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APRIL 2005 NEWSLETTER

MESSAGE FROM PRESIDENT BOYD FAIR



Photo by SRI Security

Hello everyone! Let me start by saying that the Steering Committee members hope that all of you had a wonderful Holiday season and that the New Year has started off with continued happiness and good health. Below, highlight some of the major articles contained in this

issue of the Newsletter.

Our Japanese Alumni continue to remain active and hold periodic social events. This issue of the newsletter contains some pictures and a description of their latest event. The UK Alumni also meet periodically. As you can see, our foreign contingent is active and doing well. Thanks to Fred Weil for his efforts in continuing to keep these folk involved with the Alumni Association.

We have closed the accounting books on 2004 and the financial statement for the year is included here. We remain strong financially, even though our expenditures exceeded our cash income in 2004. This occurred for a variety of reasons: (1) the “financial gifts” that we realized in prior years, which helped offset some of our costs, did not occur in 2004; (2) our dues have remained unchanged for several years even though our operating costs have increased; (3) we expanded our Spring Fling to include tours and gratis lunches for all attendees; and (4) because we chose to enhance the quality and size of our newsletter as it is the primary communications tool.

The Steering Committee realizes that our financial health, as well as the quality of our service, is critical to our success as an organization. We will continue to monitor our cash income and expenses closely, and in a future issue of the Newsletter, we will report on our actions and progress toward obtaining a “balanced” financial statement. (Many thanks to Pete Valenti for managing the books for the association.)

Other articles of interest in this newsletter include information about recent retirees and alumni who have undertaken new endeavors. There is also a section about recent SRI projects, sifted from SRI’s Web pages.

Don Nielson’s book, “SRI, Research, Innovation, Impact --- SRI’s First Half-Century”, is finally in publication. Copies should be available very soon. Read about it and how to obtain your personal copy inside. (Don, thanks from all of us for all your time and hard work in documenting many of the projects the Alumni worked on during their time at SRI.)

Lastly, please notice the flyer for our **2005 Spring Fling at the Hiller Aviation Museum**. We need to know how many of you will be attending the tour and how many box lunches to purchase for our pre-tour “tailgate” in the parking lot (just like at a football game.) So please tear off the slip and get it back to us as soon as possible. No slip, no lunch! Hope to see you all there.

As always, we all need to thank Bob and Joyce for all their hard work putting the Newsletter together and arranging for its distribution to our membership.

LETTERS FROM READERS

To the Editor:
12/22/04

In your comments regarding Shakey the Robot [December 2004 Newsletter] you listed the names of people involved. To my surprise and disappointment my name was not included.

I was the engineering project leader and designed both the robot and its video interface.

I left SRI in 1972, so it is understandable that the early participants are forgotten.

While I am blowing my own horn I might as well remind the later members of the association of some of my other contributions at SRI.

In 1967 I invented the concept of Programmable Logic (US Patent # 3,473,160 "Electronically controlled microelectronic cellular logic array") a concept on which Altera, Xilinx and other have based their business.

In 1968 I presented a concept of using a capacitor and a single transistor in a dynamic memory. Somewhat later SRI signed a contract with Shell Development Company for

development of a special-purpose computer, requiring a high-capacity high-speed memory. I was assigned to lead the project. My concept was accepted as the memory device to be used. A patent was applied for but eventually rejected due to a previous application by Dennard of IBM.

Credit is also due to Alton Christensen of Shell Development Co, who under my direction designed the latching amplifier for which another patent was also issued. Later I was issued US patent 3,678,473 "Read-Write Circuit for Capacitive Memory Arrays".

In cooperation with a semiconductor company we designed and tested the first working DRAM. The structure suggested in my patent became the norm for DRAM design, modified only slightly after introduction of N-channel transistors.

A long time has passed, but I remember with fondness the friendly working atmosphere at SRI.

