



# SRI Alumni Association

## December 2012 Newsletter

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### MESSAGE FROM CHAIRMAN TOM ANYOS



*Tom Anyos*

#### **The Holiday Season Is Upon Us ...and the Diet Season is not far away**

With U.S. Thanksgiving recently behind us and the holiday season ahead, our thoughts turn to family and friends. With this December newsletter, we send particularly warm greetings to those in the SRI community. I hope in this newsletter you find photos that evoke happy memories, good tidings about SRI, and stories that give you entertainment and food for thought.

September was Annual Reunion month, and about 100 alums and significant others met in Menlo Park to renew acquaintances, exchange stories, and enjoy plentiful hors d'oeuvres and their favorite libations. Again this year, Tom Furst, Senior Vice President and CFO, gave the group an update on the status of SRI. I think you'll be pleased with his optimism about the institute and be surprised at the staff growth and where it is happening. Steve Ciesinski, Vice President of Strategic Business Initiatives, described how he travels the world introducing the SRI innovation process. It was a great evening, as you'll see from the photos, and we thank all those who made it such a success.

Three current staff members are due congratulations: Ann Johnston, winner of SRI's 2012 Mimi Award, and Bob Wilson and Jeff Weiss, SRI's 2012 Fellows. Read inside about the accomplishments that led to their receiving these honors.

You might have seen the article in the October 30, 2012, New York Times (and reprinted in the San Francisco Chronicle) on Peter Neumann and his revolutionary computer security project. A summary of the article is presented in this newsletter.

Join Don Nielson in the History Corner to reminisce about the range of notables who have visited SRI—from the

Kingston Trio to Billy Graham to Nobel Laureates. Many of them in the past joined SRI staff for lunch at the Noon Forum and lectured, discussed, or played their music to the delight of all. Perhaps we should consider resurrecting this forum to highlight the Alumni Association's Hall of Fame members as starters. We'll let you know!

This issue also highlights some SRI projects—a study on STEM majors among college students with autism spectrum disorder, a collaboration on brain imaging R&D, and enhanced video quality for an unmanned aerial system. If you plan to travel in Northern California, you may find the iPad app from SRI spinoff Desti irresistible after reading about it here.

In the International Journal, Peter Miles describes an innovative youth orchestra designed to bring harmony to thought as well as music, and Peter Weissshuhn takes us on a rocky drive in Corfu.

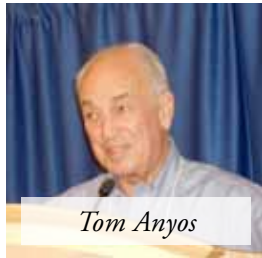
We have received more than 80 requests from alumni to receive an electronic link to the newsletter. Look for it in April 2013.

We wish you all a very merry holiday season and a very happy new year. See you in 2013!



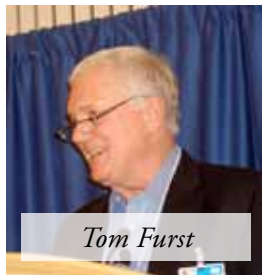
## Alumni Enjoy Annual Reunion in Menlo Park

About 100 SRI alumni convened in the International Building at SRI headquarters on September 27, 2012, for updates on each other's status and the status of the institute. Alumni Association Steering Committee Chair Tom Anyos greeted the alumni and introduced the speakers for the evening, Senior Vice President and Chief Financial Officer Tom Furst and Vice President of Strategic Business Initiatives Stephen Ciesinski.



## SRI Doing Well in Solving Important Problems

Tom Furst declared that these are great times for SRI. The institute is doing well, performing "work that has an impact on the planet." He acknowledged that winning federal government contract work is challenging because budget cutbacks mean that SRI and other research organizations are competing for less work. But Tom stated that continuing to attempt to solve important problems is a competitive advantage for SRI.



The SRI staff now numbers 2,500, compared with 1,200 ten years ago. Much of this growth is occurring outside Menlo Park. While headquarters is expected to grow by 16 to 17 percent in five years, growth in regional sites (such as Michigan, Princeton, Florida, the Shenandoah Valley, and Washington, D.C.) is expected to double. This could make employee recruitment easier, because Menlo Park is competing with such Silicon Valley powerhouses as Facebook and Google.

Expansion is not compromising collaboration, one of the keys to SRI's success. The institute has been investing in technology, such as high-definition teleconferencing, to enable collaboration from a distance.

Annual revenue has reached \$550 million, compared with \$200 million ten years ago. Proposals totaling \$2 billion have been submitted this year, and SRI has had some impressive wins. Commercialization is also contributing to SRI's financial health. Each year, 25 to 35 SRI patents are licensed to outside companies, and four to five new spinoffs are created with venture funding to capitalize on other patents. Current spinoffs are working on a medical device and a bedbug detector.

SRI has gone from an organization with little cash in the mid-1990s to one that received a Moody's Investors Service credit rating of A3 this year.

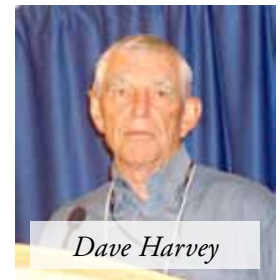
## SRI's Innovation Approach Spreading Worldwide

Steve Ciesinski described how the SRI innovation process is being introduced to the world through SRI workshops on innovation. The Five Disciplines of Innovation® process is used internally at SRI and is described in *Innovation: The Five Disciplines for Creating What Customers Want*, by SRI President and Chief Executive Officer Curt Carlson and William W. Wilmot, director of the Collaboration Institute. According to Steve, Wright-Patterson Air Force Base wants to institutionalize the approach throughout its organization, and representatives of Finland, Taiwan, Chile, and Brazil have taken the concepts back to their governments and industries.



## A Great Party by a Great Team

In addition to the speakers, the alumni attendees savored delicious food and drink and enjoyed each other's company, as well as the ever-popular raffle prizes donated by the Credit Union and Staff Activities Center. It was a great evening!



