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AUGUST 2009 NEWSLETTER



MESSAGE FROM PRESIDENT BOYD FAIR



Boyd Fair

Well, time keeps flitting away, and another edition of the SRI Alumni Newsletter has arrived! Our editors have been busy putting together another fine document for your enjoyment. I am sure you will find this issue as interesting as the previous ones, and, as always, we solicit your ideas, contributions, and questions for future newsletters.

Perhaps some of you don't know that this year is the 40th anniversary of the opening of SRI's International Building. The story of how this building came to be is unique and is summarized in this issue. Many of you remember the "good old days" when the staff members could rent a liquor locker to store their favorite beverages, and then they and their colleagues or clients could sit out on the patio before lunch and enjoy a nice relaxing drink before going into the dining room for a lovely lunch. Then the ABC stepped in and that was the end of that—another perk bites the dust!

Also contained in this issue are an article and some pictures of our Spring Fling at the Computer History Museum. This was a return visit to the museum for the alumni that included a luncheon talk by Judy Estrin about her views on the future of creative research in Silicon Valley and the United States. After the talk, we saw a live demonstration of a Babbage Difference Engine, the first automatic computing engine, designed in 1849 but not built until this decade. The demonstration was both fascinating and thought provoking.

David Gibby has contributed an article about a trip he, other UK alumni, and Fred Weil took to the London Science Museum. Peter Miles, also of our London office, wrote an article about his attendance at the 100th birthday of Sir Nicholas Winton, who helped many Jewish children flee Czechoslovakia on the eve of World War II. Peter was one of those children, so I think you will find his article of great interest.

As usual, we have included a few articles on current research that show that SRI is still a world leader in innovation. In addition, a summary of Curt Carlson's recent all-hands meeting shows that SRI continues to be a viable, financially stable organization that will continue to help shape the future for the next generation.

Work is under way in planning for the 2009 Annual Reunion, and a sign-up sheet is enclosed with this Newsletter. Put the date on your calendar and mail your reservation in right away before you forget. Tom Anyos is organizing another fine party that I am sure you will all enjoy, so block out the afternoon and evening of October 8 and come join your SRI friends at the 40-year-old I Building. (See the reunion details on the sign-up sheet.)

I hope to see many of you who still live in the area on October 8. For those of you who cannot attend, drop the Alumni Association a line and let us know where you are and what you are up to so we might share it with the rest of your SRI colleagues and friends in future publications.

— Boyd

2009 SPRING FLING

Spring Fling Attendees Enjoy a Talk and Exploration at the Computer History Museum

About 35 people attended this year's Spring Fling on May 14 at the Computer History Museum in Mountain View, California. The visit began with a talk during lunch by Judy Estrin, CEO of JLABS, LLC (formerly known as Packet Design Management Company). On *Fortune Magazine's* list of the 50 most powerful women in American business three times, Ms. Estrin is the author of *Closing the Innovation Gap: Reigniting the Spark of Creativity in a Global Economy*, published in September 2008. After the talk, the visitors were free to tour the museum.

Ms. Estrin gave her perspective on the key issues that will need to be addressed in order to reignite broad innovation in the United States. She believes that part of the innovation gap is due to commercial funders' desire for a quick turnaround on their investments, which pressures researchers to focus on results and commercialization. But Ms. Estrin believes it is the love of research and intellectual curiosity that generate innovation. She presented a framework for sustainable innovation and described how it could be applied by individuals, businesses, organizations, and nations.

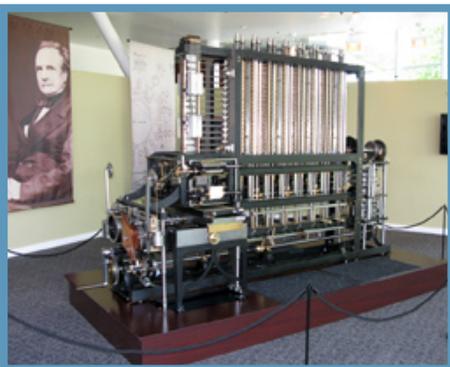


hand, the engine automatically calculates and prints tables of polynomial functions to 31 decimal places.

In addition to the museum's fascinations, the attendees enjoyed seeing each other.