Sven Wahlstrom
Ukiah, CA
svenwahl@pacific.net

SRI INTERNATIONAL ALUMNI ASSOCIATION CASH FLOW / INCOME AND EXPENDITURES YEAR ENDING DECEMBER 31, 2004

CASH BALANCE 12/31/03		\$18,375
INCOME		
CASH INCOME		
MEMBERSHIP FEES	\$6,060	
DIVIDENDS (INTEREST)	143	
REUNION EVENT FEES		\$2,275
TOTAL CASH INCOME	6,203	2,275
EXPENSE		
NORMAL OPERATING EXPENSE		
REPORT PRODUCTION SERVICES	\$(6,097)	
POSTAGE & MAILING EXPENSE	(2,184)	
MISC. SUPPLIES	(490)	
	(8,771)	(8,771)
OTHER EXPENSE & EXPENDITURES		
USED COMPUTER PURCHASE	(200)	
DONATION TO S.J. MUSEUM	(500)	
	(700)	(700)
SPECIAL EVENTS		
REUNION COSTS		(3,237)
SPRING PICNIC COSTS	(556)	(556)
TOTAL EXPENSE & EXPENDITURES	(10,027)	(3,237)
CASH DEFICIT FOR YEAR		
OPERATIONS, OTHER & SPRING PICNIC	(3,825)	(3,825)
REUNION EVENT (Mostly funded by participants' fees)		(962) (962)
CASH BALANCE 12/31/04		\$13,589

---Pete Valenti, treasurer

HALL OF FAME CELEBRATION IN JAPAN

Japan alumnus Jun Shimosato writes to tell us of a dinner party to celebrate the induction last fall into the SRI Alumni Hall of Fame:



Tak Takaoka receiving flower gift from Noriko Kabasawa.

“March 15, 2005 was a happy day for Shige Yoshi “Tak” Takoka in Japan. To celebrate his Hall of Fame Award, 17 interested people, mostly former employees of SRI in Tokyo,

gathered in a Chinese restaurant at Toranomon, close to the location of the former SRI Japan Office until 2003. The dinner party was started at 6:30 p.m. introduced by brief beginning words by Jun Shimosato. After toasting with beer led by chairman Osamu Karatsu, representative of SRI International Japan, presented the celebrating words to Tak, telling that it is the great honor and encouraging thing for the present SRI Japan as well.

“After a while of drinking and eating time, congratulatory messages received from Paul Jorgensen, Boyd Fair and Sara Soder were read and the copy

was submitted to Tak. Then, each of the participants briefed their celebrating word and current activity one by one. Tak looked as if he was enjoying hearing the messages from Menlo Park and the words of participants, inserting his kidding words occasionally.

“The last scenes of the party were the presentation of the beautiful bouquet by Noriko Kabasawa as the shape of the congratulations dedicated from all participants and the response of Tak’s appreciation words. In his speech, he recalled that the time of the office relocation in 1982 from Edobashi Building, a small building owned by Nomura Security to Imperial Tower, a prestigious building owned by Imperial Hotel, was real exciting to him. The office relocation helped to enhance the reputation of SRI Asia among Japanese clients and to increase the revenue drastically from the time before relocation.

Other people participating in the dinner included Haruo Taneno (President of E-Access), Prof. Hisatoshi Yamamoto (Waseda University) and Masa Yoneyama, Yosuke Ishikawa and Tad Ssano (all three from CBRI Japan—formerly SRI Consulting). Most of the people are still actively working in various segments of business. The party should create good atmosphere to encourage well those people in business.”

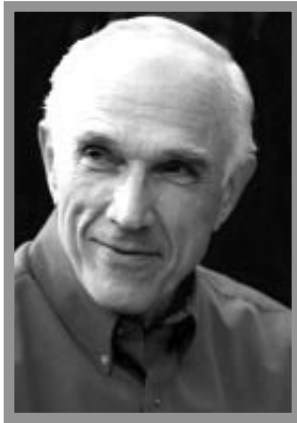
Photos by Tad Sasano.



*(l. to r.) Osamu Kamatari, Akira Mafune, Tad Sasano, Osamu Karatsu, Masa Yoneyama, Jun Shimosato, Mitsuko Nishiguchi, Hisatoshi Yamamoto, Takako Kawakami, Noriko Kabasawa, **Tak Takaoka**, Shin-Ichi Ogata, Toshiko Miura, Yosuke Ishikawa, Hiroko Itoh, Haruo Taneno, and Shihomi Takahashi.*

HISTORY CORNER

A new book about SRI was announced in last December's newsletter and orders were invited. "A Heritage of Innovation – SRI's First Half-Century" is authored by **Don Nielson**, who spent nearly 40 years in various research and management roles at SRI. Copies are scheduled for delivery the last week of March; a few preliminary copies are already in hand. The procedure for ordering is given below. Orders already received will be dispatched as soon as the bulk shipment arrives. Our apologies to those who have waited the month or so beyond the date that they were first expected.