Thanks go to all who organized the event and contributed to its success:

- Dave Harvey, SRI Alumni Steering Committee Event Chairman
- Augustina Biosic, Steering and Event Committee member
- Joyce Berry, Steering Committee member and backbone of the Alumni Association
- Sally O'Hare and Carolyn Terrill, active members, for working at the front desk
- Paco Saenz, SRI Credit Union
- Sandy Hinzmann, Staff Activities Center
- Jane Cano, floral arranger extraordinaire
- Arturo Franco and SRI Conference Services
- SRI Corporate Security
- Don Berry, photographer extraordinaire.

# 2012 ALUMNI ANNUAL REUNION (Continued)



# 2012 ALUMNI ANNUAL REUNION (Concluded)



## Congratulations to SRI's 2012 Fellows, Bob Wilson and Jeff Weiss

The two SRI Fellows selected for 2012 are **Bob Wilson**, Director of the Chemical Science and Technology Laboratory in the Physical Sciences Division, and **Jeff Weiss**, Chief Scientist in the Communications, Radar, and Sensing Program in the Engineering and Research Division.



*Photo by Scott Bramwell, used courtesy of SRI.*

**Bob Wilson** joined SRI in 1982 as an inorganic chemist in the laboratory he now leads. Over the past 30 years, he has made important contributions in catalysis and chemical processes, particularly organometallic and inorganic chemistry and homogeneous and heterogeneous catalysis. His research has resulted in a wide range of new and important developments in chemical processes for polymerization, separations, and light hydrocarbon conversion. Important improvements also have been forthcoming for direct and indirect coal liquefaction, gasification technologies, water-gas-shift chemistry, and biofuels. His efforts have attracted considerable attention from the chemical industry. His recent focus has been on new technologies to support the transition to a sustainable economy through synthetic fuels, biofuels, and energy storage.



*Photo by Scott Bramwell, used courtesy of SRI.*

**Jeff Weiss** began his career as a particle physicist, and he made important contributions at several of the world's leading physics centers, including CERN, the European Organization for Nuclear Research; Argonne National Laboratory; and SLAC National Accelerator Laboratory. He joined SRI in 1985 and became part of the CP-1 program team, which performs leading-edge research to provide solutions to important national security problems. Jeff rose quickly to become the program's hands-on scientific director. His brilliant contributions to remote sensing and his technical leadership have been instrumental in the success of the program for nearly 30 years. The team represents many of SRI's disciplines, including engineering, physics, data analysis, algorithm development, and security.

SRI's Fellows Award is the highest honor for technical achievement given by the institute. Bob and Jeff were strongly endorsed by leading figures in their respective areas of research. They have been engaged in significant, sustained research over many years and have clearly demonstrated the intellectual and professional attributes associated with the Fellows program.

## Ann Johnston Wins SRI's 2012 Mimi Award



*Photo courtesy of SRI.*

**Ann Johnston**, Director of Business Operations in the Physical Sciences Division, has been selected to receive the 2012 Mimi Award. SRI's Mimi Award is the highest recognition of staff members who have fostered the personal and professional growth of their coworkers. The award is given annually to an SRI staff member who has inspired others to realize their goals and vision.

Several staff members nominated Ann for the award, noting that she is a great mentor to project and contract administrators—not just in her division, but also across SRI. Nominators noted that she dedicates her time to improving others' knowledge and capabilities, is fearless in tackling new challenges, has a drive to get things done (and fosters that drive in her coworkers), and never thinks twice about helping others. Perhaps one nominator said it best: "Mentoring is in Ann's DNA. For her, it means not only educating and supporting her juniors, but also her management and SRI as a whole. She just radiates it."

The Mimi Award, established in 1994, is named in memory of Marian (Mimi) S. Stearns, who was vice president of SRI's Health and Social Policy Division.

## Check Out Desti—A Travel Planner App

If you are in Northern California or enjoy traveling there, you may want to test the iPad app (application) from SRI spinoff Desti Inc.

Developed from SRI's advanced artificial intelligence technology, Desti is billed as "the smartest travel guide for your mobile device." Desti helps travelers plan and research vacations leveraging natural language search technology and

artificial intelligence in a user-friendly interface. Instead of sifting through hundreds of search results and reading countless travel reviews, users can plan where to stay, what to do, and where to dine with the swipe of a finger. Desti is initially designed for travel and experiences in Northern California.

With Desti, users discover and plan travel experiences specifically tailored to them. Users search by entering their actual travel plans rather than keywords. Desti understands the context of the information and returns suggestions based on the user's intentions. Over time, Desti learns each user's unique travel interests and preferences and adapts recommendations specifically to them.

Desti analyzes an ever-growing amount of travel data, photos, maps, and reviews through its proprietary knowledge base. Besides facts like price, location, and amenities, Desti's knowledge base unearths additional information relevant to travelers, such as if a hotel is noisy or whether a small bed and breakfast is good for a romantic weekend.

Desti is based on the Natural Language Processing (NLP) engine developed from SRI's Virtual Personal Assistant (VPA) technology. Like Siri, Desti was born from SRI's \$150 million CALO project, the largest artificial intelligence project of its kind in history. This technology allows for more natural searching that understands the intent of a user's search.

Desti is available for free download in the iTunes Store.

### **SRI's Contribution to Disaster Relief Efforts**

It may take years for the benefits of SRI's research to be evident, but the institute contributes to society in more immediate ways, too. After Hurricane Sandy, SRI made donations to the American Red Cross Disaster Relief Fund to help those in need and to the disaster relief efforts of the Humane Society of the United States to help rescue and care for animals and reunite them with their owners.

In 2011, SRI had joined the many organizations and individuals who helped Japan by contributing to the American Red Cross Japan Earthquake and Pacific Tsunami Fund. SRI also donated to the American Red Cross International Response Fund after the 2010 earthquake in Haiti.

### **Peter Neumann and Clean Slate Project Profiled in The New York Times**

**Peter Neumann**, a principal scientist in SRI's Information + Computing Sciences Division, was profiled in the October 30, 2012, issue of The New York Times for his leadership of a project to take a fresh look at computer and network security. The five-year project, the Clean Slate effort, is funded by DARPA (Defense Advanced Research Projects Agency) and is being conducted with Robert Watson, a computer security researcher at Cambridge University.