*Spring Fling Photos by:
Don Berry and Boyd Fair*



A highlight of the tour was the Babbage Difference Engine No. 2. Charles Babbage is known for his visionary designs of huge calculating engines, but because

of the high cost of fabrication, he was able to build only one basic difference engine that did not include the automatic column-formatted printout and book plate casting portion of his design. This modern construction of Difference Engine No. 2 conforms with Babbage's complete specifications from 1849 and has 8,000 parts of bronze, cast iron, and steel; it weighs 5 tons. Cranked by

SRI Alumni Association Donation Helps Extend Exhibition of the Engine

To thank the museum for hosting the group, the SRI Alumni Association made a \$300 donation. The museum's director of development sent a gracious note of thanks with the good news that such support resulted in the engine's staying on display at the museum until the end of the year. It is on loan from Nathan Myhrvold, CEO of Intellectual Ventures and former CTO of Microsoft, and had been scheduled to be returned to him in May.

2009 SPRING FLING (Continued)



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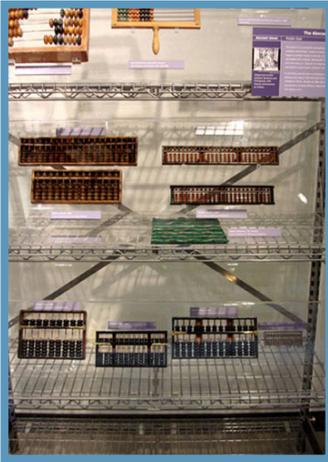
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COMPUTER HISTORY MUSEUM
1401 N Shoreline Blvd



2009 SPRING FLING (Concluded)



The abacus, calculators, adding machines, all types of computers — SRI Alumni saw them all at the Computer History Museum.



INTERNATIONAL JOURNAL

UK SRI Alumni Visit Science Museum in London

By David Gibby

On Sunday, April 19, some of the UK alumni met Fred Weil at his hotel in London and then walked to the new café at the Victoria and Albert Museum for a leisurely lunch in grand surroundings (see photo).

After lunch we visited the Science Museum's new interactive exhibition designed to inspire a new generation of innovators. The exhibition, Wallace & Gromit Present a World of Cracking Ideas, was well attended by would-be inventors of all ages.

After seeing the exhibition, we went to the Flight Gallery to see many examples of early aeroplanes, including *Jason I*, the de Havilland Gypsy Moth that Amy Johnson piloted in 1930 to become the first woman to fly solo from Great Britain to Australia. During our visit, an actress recounted Amy's experiences so convincingly that some of us thought she'd just reenacted the flight herself!

Among those unable to be there on Sunday were Ian Napier and Peter Weisshuhn, who had arranged to meet with Fred earlier in the week.



Enjoying lunch at the new V&A Café are (left to right) Dick Stewart, Nick Collin, Fred, Nick Sturcke, and David Gibby.

INTERNATIONAL JOURNAL (Concluded)

Celebrating the 100th Birthday of Sir Nicholas Winton, Savior of Jewish Children on the Eve of World War II

By Peter Miles

On May 16, I was invited by the Czech Embassy to a reception to celebrate the 100th birthday of Nicholas Winton, MBE, the savior of 669 Czechoslovak Jewish children in 1939.

In December 1938, Winton, a 29-year-old London stockbroker, was asked to cancel a skiing holiday and urgently go to Prague. After the ill-fated Munich Agreement in September, the Nazis had annexed the Sudeten Region of Czechoslovakia in October, and the occupation of the rest of the country was imminent. Hearing the news of the Kristallnacht, the bloody pogrom against German and Austrian Jews on the nights of November 9 and 10, Winton decided to take action.

He set up a rescue operation in Prague and raised funds in the UK for a foster home and deposit of £50 per child to

be rescued. Between March and August 1939, he organized eight transports to England, seven by train from Wilson Railway Station in Prague to Liverpool Street Station in London. The biggest transport, on September 1, 1939, with 250 children on board, coincided with Hitler's invasion of Poland and the start of World War II. The train disappeared, and none of the children were seen again.

Winton's heroic efforts have been acknowledged by Her Majesty Queen Elizabeth through the award of an MBE (Member of the Order of the British Empire) and by Czech President Vaclav Havel through an Honorary Citizenship of Prague and the Order of T. G. Masaryk.

At the reception, Sir Nicholas proved to be in excellent form and enjoyed cutting his large birthday cake and meeting 130 of his "Winton Children," together with their children and grandchildren.