For those who didn't catch last December's description, here is what it is about. Rather than being an ongoing history of SRI, following those written by Hoot Gibson, Don Nielson has taken

another approach -- one that identifies approximately fifty SRI projects or areas of work that have had an impact on the world. Since SRI had more than 50,000 projects in its first 50 years, the selection was obviously difficult and ultimately somewhat arbitrary. But in the book you will find stories and photographs about projects and people from across SRI that have left a mark. You'll no doubt be aware of some of them, but most you will discover for the first time. The chapters, briefly stated, are as follows:

Origin and Character of SRI
 Computing
 Communications
 Life of an SRI Laboratory
 Medical Technology
 Transportation
 Printing and Imaging
 National Security
 Atmospheric Sciences
 Drugs and Healthcare
 Chemistry and Materials
 Education
 Business Consulting
 Economic Development
 Appendices including:
 SRI History
 SRI Atmosphere
 80+ new companies

The price of the good-quality, hardcover book is \$30 for SRI staff and alumni, including tax and the cost of mailing. For those wishing to have it mailed to them, you may order it at any time and it will be shipped as soon as possible. To purchase a copy, send a request, including your return address and a check for \$30 made out to SRI International, to:

Judy Jaciow, AD109
 SRI International
 333 Ravenswood Ave.
 Menlo Park, CA 94025.

If you would like to pick up the book at SRI, please call ahead to make arrangements with Judy Jaciow, x4991 or Kinney Thiele, x4771.

Shipment to SRI staff and alumni overseas is expected to cost an additional \$10-\$12 for delivery in 4-6 weeks. More rapid delivery is also available; contact Judy or Kinney.

Arrangements will be made for non-SRI people to buy the book at local bookstores for \$40 or on Amazon for \$35 plus shipping.

WHAT ARE THEY DOING NOW?

The Volunteer Life after SRI

Russ Phillips expanded his volunteer activities after his retirement in 1988.

He met with foreign graduate students at Stanford to orient them on American customs and to give them an opportunity to converse in English.

He was a leader in Stanford Medical School's programs to teach people with arthritis and chronic diseases how to better self-manage their afflictions.

For the past eight years he has served as the community member on a panel of Stanford Medical School professional staff members to review research programs conducted with human subjects. In this way he helps ensure that prospective participants are fully informed of the possible risks and benefits of the research before volunteering.

At Channing House in Palo Alto, where he and his wife have lived for ten years, he has served on numerous committees organized for the benefit of the 270 residents, including two years as President of the Residents' Council.

In a garden plot leased from Palo Alto he raises mainly flowers but also a few tomatoes. Lynn and Russ enjoy travel (largely in the U.S. to visit their three grandsons and their parents, but also abroad to gain new perspectives).

Russ served at SRI from 1951 until 1988, and is remembered most for his long tenure as Director of the Chemical Engineering Laboratory.

Opera in Italy

SRI-Croydon alumna **Gia Campari** will be conducting an Opera Singing Workshop in her native Italy June 26 to July 3, and she is inviting her fellow alumni and other friends to join her for the week. It is open to all amateur singers. Here are some quotes from her opera website:

“Throughout the week you will be coached by three outstanding professionals from the Royal Opera House, Covent Garden, London. As a climax, you will perform scenes from *La Traviata*, one of the best-loved works of **Giuseppe Verdi**, to a discerning and supportive local audience, for charity.”

Gia adds, “We will be rehearsing and performing in a little jewel of an Opera House” **Teatro Magnani**, named after Verdi's favourite set designer and artist Girolamo Magnani.” It is located in Salsomaggiore Terme, a lovely spa town near Fidenza in northern Italy. Fidenza is located halfway between Milan and Bologna. Participants will also have some time to explore the local area, dotted with fabulous castles outstanding restaurants (home of Parmesan Cheese and Parma Ham).

