "the bible" by those in the field, the reference book has been translated into Russian and Japanese, still sells well decades after publication and is included in the Microwave Hall of Fame.

Dr. Young also taught at Stanford University and, during a 1970-71 sabbatical, at the Technion in Israel. In 1973 he left SRI to join the Electronics Division of the Naval Research Laboratory in Bethesda.

He moved to the Office of the Secretary of Defense as director for research in 1981. His principal assignment there was oversight of basic research, but he also played a key role in

implementing cooperative research between the government and academia.

Dr. Young was a Fellow and President of the Institute of Electrical and Electronics Engineers. Dr. Young received numerous awards, including the Woodrow Wilson Award for Distinguished Government Service from Johns Hopkins, and the Naval Research Laboratory Outstanding Performance Award.

He retired in 1994 but continued working as a consultant for several years. In retirement, he served on the board of Filtronic, a maker of microwave components, wrote his memoirs and enjoyed studying Hebrew.

His first wife, Fay, died in 1981. His second wife, Ruth Breslow-Young, died in 1996.

Survivors include his wife of seven years, Jo-Ellen Turner of Baltimore; three children from his first marriage—sons Philip of Chevy Chase, MD and Joe of Lafayette, CA; daughter Sarah Y. Krosner of Potomac, MD; three stepchildren from his second marriage; three stepchildren from his third marriage; a sister; and 18 grandchildren.

This article was adapted from a piece written by Joe Holley that appeared in the Washington Post on September 18, 2006

*Member of the SRI Alumni Association

Happy New Year
2007