For me, it was a very moving occasion to meet "Nicky," shake his hand, and express my gratitude for his help toward my safe arrival in England in 1939.



Winton's Children Serenading Him with "Happy Birthday"

HISTORY CORNER



Many SRI alumni undoubtedly remember the excitement when the International Building opened in September 1969. This

headquarters of SRI's international research activities truly was the product of an international effort. The official opening was at a luncheon on September 2, when Weldon B. (Hoot) Gibson expressed his gratitude to SRI's "many friends around the world," explaining that "Individuals and companies in more than 50 countries contributed either money or furnishings toward making this one of the finest buildings in the Bay Area."

Tours were held so that staff members and their families, the press, and local community members could see how these gifts made the \$3 million I Building a unique business structure. Some of the gifts were furnishings and finishings, such as hand-woven carpeting from Hong Kong, teakwood paneling for meeting room walls, a wrought iron gate from Seville, and patio furniture from Manila. A replica of the Mermaid of Copenhagen, a gift from a group of Danish businessmen, graced the courtyard fountain. Other art objects were ancient Korans and antique Persian rugs from the Middle East and a pre-Columbian tapestry from Peru.



Besides serving as the headquarters of SRI's international research activities, the I Building was—and continues to be—a site for SRI-sponsored conferences of national and international significance. The building, designed by Skidmore, Owings & Merrill, has meeting rooms, an auditorium, an exhibit hall, and a dining room on the ground floor. Originally, there was also a library/lounge area, where staff members could rent lockers to store beverages to enjoy at noon and from 5:00 to 6:30 p.m.



A world globe adorns the auditorium lobby.

Over the years, the beverage lockers were retired and the valuable items stored for safe keeping. But middle age has not diminished the attractiveness of the building or its usefulness for conferences and staff events.



CURT CARLSON DISCUSSES SRI'S PERFORMANCE WITH STAFF



President and CEO Curt Carlson held an all-hands meeting on July 15 to review SRI's year-to-date performance. Despite the global economic turmoil, many project opportunities exist, particularly in government stimulus funds, and SRI is pursuing them with vigor. The priorities of the National Science Foundation—especially in digital mathematics, science, and innovation—and of the Department of Education align well with SRI's capabilities and interests. The Department of Homeland Security's focus on cybersecurity and the Department of Energy's emphasis on efficient technologies are also favorable for SRI. Business development is a top priority, and each division has adopted best practices in proposal writing to make the process more efficient and the resulting proposals more compelling.



NEWS FROM SRI

Using The Dish, SRI Validated U.S. Air Force's Transmission of First GPS Signal in L5 Frequency Band

The History Corner of the April newsletter had a description of The Dish, the radio reflector antenna in the Stanford foothills. Just after the newsletter went to press, The Dish played a part in history. On April 10, 2009, the U.S. Air Force GPS IIR-20(M) satellite transmitted for the first time a Global Positioning System (GPS) signal in the L5 frequency band. This initial broadcast of the L5 Demonstration Signal was monitored and validated by SRI via The Dish, in cooperation with the Air Force GPS Wing, 2nd Space Operations Squadron, Lockheed Martin, Draper Laboratory, and The MITRE Corporation.

The L5 is the third civil GPS signal. According to Joel Szabat, Deputy Assistant Secretary for Transportation Policy, Department of Transportation, it “will make possible the research and development of safety-of-life applications for the commercial transportation sector and, in the future, will play a vital role in improving safety, fuel efficiency, and capacity in our airspace, waterways, highways, and railroads.” He marked this as “an important milestone in GPS civilian applications.”

To view the time series and power spectrum plots as seen from The Dish, go to the website <http://www.gpsworld.com/defense/news/united-states-air-force-successfully-transmits-l5-signal-gps-iir-20m-satellite-7080>.

NCI Selects SRI to Lead Chemical Biology Consortium

The National Cancer Institute selected SRI's Center for Cancer Research to lead the new Chemical Biology Consortium (CBC), a collaborative partnership for discovering and developing new cancer therapeutics, particularly those that are beyond the scope of standard biopharmaceutical practice. The CBC will concentrate on high-risk, underrepresented areas to advance the discovery of compounds active against novel molecular and genetic cancer targets.