The explosive growth of computing and the Internet has produced such a complex system of hardware and software that identifying vulnerabilities to security compromises or attacks is nearly impossible. The article states that "computer and network systems were largely designed with security as an afterthought, if at all." As problems arise, the response has been to apply quick fixes. According to Peter, "... I get the impression that most of the folks who are responsible don't want to hear about complexity. They are interested in quick and dirty solutions." Further, Richard Clarke, former National Coordinator for Security, Infrastructure Protection, and Counter-terrorism for the United States, is quoted in the article as saying, "Fundamentally, all of the stuff we're doing to secure networks today is putting bandages on and putting our fingers in the dike, and the dike springs a leak somewhere else."

The objective of the Clean Slate project is to consider what we would do differently if the computer industry could be revamped—from silicon chips to programs to storage—so as to reduce vulnerability to intrusion and recover more quickly from security breaches. Peter and the team are already pursuing a design influenced by biology. Considering the number of computers connected worldwide via the Internet, exploitation of a single security vulnerability could have devastating repercussions. Biological systems have multiple immune systems, initial barriers as well as cells that not only eliminate intruders but also remember them for protection. A computer system could have similar properties with a "tagged architecture," requiring each piece of data to have an encryption code recognized as trusted. An item without the code would not be processed.

For details (especially about Peter's breakfast with Einstein), read the article at <http://www.nytimes.com/2012/10/30/science/rethinking-the-computer-at-80.html?pagewanted=all>

### **SRI Study Published on Science, Technology, Engineering, and Mathematics (STEM) Majors among College Students with an Autism Spectrum Disorder**

An SRI-led study revealed that young people with autism spectrum disorders (ASDs) are significantly more likely to choose STEM majors if they attend college than their peers in 10 other disability categories and youth in the general population.

SRI Senior Research Analyst Xin Wei and her colleagues analyzed data from the National Longitudinal Transition Study-2 (NLTS2), which had been conducted by SRI for the U.S. Department of Education. In 2000, SRI had sampled more than 11,000 high school students ages 13 through 16 who were receiving special education services. The data were collected in five 2-year intervals from 2001 to 2009. Xin and her team examined data from 2009, which included 660 students who received special education services in the autism category during their K–12 years; 84% were male. The survey also included students in 10 other special education disability categories, including hearing or visual impairment, learning disabilities, and traumatic brain injury. One of the categories of data was choice of major by individuals attending college. Majors classified as STEM were computer science, programming, information technologies, engineering, mathematics and statistics, science, biology, earth science, geology, physics, chemistry, and environmental science.

The study results indicated that STEM majors were more common among college students with ASDs. Of students with ASDs, 34% had declared STEM-related majors, compared with 20% or less of students in all other disability categories and 23% in the general population. The team also found that students with ASDs in STEM fields were more likely than the general population to choose science and computer science majors.

A concern about these findings is that the high proportion of STEM majors among college students with ASDs is mostly the result of young men's choices; only 3% of female college students with ASDs declared STEM majors. Further, despite the high incidence of STEM majors among college students, overall college enrollment rates among young adults with ASDs were lower than rates among most of the other disability categories and in the general population. Xin's group is continuing to analyze the NLTS2 data to help understand what best supports enrollment and completion of STEM degrees among college students with ASDs.

The results were published online on November 1, 2012, in the *Journal of Autism and Developmental Disorders*.

### **J. Randall Good Joins SRI as Program Development Director, DARPA and Intelligence**



**J. Randall Good**, Ph.D., has joined SRI as Program Development Director, DARPA and Intelligence. In this new role, he will expand SRI's relationship with key clients and develop programs that serve critical security and technical needs.

*Photo courtesy of SRI.*

Dr. Good has held management and staff positions in companies working in the government sector, and he has a broad technical background. Before joining SRI, he was director of Science & Technology Programs at ENSCO, Inc. He was responsible for integrating technical solutions into client programs, developing future technology visions for ENSCO, and capturing new business opportunities. Before that, Dr. Good was division director of Intelligence and Advanced Technology at Noblis Inc., where he focused on the development and implementation of concept-to-prototype R&D capabilities for the intelligence community. At the Institute for Defense Analyses, he directed research and studies to support technical, programmatic, and policy issues in defense, national security, and intelligence.

Dr. Good earned his Ph.D. at the Baylor College of Medicine and a B.S. at the University of North Carolina at Wilmington. He received additional training at the Sherman Kent School for Intelligence Analysis, the Army Institute for Professional Development, Government Affairs Institute at Georgetown University, Defense Systems Management College, and Shipley Associates programs.

Dr. Good is a Massachusetts Institute of Technology Seminar XXI Fellow, Class of 2004–05. He has served on numerous government committees and working groups, including Chair of the Infectious Disease Informatics Working Group, National Biodefense Assessment and Countermeasures Center Scientific Advisory Group, Department of Homeland Security (2003–2006), and U.S. Special Operations Command Future Concepts Working Group.

### SRI and Inscopix, Inc., Collaborating on Brain Imaging R&D

Many brain diseases, such as Alzheimer's, autism, and schizophrenia, are thought to involve dysfunction of neural circuitry. Advanced imaging capabilities could provide a more complete understanding of the neural circuitry underlying the functional activity of the brain.

Inscopix, Inc., and SRI's Center for Neuroscience and Metabolic Diseases are using the Inscopix nVista™ HD (high-definition) in vivo imaging system to gain a better understanding of normal brain function and the dysfunctions of neural circuitry that underlie neurological and neuropsychiatric disorders. With the nVista HD system, the neuroscientists can stream live high-definition videos of large-scale neural activity from the brain of an awake, naturally behaving mouse.

One research area of the SRI and Inscopix collaboration will be to identify brain circuits that go awry in disease conditions or in the presence of a gene defect. The hope is that the insights from this work will lead to new avenues for treatment.

### SRI International Sarnoff Enhances Video Quality from Unmanned Aerial System

SRI International Sarnoff has integrated its DL Micro™ digital data link and video processor into Aurora Flight Sciences' Skate® Small Unmanned Aerial System (SUAS). The result is maximized quality of real-time video from the SUAS.