Bioscience Researchers to Screen Drugs That Fight H1N1 Influenza A

Only one class of antiviral drugs, the neuraminidase inhibitors, currently is available to treat infection from the H1N1 influenza A virus (“swine flu”). SRI will screen well-characterized drugs from other chemical and mechanistic classes with the objectives of identifying effective alternatives to current therapies and making it easier to provide sufficient quantities of drugs to a broad population.

SRI researchers will culture cell lines and study H1N1 virus growth under well-controlled conditions. Then they will begin testing the first round of drugs. Assuming that some drugs demonstrate efficacy and potency, SRI will help develop a plan for preclinical and clinical evaluation and regulatory approval. The project will be performed under a resource contract from the Division of Microbiology and Infectious Diseases in the National Institute of Allergy and Infectious Diseases, one of the National Institutes of Health.

Study for Department of Education Finds Online Learning Effective for College-Level Courses

Under a contract with the U.S. Department of Education, SRI analyzed existing online-learning research and found that college students who took all or part of their classes online performed better, on average, than students taking the same courses through traditional instruction. In a search of the literature from 1996 to 2008, SRI found more than 1,000 empirical studies of online learning. The researchers screened them according to the ones that contrasted online and face-to-face conditions, measured student learning outcomes, had a rigorous research design, and provided enough information for calculating an effect size. Studies of more recent online instruction showed that at the postsecondary level, online learning was not merely as good as but better than face-to-face instruction. The researchers cautioned that the results cannot necessarily be generalized to K–12 education.

SRI Spinoff Siri Close to Launch of Virtual Personal Assistant

iPhone users may want to watch for a new app toward the end of summer, Siri's Virtual Personal Assistant (VPA). According to developers Dag Kittlaus and Tom Gruber, the VPA will be task focused and serve as an intermediary between the person and the device. They want to shift from our current “device-centric” world to a “person-centric” one. For example, a person would type into the iPhone, “What is a good restaurant near my current location?” The result would be a list of local restaurants, along with critics' ratings, reservation availability, and distance. The VPA does the searching and interfacing, but the person sees only the answer to his or her question. Plans are to extend the VPA to other platforms after its launch.

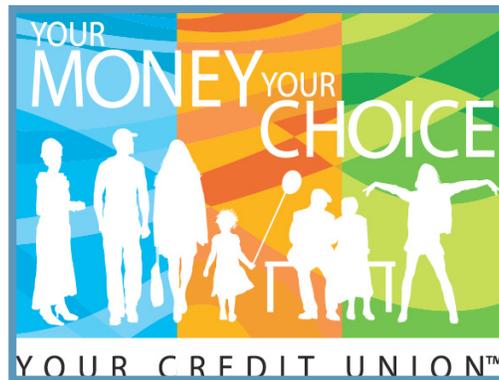
The technology is based on SRI's CALO software, which helps decision makers manage multiple simultaneous tasks and unexpected events. The CALO project is pioneering research in cognitive information processing, including artificial intelligence, machine learning, knowledge representation and reasoning, machine perception, natural language processing, and human-computer interaction.

TWINS NEEDED FOR SEASONAL FLU VACCINE STUDY



In a study led by Stanford University and sponsored by the National Institutes of Health, SRI is working to help scientists develop more effective flu vaccines. The researchers are seeking twins in the following age groups who have not yet had a seasonal flu vaccination this year: 8–17, 18–30, 40–49, and 70–100. Twins who qualify to participate will make three visits to Stanford. The first will be about 1 hour, to receive the flu shot; the vaccine will be the licensed, approved vaccine that will be given to the public this season. The two subsequent visits will be 20-minute follow-ups to determine response to the vaccine. Compensation will be provided. To learn more and to enroll, call 1-800-SRI-TWIN or e-mail sri.twin@sri.com.

CREDIT UNION NEWS



On October 15, the SRI Federal Credit Union will join 49,000 other credit unions from 96 countries and their 177 million members around the world to celebrate International Credit Union Day. Value, trust, and service to members, combined with the credit union philosophy of people before profits, make credit unions the popular choice the world over.

We strive to help improve the lives of our members by offering competitive rates and high-quality service and, in the process, build your trust. To learn more about the credit union difference, stop in at the SRI Federal Credit Union, visit our website at www.srifcu.org, or call 800-986-3669.



SRI FEDERAL CREDIT UNION

RECENT DEPARTURES OF LONGTIME STAFF

		Years of Service
April 2009	- Enrique H. Ruspini	25
May 2009	- Wayne Thomas Cruz	29
	- Jerome F. Thomere	11
June 2009	- Iouri Ivanovich Balachov	11
	- Patricia Lynn Burns	34
	- Kenneth Alan Merrill	29

ALUMNI NEWS

2009 Annual Alumni Reunion

Save the Date: The SRI Alumni Reunion Will Be in Menlo Park on October 8

The SRI Alumni Reunion will be at the International Building in Menlo Park on October 8 from 3 to 7 p.m. We have extended the time to be sure everyone has a chance to visit and get caught up on life events during the past year. As usual, food and beverages will be plentiful and delicious, and we will have a short program highlighting an interesting aspect of today's SRI.

All alums who will be in the Bay Area in early October should circle the eighth on their calendars now. A sign-up sheet with details is enclosed with this newsletter. The Annual Reunion is always well attended and lots of fun. We look forward to seeing you there!

WELCOME New Alumni Members

The SRI Alumni Association welcomes new members:

Patricia Burns
Annette Ludtke
Jerome Thomere

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

SEE YOU AT THE REUNION!

ANNUAL ALUMNI MEMBERSHIP RENEWAL

Letters for renewing Alumni membership for the year 2010 are included with the August Newsletter.

Membership renewals are due by October 15, 2009. You may return your renewal form with a \$15 check in the enclosed self-addressed envelope when you make your reunion reservations (due October 1). You may include both fees on one check if that is more convenient for you.

Help us avoid the expense of sending out renewal reminders. All members who renew by mid-December will be included in the 2010 Alumni Directory, which will be mailed in early January 2010.

DIRECTORY ADDENDUM

The enclosed addendum sheet (covering the period of April 9 to July 31, 2009) contains new members and corrections. Please add it to your 2009 Directory.

IN MEMORIAM

Charles Anderson*

Charles ("Charlie") Anderson, former President and CEO of SRI, passed away April 17, 2009, at the age of 91.

Charlie was born in Columbus, Ohio, on November 14, 1917, and moved to Berkeley as a young boy. He received a degree in chemistry from the University of California, Berkeley, in 1938 and an MBA from Harvard Business School in 1940. After serving in the Navy during World War II, he became an Assistant Professor of Business Administration at Harvard. Between 1948 and 1968, he held Vice President and CEO positions in several companies, as well as being Associate Dean and Professor of Business Administration in the Stanford Business School from 1958 to 1961. He became President and CEO of SRI in 1968, steering the Institute through a challenging period, including antiwar demonstrations and the renaming of Stanford Research Institute as SRI International, until his retirement in 1980.

In retirement, Charlie gave his time and energy to many noteworthy causes, including the Lucile Salter Packard Children's Hospital, where he was Chairman of the Board; the Herbert Hoover Boys & Girls Club Advisory Council; and UC Berkeley's International House, where he was a Director. He also performed extensive public service volunteer work for agencies at the city, state, and federal levels. His service was recognized with an Air Force Exceptional Service Award and, in 1979, the Business Statesman of the Year award from the Harvard Business School Association of Northern California.

Charlie is survived by his three children, Peter Anderson of Morgan Hill, Stephen Anderson of Melrose, Massachusetts, and Julie Zarcone of Menlo Park; four grandchildren; and three great-grandchildren.

Mike Barber*

Mike Barber, head of the Chemical Industry group in Croydon for many years, died on May 2, 2009. He continued on as an industry expert, particularly in penicillin, for many years after leaving SRI. He is survived by his wife, Linda.

Patricia Ann Fagundes



Patricia Fagundes passed away peacefully on April 10, 2009, at age 68. She was the Classified Document Control Coordinator in the Physical Sciences Division's Poulter Lab from 1964 to 1976.

Patricia was born August 22, 1940, in San Diego to Henry and Veronica Rose Fagundes. She attended San Francisco

State University and graduated with a degree in audiology in 1976. After leaving SRI, she had a successful 15-year career in real estate, rising to become manager of the Merit-McBride office in Palo Alto.

Patricia volunteered for most of her life for many causes, including the Democratic Party and the Alzheimer's Association

chapter in Mountain View, and she was a longtime member of St. Athanasius Catholic Church. For recreation, she loved the piano, the arts, and the movies. Patricia is survived by her brother, Henry Jr.; her sister, Kathy; and her 92-year-old father; by 7 nieces and nephews and 12 great-nieces and -nephews; and by her faithful Siamese cat, "Princey."