Small unmanned aerial systems are useful for the military and law enforcement, particularly in urban or crowded environments. The onboard cameras deliver intelligence, surveillance, and reconnaissance for sudden and fleeting threats.

The Aurora Skate SUAS is compact and light and has an operational ceiling of 13,000 feet. Thus, the size, weight, and power consumption of payloads must be very small. The DL Micro system meets these requirements, weighing 48 grams and consuming 5.8 watts during transmission. In addition, its stabilization features have produced upgraded video smoothness, quality, and compression.

## HISTORY CORNER

### Some Notables Who Have Visited SRI

By Don Nielson

On December 4, 2012, SRI hosted the Churchill Club, a Silicon Valley forum for idea exchange. As usual, there were notable speakers, in this case Chris Anderson, CEO of 3D Robotics, in conversation with Carl Bass, CEO of Autodesk. This occasion prompted Alice Resnick, Vice President, Corporate + Marketing Communications, to ask the SRI Alumni Association whether over the years there had been other noteworthy speakers at SRI's podium.

The answer is a resounding yes, but you have to go back to SRI's earlier days to find most of them. Earle Jones and Elmer Reist compiled an impressive list in the Alumni Association Newsletter of August 1997. Believing it will be of interest to newer association members, we are reprinting their article in this issue, with a couple of my comments. The research for Alice also revealed a few prominent visitors to SRI not named in that article.

Almost from its inception SRI hosted notable speakers under two auspices, the Noon Forum (mentioned below) and the Institute Colloquium. The Institute Colloquium drew technical speakers from both the United States and Europe. For example, three speakers who would later become Nobel Laureates came to the colloquium: Kenneth Arrow in 1958, Joshua Lederberg in 1959, and Arthur Kornberg in 1963, all from Stanford. Others included Stanford physicists Sidney Drell and Wolfgang Panofsky, who would be instrumental in creating the Stanford Linear Accelerator, and David Middleton, widely known author in communications theory.

Others were David Packard (SRI board member), Norman Thomas (1957, six-time candidate for U.S. president from the Socialist Party), Donald Quarles (1953, assistant secretary of defense), and Mortimer Adler (1957, philosopher and educator). SRI gave an award to Vannevar Bush for his enormous contributions to technology and to our government's role in it, and for his writings, which would inspire Doug Engelbart's work in creating the close personal



interface that computers now have with humans. Finally, although not as formal speakers, SRI has also hosted the likes of William Perry (secretary of defense) and actor Alan Alda, who on several occasions came to SRI to cover our work in such areas as artificial intelligence and telepresence surgery.

Now to the 1997 article.

### The Noon Forum

By Earle Jones and Elmer Reist

What do these people—Billy Graham, Danny Kaye, and Louis Armstrong—have in common? Or how about Harry Belafonte, Abigail van Buren (Dear Abby), and C. Northcote Parkinson (“Parkinson’s Law”)?

If you were at SRI from about mid-1956 through 1960, you might know that all of the above, and many more, such as The Kingston Trio and the San Francisco Ballet Company, were guests at the SRI Noon Forum, where they entertained the staff with stories, music, and good advice over lunch in the SRI Cafeteria. Other guests included Senator William Knowland, Admiral Chester Nimitz, Rusty Draper (San Francisco guitar player), sculptor Benny Bufano, and the comedian “Professor” Irwin Corey (the World’s Foremost Authority), who brought down the house with his routine—complete with his Brooklyn accent, of course: “At the Institute for Advanced Study—(pause)—where I used to woik!” “Professor” Corey had trouble winding up his act at one o’clock and had to be gently reminded that we were working people who had to get back on the job. Harry Belafonte had the same problem.

The Noon Forum was the brainchild of Rogers Cannell, who served as director of Civil Defense Research. He would scan the local papers for celebrities who were due to visit the Bay Area, then invite them for lunch with our staff.

Generally, several hundred staff members would join the gathering. If memory serves well, the cost for lunch was \$1.50. The budget for a gift for the guest of honor was \$10,

which was sufficient in those days for a pair of cuff links or a simple pin or bracelet.

Some of the meetings were so popular that they were moved outside, using picnic tables. Perhaps the most popular of them featured Billy Graham in the summer of 1958. We were impressed by his sincerity and his acute understanding of his audience.

Surely the most downright fun and enjoyment came with the visit of Louis Armstrong. He sent word ahead that, if there were any musicians among our staff, they should bring their instruments and join in a little jam session. Tom O’Neill (piano), Charlie Cook (tuba), and about six others [DN: One was Dick King, also on the trumpet.] joined with Louis Armstrong and had a great time ad libbing a few old tunes. Armstrong was a gracious and entertaining gentleman.

Hoot Gibson recalls that when Danny Kaye joined us, he had not been told that he was to give a speech. Hoot’s friendly persuasion and a gentle push toward the microphone did the trick, and Danny regaled us with some stories from his past movies.

We invited Forty-Niner coach Pappy Waldorf, but he was not available. He sent Bob Fouts in his place. Bob was the “Voice of the 49ers” who broadcast all their games. He is the father of Chargers quarterback Dan Fouts, current Channel 5 newsmen.

C. Northcote Parkinson was a delightful Englishman in his 70s. He brought along his equally charming wife and talked to us about principles of business and life.

Some invitees said “no” for one reason or another. Robert Frost couldn’t make it. Likewise, the very irreverent Don Sherwood (remember the morning man on KSFO who did the skit “The Life and Loves of Linda Lovely, Girl Intern” and “Just Plain Rosita” starring Luz Morales and Lance Boyle?). [DN: Soviet Premier Nikita Khrushchev was also scheduled to visit SRI during his famous trip when he was not allowed to go to Disneyland in September 1959. For unknown reasons, he canceled his SRI visit.]

## The Power of Music

By Peter Miles

The London Olympics 2012 gave the people of Britain an opportunity to be happy, enthusiastic, and proud. For me, the most wonderful prelude to the Olympics was the Royal Albert Hall Promenade Concerts



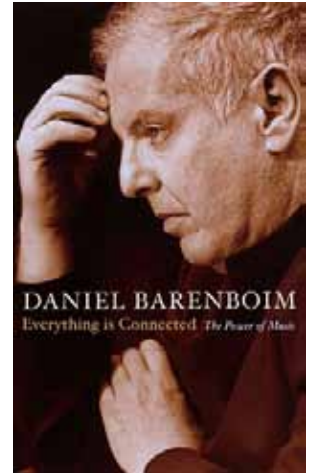
with Daniel Barenboim and his West-Eastern Divan Orchestra's presentation of the nine Beethoven symphonies. As a just reward, Barenboim was given the honour of being one of the eight bearers of the Olympic flag into the stadium at the inauguration ceremony, after the Queen had "performed her parachute jump" and officially declared the Games open.



In 1999, Barenboim and his friend the late Edward Said, eminent Palestinian literary scholar, formed a workshop for young musicians from Israel, Palestine, and various Arab countries of the Middle East. They named the workshop and orchestra after Johann Wolfgang von Goethe's collection of poems "West-Eastern Divan." The orchestra was founded in

Weimar, Germany, but found a home in Seville, Spain, in 2002. In 2005, West-Eastern Divan arranged a performance in Ramallah (West Bank), and the Spanish government offered all the Muslim musicians diplomatic passports for the duration of the trip. In 2006, West-Eastern Divan performed at the UN General Assembly Hall in New York as a farewell to Kofi Annan.

In his book *Everything is Connected*, Barenboim wrote, "In music two voices are in dialogue simultaneously, each one expressing itself to the fullest, whilst at the same time listening to the other. Learning not only about music, but from music" and "The destinies of our two peoples in Israel, Palestinians and Jews, are intrinsically linked and therefore the welfare, dignity and happiness of one must inevitably be that of the other."



Barenboim tries to show that when Palestinians come together with Israelis to make music, the primary element that is lacking in politics today, namely equality, is already achieved. Both sides will have to speak sensitively and listen painfully to make progress in the current dispute. If Israel remains closed to the intellectual and cultural influence of its neighbours, it will remain a foreign body in the Middle East, with disastrous consequences for the longevity of the state. Israel has a right to exist and needs security, and the Palestinian people have a right to their sovereignty and need equality and dignity.

The West-Eastern Divan musicians are pioneers in a new way of thinking for the Middle East. In 2007, Daniel Barenboim was designated a UN Messenger of Peace.

Ed. note: The West-Eastern Divan Orchestra will perform in New York's Carnegie Hall in January 2013.

### Taxi Tales

*What could be better during a dreary December than to escape to Corfu? Peter Weissshuhn tells a sunny Taxi Tale about a Good Samaritan on this island.*

### Corfu

By Peter Weissshuhn

Vacationing with my family on this beautiful island, I had rented a car. One day we had driven from our hotel across the mountains to another beach. But the winding road had upset the girls' stomachs, so the following day they just wanted to lie on our hotel beach. Being an explorer, I wanted to see other parts of the island. So for company I invited along Anne and Dick, a carless couple we had befriended.

We had driven only a few kilometers on a paved road when a tyre went flat. We changed it but thought it prudent to pass by the rental garage and get a spare, as some roads might be unpaved. That took us 30 minutes out of our way. Before long another tyre went down. This time we decided not to return for a spare, as three flat tyres in one day seemed impossible. Later in the day we would learn otherwise.

We had a wonderful time on a beach on the west coast, and the luscious figs we bought from an itinerant vendor were the best I have ever eaten. Sun drenched and nicely fatigued, we were on our way home when the third tyre gave up. Consulting the map, we found that we were about halfway between two villages 5 km apart. There was no passing traffic on this stretch of road, and dinnertime was approaching. We decided to walk to one of the villages in the hope of finding

a garage or taxi. Just then one of those three-wheeled pick-up trucks popular with Greek shopkeepers and artisans came along. I flagged it down and got a lift, while my companions stayed with the car.

Communication with the driver, a builder returning from his work covered in dust, was in German. He had been a guest worker in Germany, which had enabled him to set up in business back home. He would not just drop me in the village but would find a taxi. It turned out that there was only one taxi in that village but it had left and was unlikely to return any time soon. So our predicament had worsened; I faced a long trek back to tell my friends the bad news. But the builder would have none of that. He would take me back to the car and then drive all of us to our hotel. As the taxi driver was away, his truck would be our taxi. This in spite of the fact that our hotel was a good 15 km from this village and he had been heading in the opposite direction when we stopped him.

When I protested (feebly, I admit) that this was too much to ask of him, he refused to leave us on our own in the deepening dusk. So Anne rode in the cab while Dick and I stood on the platform in the back, holding on to the cab and ducking to avoid the branches of the olive trees overhanging the road. We wondered how much our driver might want for his services and agreed to reward him handsomely.

Back at the hotel our offer of money was refused so resolutely that to insist would clearly have been an insult. What wonderful hospitality, offered as if it were the most natural thing. We wished our driver well in his business and toasted his generosity and our luck at the hotel bar.



## Newsletter to Be Accessible Electronically in April

On the membership renewal form sent with the August 2012 newsletter, alumni could choose to receive this newsletter via an e-mail link for download rather than as a paper copy. About a third of the alumni who responded opted to forgo the paper version. Beginning in April 2013, we will be sending the newsletter via an e-mail link to those who requested it. We will continue to use the postal service for those who prefer the paper copy.

Besides contributing to conservation of paper and monetary saving from postage, those who receive the electronic version will see the newsletter in full color, as it appears on the alumni section of the SRI website.

You may request to receive the e-mail version at any time by contacting the Alumni Association Steering Committee: [steering-committee-alumni@sri.com](mailto:steering-committee-alumni@sri.com).

## Spring Fling Being Planned

Fear not, there will be a Spring Fling in 2013. Planning is under way, and the date and location will be communicated to you well in advance.

## WELCOME

The SRI Alumni Association welcomes new members:

**Helen Liu**  
**Steven Smith**

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

## DIRECTORY ADDENDUM

The enclosed directory addendum (covering the period August 1 through December 7, 2012) contains new members and corrections. Please add it to your 2012 directory.