John F. Fort

John Fort passed away at his home in Rancho Mirage, California, on March 28, 2009, at age 61, after a long, courageous battle with cancer. John had been with SRI since 1986 and was Assistant Controller when he died.



John was born in Peoria, Illinois, December 18, 1947, to Lloyd and Frances Fort. He attended Southern Illinois University and graduated with a degree in accounting in 1969. He married his high school sweetheart, Linda Harrington, during the last semester of college in 1968. John served in the U.S. Navy, spending most of his service time in Vietnam and the Philippines as a Supply Naval Officer aboard the *USS Oriskany*. He received the Vietnam Service Medal, the National Defense Service Medal, and a Meritorious Unit Commendation. After leaving the Navy, John and Linda settled in San Francisco, where John pursued his career in accounting, joining SRI's Finance and Administration department as Accounting Manager in 1986. The couple moved to Rancho Mirage in 2003, from where John telecommuted during the last years of his life.

John was an avid golfer, and he was a member of the SRI Golf Club for many years. He also enjoyed other sports, such as snow skiing and waterskiing. John and Linda often traveled to Maui for golf, relaxation, and fun with friends and family.

John is survived by his wife, Linda; his brother, Scott, of Pioneer, California; his stepmother, Joann Fort of Morton, Illinois; and a large extended family, including numerous uncles, aunts, in-laws, and cousins.

Jorge Heller*



Jorge Heller died at home in Ashland, Oregon, on June 8, 2009, from complications due to multiple myeloma. He worked at SRI in the areas of polymer chemistry and controlled drug delivery between 1959 and 1994.

Jorge was born in Liberec, Czechoslovakia, in 1927 and moved to the United States in 1948. He received a bachelor's degree in chemistry in 1952 from UC Berkeley and a doctorate in organic chemistry in 1957 from the University of Washington in Seattle. After 3 years at Union Carbide in New Jersey, he joined SRI in 1959 as Director of Polymer Chemistry. In 1970, he left the Institute to become

IN MEMORIAM (Continued)

Director of Physical Sciences at the ALZA Corporation, where he began his research in controlled drug delivery, a new concept at the time. In 1974, Jorge rejoined SRI and continued his research as Director of the Controlled Release and Biomedical Polymers Department. He left SRI in 1993 for a position as Principal Scientist at Advanced Polymer Systems, which became A.P. Pharma, a specialty pharmaceutical company focused on the development of innovative medical treatments using polymer-based drug delivery technology.

Jorge held appointments as adjunct professor, visiting professor, and lecturer at numerous universities. For nearly 30 years, he taught the annual course on Advances in Controlled Drug Delivery at the Massachusetts Institute of Technology. He is the author of about 210 publications and 50 patents. His contributions have been recognized with many professional awards, including the SRI Fellowship Award in 1986 and the Controlled Release Society Founders' Award in 2006. He retired to Ashland, Oregon, in 2004 but maintained consulting relationships with several companies.

Jorge is survived by his wife, Gloria; sons, Steven Heller and David Heller; stepchildren, Mark Myers and Nathalie Pearson; and grandchildren, Catie Heller, Henry Heller, and Jessica Pearson; a brother in Argentina; and numerous nephews and nieces.

John J. Kane



John J. ("Jack") Kane, a longtime SRI client as a career scientist at the Office of Naval Research (ONR) and then SRI Washington staff member, passed away May 31, 2009, at the age of 88.

Jack graduated from LaSalle University in 1943 with a degree in chemistry. After graduation, he was commissioned in the United States Navy and served in the Pacific Theatre. After his shipboard service, he worked at the Naval Research Laboratory in Washington, D.C., studying the effects of atomic weapons at the Nevada Test Site and at Bikini and Eniwetok Atolls. From 1951 to 1981, he worked on deep-ocean acoustic research at ONR and was the primary champion of long-range over-the-horizon radars for early warning systems, a major research area for SRI. After he retired in 1981, he joined SRI as a Science Advisor in support of its work for the Navy. He spent most of his free time during retirement planning annual family reunions at Bethany Beach, Delaware.