*Peace & Joy*

*Wishing you a*  
**JOYOUS HOLIDAY AND PROSPEROUS NEW YEAR**

### **Holiday Schedule**

SRI Lobby will be closed  
Saturday, December 22, 2012,  
through Tuesday, January 1, 2013

Throughout the SRI Campus Holiday Period,  
the credit union staff is here to assist you.

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### Dorothy “Dot” Allen



Dot Allen, a former SRI staff member, died peacefully of liver cancer at her home in Los Altos Hills on September 20, 2012, at age 68.

Born in Palo Alto, Dot lived and studied in Germany, Switzerland, and France during her childhood. She graduated from Palo Alto High School in 1961 and attended Stanford, where she majored in Hispanic American Studies and French, graduating magna cum laude and being elected to Phi Beta Kappa. After receiving her undergraduate degree, she continued in graduate school at Stanford, receiving a master's degree from the Stanford School of Education.

Following her marriage to Robert Allen in 1966, Dot taught high school in Southern California and Milpitas. She also lived in Huntsville, Alabama, during Bob's military service, as well as in Zurich, Switzerland, where Bob worked for General Electric and Dot taught at Berlitz Language School. On returning to California, she began a 35-year career in market research and management consulting, joining SRI in 1979 as a consultant in the Computer Industry Department. After leaving SRI in 1983, she worked for a number of Silicon Valley companies, including Technology Decisions, Versatec, Sun Microsystems, and Institute for the Future. In her final position, she served as Vice President of Consulting at International Data Corporation.

While working and raising two children, she earned an MBA in Marketing at Golden Gate University, where she was nominated as Outstanding Student in Marketing and was offered an adjunct professorship. She taught part-time at Golden Gate from 1987 through 1998 and was honored several terms as Outstanding Marketing Professor.

Dot had many interests and pursued them tirelessly. Her passion for education led her to involvement in the Los Altos Educational Foundation and classroom volunteer work. Also of special importance in her life was her love of travel. She and Bob visited many countries in Europe, Asia, and the Americas and always brought back unique, memorable gifts for their friends. Until the very last, when

her illness precluded further travel, she was planning their next trip, which would have been to her beloved France.

Dot is survived by her husband, Bob, and their children, Jennifer and Joshua.

### Thomas Camph



Thomas Camph, a former SRI staff member, died of esophageal cancer on June 12, 2012, at age 67.

After receiving a mechanical engineering degree from the University of Michigan in 1968, Tom worked for General Motors Chevrolet Division for several years.

In his early 30s, he took a sabbatical and traveled around the United States and Mexico in a Chevy van, outfitted with a refrigerator and bed. He ended up in California, where he met his future wife, Barbara, in the late 1970s.

Tom worked at a number of companies in the Bay Area in mechanical design, engineering, and R&D project management before coming to SRI in February 1991. At SRI, he took over leadership/management of the Engineering Group Model Shop. During his career at SRI, he stabilized the shop's financial performance, resolved several sticky staff issues, restructured the shop to include metal stores, and greatly improved the shop's efficiency. He was very well regarded by both his management and staff during his years at SRI.

In 1995, the adventure bug struck again, and Tom and Barbara (who also had worked at SRI in Contract Administration) left the corporate life to move to Portugal to try something different. They supported themselves by Tom's furniture making and Barbara's stained glass (both new businesses for them). They lived in Portugal for 12 years, until the euro-dollar exchange rate became intolerable. After returning to California to spend time with family, they outfitted another van and drove across the United States and through Central America on the Pan-American Highway for a four-month trip of a lifetime. They ended up in Panama, living for five years in the crater of an extinct volcano.

During the week of July 4th, friends from all over the country gathered at the family farm in Gregory, Michigan, to remember Tom. His ashes were left at all his favorite places in Detroit and Ann Arbor.

### Donald Roy Cone\*



Don Cone, a former Senior Research Engineer at SRI, died on June 23, 2012, at age 90.

Born and raised in Berkeley, California, Don attended the University of California there, graduating in 1943 with an electrical engineering degree and a commission in the U.S. Army.

After serving in London and Germany, Don came home to Berkeley in 1946 and started a job with Lawrence Berkeley Lab. He earned a master's degree in electrical engineering from UC Berkeley while he worked on early color TV technology with UC's Chromatic Television Laboratories. A job change brought about a move to Palo Alto in 1959, and he began a nearly 24-year career with SRI in 1961. His professional accomplishments included a number of technical publications and patents.

After retiring to Los Osos, near Morro Bay, in 1985, Don continued his lifelong involvement with the Boy Scouts and was active in Kiwanis, boating and community service with the Baywood Navy, aquatics at Cuesta College, and functions of Morro Bay Presbyterian Church. He shared his great sense of humor and fun with children of all ages and had a well-earned reputation as "the world's oldest kid."

Don is survived by his wife of almost 70 years, Doris; their daughter, Marjie; a daughter-in-law, Leslie; six grandchildren; a great-grandchild; his brothers, John and David; and numerous nephews and nieces.

### Sharon Doyle



Sharon Claire Doyle, a lifelong resident of Palo Alto, died unexpectedly after suffering an aneurism on August 8, 2012, at age 74.

Sharon was born in Palo Alto and attended Palo Alto High School, class of 1955. She graduated from Stanford University in 1959, majoring in sociology. She worked at SRI as a secretary in the Systems Analysis Division from 1961 to 1969. Other than a few years working for SRI in Paris, Sharon spent her entire life in Palo Alto. She worked for many years as Assistant to the Dean of the Law School at Stanford University until her retirement in 1992.

An avid environmentalist, Sharon donated generously to a number of environmental and progressive causes. She was a 50-year member of the Humane Society.

Sharon enjoyed puzzles, the more difficult the better. She loved to sit in a comfortable chair, eating Ben & Jerry's Coffee Heath Bar Crunch, while solving crosswords, sudoku, and other challenging mind games. She also enjoyed movies of all kinds, from the classics to the most modern releases. Her grandnephews were pleased and amazed to hear that her favorite TV show was "The Simpsons."

Sharon is survived by her sister-in-law, Susan; her nephews, Ken and David; her niece-in-law, Marilyn; her grandnephews, Brian and Alex; and her grandniece, Jasmine.

### Noboru Endow

Noboru Endow, a former chemist at SRI, died in Santa Clara on May 13, 2012, at age 89.

A native of Portland, Oregon, and a 60-year resident of Santa Clara, Noboru was a World War II veteran and served as a translator for the U.S. General Headquarters during the occupation of Japan. He was a Physical Chemist at SRI from 1954 to 1972, and his career as a professional chemist also included positions with Hanford Nuclear, GE, and Stanford University.

### George Thomas “Tommy” Goss, Sr.

Tommy Goss, a former staff member at SRI Sarnoff, died in Trenton, New Jersey, on July 28, 2012, at age 75.

Born in Trenton, Tommy was a lifelong resident and educated in the Trenton public schools. He was employed at the Trenton Psychiatric Hospital, Acme-Hamilton, and Shell Chemical Corporation. In 2005, he retired from the Sarnoff Research Center in Princeton as a security guard.

He loved the sport of boxing and was part owner of Goss & Goss Boxing Club. Drawing, painting, and fishing were his favorite hobbies.

Tommy is survived by a daughter, Stephanie Michelle; two grandsons, Kamon Jabbar and Jarrett Raheem; an adopted daughter, Mary Leary; three brothers, Barry, Sammy, and Jan Terry; and a host of nieces, nephews, cousins, and friends.

### Robert Douglas “Doug” Hagan, Sr.



Doug Hagan, a former SRI staff member, died at his home in Springfield, Illinois, on April 1, 2012, at age 77.

After graduating from high school in Independence, Missouri, Doug enlisted in the Marine Corps. During a long and distinguished military career, he advanced from Private First Class in 1954 to Colonel when he retired from the Corps in 1979. During this period, he also earned a bachelor's degree, as well as master's and doctoral degrees in education.

Doug joined SRI in 1979 as a Senior Research Engineer in the Radio Physics Lab, which was working on developing a computer network on which different types of computers from different vendors could communicate with each other. He was assigned to a Fort Bragg, North Carolina, field site, where radio packet switching, the technology that was the foundation of the ARPANET, was being investigated and evaluated. During his years with SRI, Doug contributed immensely to the creation of dozens of technical reports describing the evolving packet radio network studies and

experiments at Fort Bragg and other field sites scattered across the country. He also made significant contributions to the generation of multiple proposals for further research into this technology, proposals that allowed SRI to continue its role as a primary contractor for the packet radio development process. Doug retired from SRI in 1996 and eventually settled in Springfield, Illinois, with his wife of 16 years, Alicena Dee Ader Hagan.

Doug is survived by his wife, Dee; two children, Toni and Skip; six grandchildren; three step-children, Cecilia, Suzanne, and Bill; two step-grandchildren; and a sister, Jacque.

### Betty Hann



Betty Hann, a 66-year resident of Palo Alto, died on April 14, 2012, in Folsom, California, at age 86.

Born in Holly, Colorado, Betty was the youngest of nine children. The family moved to Brownsville, Oregon, when she was six months old. She attended Brownsville High School and Oregon State University before moving to Palo Alto in 1944.

Betty met her husband, Roy Hann, while working at the Indian Drive-In in Palo Alto. After marrying in 1946, they bought a home in Palo Alto, where they raised two children, Dianne and Arthur. Once the children were grown, Betty worked in food service in the SRI dining room.

After retiring, Betty was active with a hiking group of seniors in the Palo Alto area. She was an amazing seamstress, making beautiful gowns for her daughter and granddaughter. She loved working in the garden and was able to grow the most beautiful hydrangeas in her front yard. In 2010, Betty moved from Palo Alto to Folsom, where she resided until her death.

Betty is survived by her daughter, Dianne; her son, Arthur; her grandson, Jeffrey; her granddaughter, Suzanne; four great-grandchildren, April, Kenny, Ainsley, and Rogan; her sister, Margaret; and many nieces and nephews.



### A. Gerlof “Jerry” Homan\*



Jerry Homan, a former SRI staff member, died in Santa Barbara, California, on May 1, 2012, at age 86.

Jerry was born in Holland and grew up on a dairy farm in the town of Appingedam. As a young man, he became very interested in the democratic principles of the United States and in the history of the Founding Fathers of our country, and he emigrated to the United States in 1948. He initially settled in Kansas and studied at Bethel College and Kansas State University. He then moved to California and obtained an M.A. in Economics from Stanford University and a Ph.D. in Economics from the University of Oregon. Jerry went on to live most of his adult life in the San Francisco Bay Area, working in economic and financial research at SRI, in corporate America (Bechtel and Bank of America), and in education. For 20 years, he taught International Finance at Golden Gate University in San Francisco, ultimately becoming Dean of the university's business school.

Jerry is survived by his wife of 17 years, Alita; three sons, Walt, Ron, and Ray; six grandchildren, Christine, Jeff, Danielle, Brandon, Kaitlin, and Eric; and two brothers, Klaas and Gerlof.

### Allan MacMillan Hudson



Allan Hudson, a former SRI engineering staff member, died at his home in Carmel, California, on July 28, 2012, at age 93.

Born in Monterey, California, Allan grew up in the nearby Carmel area, attending the Bay School at Monastery Beach. After graduating from high school in San Pedro, California, he attended the University of California at Berkeley from 1937 to 1939, followed by enrollment in the U.S. Naval Academy in Annapolis, Maryland, in June 1939. Entering active duty in 1942, Allan saw combat in the South Pacific aboard the USS *New Orleans*.

Following his active naval service, Allan and his family returned to the Monterey Peninsula, where he worked as an engineer for Firestone Tire and at Dalmo Victor Laboratories, and then was a founding partner of Del Monte Technical Associates in 1960. The family moved from Carmel to Mountain View after Allan took an engineering position with SRI in 1965. Allan left SRI in 1970 to start his own company, Hudson Controls, in Mountain View, where he designed and built numerous state-of-the-art control systems for a variety of industrial applications. After his wife, Mary, suffered a stroke in 1988, they returned to Carmel, where Allan cared for Mary until her death in 2000.