Jack is survived by Rose Mary, his wife of 65 years; one daughter, Ellen Kroese of The Hague, Netherlands; four sons, John and Joseph, both of Virginia Beach, Virginia, Michael of Lexington Park, Maryland, and Thomas of Richmond, Virginia; his sister, Mary Fitzpatrick of Norwood, Pennsylvania; and 12 grandchildren and 4 great-grandchildren. He was preceded in death by his son, Robert Kane, age 21, in 1974.

Brian Joseph Murphy

Brian Murphy died suddenly on June 22, 2009, at age 59. He was a Senior Molecular Biologist in the Biosciences Division.

Brian was born in St. John's, Newfoundland, on November 4, 1949. He received bachelor's and master's degrees in biology from Memorial University of Newfoundland and a doctorate from the University of British Columbia in Vancouver. During his time at UBC, he spent 3 months in the Antarctic gathering data that became the basis of his career. After his first postdoctoral program at Stanford University School of Medicine, he received his second postdoc fellowship at SRI in 1984. Brian stayed on at SRI in the Life Sciences Division and dedicated his life to cancer research (and Halloween parties).

Outside of work, Brian's main joys were his family, rock 'n' roll music, and gardening. He is survived by his wife, Juli, and his son, Quinn, and daughter, Hope.

Richard Remington*

Richard ("Dick") Remington died on April 17, 2009, from cancer. Dick was a Development Engineer in the Innovative Product Engineering and Technology Division.

Dick was born in Berkeley on October 17, 1927. In 1944, the family settled in San Carlos, where Dick lived for the rest of his life. After receiving an associate's degree in engineering from the College of San Mateo, he joined SRI as a Development Engineer in 1952. He provided technical expertise in mechanical and electrical engineering to many programs at SRI during his long career. He retired in 1996, although he continued on a contract basis until the project he had started was finished.

Dick's engineering talents were also reflected in his lifelong interest in model engineering. He spent considerable time building model engines in his shop and attending engine shows in the western United States. He and his wife, Bess, also enjoyed RV camping and traveling, visiting most of the lower 48 states in their motor home.

Dick is survived by his wife, Bess; his son, Charles; and two grandsons, Michael and Steven Carlson. His daughter, Katherine, preceded him in death.

IN MEMORIAM (Concluded)

William Schubert*

Bill Schubert died at his home in Palo Alto on March 21, 2009, at age 89. He worked in SRI's Engineering Systems Division from 1965 to 1982.

Bill was born in Huntington Park, California, on February 20, 1920. He received a bachelor's degree in mechanical engineering from the California Institute of Technology (Caltech) and an MBA from Harvard University. Bill served in the Navy for 21 years during and after World War II. As a young naval officer at the Naval Engineering Experimental Station in Annapolis, Maryland, he was involved in the research and development of rockets and jet engines. He developed the first successful pulsejet engine in the United States and invented the valveless pulsejet engine, receiving several patents for his work. From 1959 to 1962, Bill served at NASA Headquarters as chief, Centaur Class launch vehicles, where he was in charge of developing the Atlas-Agena and Atlas-Centaur rocket launch vehicles. On retirement from the Navy as a Commander, he worked at the Aerojet Liquid Rocket plant in Azusa, California, later joining SRI as a Cost Analyst.

After retiring from SRI as a Senior Systems Analyst, Bill and his wife, Betty, traveled overseas; sailed on their boat, the *Pie*, in the

waters around Alameda and San Francisco; and produced community programs for the local Palo Alto cable TV station. In later years, Bill turned his full attention to music, spending the last several years as a working musician playing gigs around the Bay Area with his own trio, SOFJAZZ, and local jazz bands.

Bill is survived by his wife of 63 years, Betty; his children, William of San Bruno, Deborah of San Diego, and Stephanie of Palo Alto; and his granddaughter, Emilie.

Angela Van Pelt

Angie Van Pelt died of cancer on May 4, 2009, at age 71. She began work at SRI as a Data Entry Operator in 1978 and retired in 1991 as an Administrative Assistant in the Communications and Technical Services Department.

Angie is survived by her daughters, Lori Kirtlan, Diane Riley, Janette Moquin, and Karen Van Pelt; by nine grandchildren; and by her sister, Diane Simpson.

*Member of the SRI Alumni Association

*The SRI Alumni Newsletter is published three times a year (in April, August, and December) by the SRI Alumni Association,
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