Allan was an artist at heart, which made him a brilliantly creative engineer. There was nothing Allan could not build, fix, or improve. Among other interests, Allan made jewelry, learned stained glass art, built model railroads, learned to cook, played the piano, and loved and cared for his many animal companions.

Allan is survived by seven children, Michael, Peggy, Rhaea (Elizabeth), Sarah, Martha, Peter, and Patrick; twelve grandchildren; a daughter-in-law, Cari; many nieces and nephews; one brother, John; and his companion in his final 10 years, Joanne McFann, and her four sons, Michael, David, Gregory, and John, and their families.

### Donald Scheuch\*



Donald Scheuch, who rose from engineering recruit to the upper echelons of management at SRI, died in Portola Valley on August 29, 2012, at age 93.

Don received a B.S. in Electrical Engineering from the University of California at Berkeley in 1943 and a Ph.D. in Electrical Engineering from Stanford University in 1949. Between those degrees, Don worked on radar systems countermeasures at Harvard University's Radio Research Laboratory, and in Southeast Asia and the Marianas Islands as a civilian technical observer for the U.S. Army Air Corps.

In 1949, Don joined SRI in Menlo Park and organized the institute's first Systems Analysis Department. He became Vice President of the Electronics and Radio Sciences Division, which was nationally recognized for pioneering contributions to programs for national air defense and

ballistic missile defense. His technical career at SRI included being appointed Director of the Engineering Group and Senior Vice President of SRI Engineering. In 1969, he advanced to be Vice President and Chairman of the Office of Research Operations, and in 1977 he became Senior Vice President of SRI and a member of the board of directors. He retired from SRI in 1980.

In retirement, he served on the board at Continental Capital Corp., as a trustee for United Way of the Bay Area, and on the advisory council at Stanford's School of Engineering. His interests apart from work included camping in the mountains, fishing, tennis, golf, ping-pong, and ham radio.

Don is survived by his wife of 61 years, Polly; two sons, Steve and Jeff; a daughter, Judy; and nine grandchildren.

### George Sliter



George Sliter, a former SRI staff member, died of hypothermia and exposure after falling into a ravine while hiking in the hills in Aptos, California. He went missing on November 4 and was found on November 6, 2012. He was 74 years old.

Born and raised in New York City, George graduated from Manhattan College with a degree in civil engineering and went on to complete his Ph.D. in Theoretical and Applied Mechanics at the University of Illinois at Urbana-Champaign. He joined SRI in Menlo Park in 1966 as a mechanical engineer in the Physical Sciences Division, where he worked until 1974, when he took a position at the Electric Power Research Institute (EPRI).

After retiring in 2005, George pursued a variety of interests, including mathematics tutoring for underserved youth in Redwood City. His passion for learning through play gave students locally and afar a new perspective on math and education.

George is survived by his wife, Kathleen; five sons, Ray, Troy, Neil, George Christian, and Alden; a daughter, Lauren; and three grandchildren, Quinn, Violet, and Zoey.

### Philip Sorensen\*



Philip Sorensen, a former research psychologist at SRI, died of metastatic prostate cancer in Portola Valley on July 22, 2012, at age 87.

Born in Bellingham, Washington, Phil grew up in Vancouver, Washington. Throughout high school, he was an active Boy Scout and summer camp counselor, a member of the swim team, newspaper editor, and student body officer.

Phil enlisted in Naval Officer Training in 1942, serving as a navigator aboard the USS *Adair* in the Pacific until 1946 and as an Intelligence Officer in the Naval Reserve until 1985, reaching the rank of Commander. After leaving active duty, he attended Washington State University, where he earned a B.A. in Education and Social Science (awarded Phi Beta Kappa) and an M.A. in Educational Psychology. After working for several years as a teacher and counselor in the Portland, Oregon, public schools and serving as Assistant Dean of Students at Kansas State College, he enrolled at Stanford University in 1954 to complete his Ph.D. in Psychology.

Phil accepted a position at SRI in 1956. For the next 27 years, he worked as a Senior Research Psychologist and Director of the Education Research Department. He commuted to SRI from his Palo Alto home on his 3-speed bike. His work at SRI took him on educational research and consulting assignments across the country and around the world, including Nigeria and Micronesia. After he left SRI, he continued working as an independent consultant from 1983 to 1990, traveling as far away as Saudi Arabia.

Phil was a man who loved and lived his life. He loved his wife, B.J. (Betty Jo), and dancing with her, mountain climbing, golf, his daughters and their husbands, making puns, his grandchildren, analyzing and solving problems, his sisters and their families, jazz of all kinds, his mother-in-law and her family, a generous pour of bourbon, his lifelong friends, and voting as a Democrat. He took great joy in gardening, and his expert touch with the pruning shears lingers in the gardens of homes he and the family occupied and in

“Philoli Arboretum” at The Sequoias retirement community in Portola Valley.

Phil is survived by B.J.; their three daughters, Chris, Carolyn, and Cathy; three grandsons, Erik, Kevin, and Corey; and a granddaughter, Jordan.

### Howard Mason Vollmer\*



Howard Vollmer, a former SRI sociologist, died of heart failure in Morro Bay, California, on September 16, 2011, at age 83.

Born in Los Angeles, Howard grew up and attended public schools in Glendale, California. He earned his B.A. and M.A. degrees from Stanford University and received a Ph.D. in Sociology and Social Institutions from the University of California at Berkeley in 1959. His published writings focused on social changes in the mid-20th century American workplace, including employee rights and professionalism in occupations.

Howard joined SRI in 1959 and became a manager in charge of management development and organization development projects. Clients included federal and state government agencies, American Indian reservations, and several industrial firms. He left SRI in 1971 to become Chairman of the Department of Sociology at the American University in Washington, D.C. Two years later, he returned to the Bay Area and became Corporate Manager of Management Development Programs at Bechtel Corporation. Then, after several years of independent consulting work on organizational design, he was Director of Extended (Continuing) Education at California Polytechnic State University in San Luis Obispo, California, for 11 years.

Howard is survived by his wife of over 45 years, Angeline; five children, Daniel, Tina, Susan, Mason, and Alexandra; and three grandchildren, Aleksandrs, Oliver, and Cainan.

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\*Member of the SRI Alumni Association

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