You can check it all out at <http://operafidenza.com>



A busy woman, Gia is also organizing a private concert on June 25th for her friends and acquaintances, to which all SRI Alumni are invited. This is her third private concert, and will precede the opera workshop. Gia says that

for the first two, she “... hired the Opera House in Fidenza and gave concerts for my friends, persuading many of them to sing in staged choruses.” More data on <http://www.friendsinconcert.co.uk>

Gia joined SRI-Croydon in 1987 as a Senior Consultant. She left to join a Swedish consultancy in 1996, and became a freelance management consultant in 2002. She came to opera late in life and is using her creative and organizational skills in such inspiring events as her new workshop.

WHAT ARE THEY DOING NOW? (Concluded)

A Fling in Politics

Sandy Needs writes from Alhambra, California:

“Politics was my passion in high school and I was a political science major for the first two years of college. When I returned to Southern California in 2002, I worked as campaign manager for a friend running for State Senate. He lost, but I became very active locally and was appointed to the Republican State Central Committee.

“In 2004, when no one was willing to go up against one of the best funded Democratic Assembly members in California in a heavily Democratic district, I decided to give it a try. I wanted to join Team Arnold. I figured I had a perfect name and a memorable slogan — Sandra Needs Your Vote. I won the primary and became the Republican Nominee for the 49th Assembly District, which is in the Western San Gabriel Valley of Los Angeles County.

“It was an incredible year. I got to meet lots of interesting people—even danced with the future king of Cambodia and sat at his table. I’ve been on radio, television and quoted in the newspapers. I know the movers and shakers in California politics (and they know me), and I have something interesting to put in my obituary. It was a great opportunity for me to learn and expand my horizons.

“The last two weeks of the campaign things looked promising. The card clubs and racetracks helped me by pouring in \$161,000 on billboards, yard signs and direct mail against my opponent. But it didn’t

make a difference--not one seat changed hands in 153 district-based elections in California. So now I am gathering signatures for the Fair Redistricting initiative.

“Here’s my quarter-million-dollar picture with the Governor. I figure it cost that much because I gave up a year of earnings and benefits, raised \$14,000 for my campaign, and the card clubs and racetracks spent \$161,000 against my opponent.



“I’d love to hear from you. Send me an e-mail: Sandra.Needs@mindspring.com”

Sandy started at SRI in Aug. 1976 as Secretary to Marion Hill, the Director of the Chemistry Laboratory, then spent seventeen years as Executive Secretary to Paul Jorgensen. Sandy was in the General Counsel’s office for her last five years, leaving in Oct. 1999.

SEND US YOUR STORY!

SPRING GATHERING

Plan to attend our Spring Fling at the Hiller Aviation Museum on **May 24**.

Details are given in the enclosed flyer. Be sure to mark your calendar. Tear off the RSVP slip and send it in now!



NEWS FROM SRI

SRI's website, www.sri.com, is full of the latest information on recent happenings and milestones. Here is a sampling:

Spin-offs: SRI International noted another year of its successful spin-off strategy. A key component of SRI's business strategy has been to spin-off new ventures to capitalize on the groundbreaking technology developed at SRI and move it into the marketplace. Many in the venture capital community are taking note of SRI's ability to leverage its R&D success. To date, SRI and its subsidiary Sarnoff Corporation have spun off more than two dozen new ventures. See <http://www.sri.com/about/spin.html>

Some recent spin-offs in the news:

- **Nuance Celebrates 10 Years**

From its beginnings in SRI's Speech Technology and Research (STAR) Laboratory, Nuance has led the speech recognition market with products that enable today's generation of advanced voice-activated systems. Nuance developed and deployed the industry's first large-scale commercial speech application, and is now the recognized North American market share leader, with more than 1,000 customers worldwide. Nuance was spun off in 1994 and went public in 2000 (*Nasdaq: NUAN*, www.nuance.com).

- **Intuitive Surgical Secures Record Number of Customers and Revenue**

Intuitive Surgical, Inc. (*NASDAQ: ISRG*, www.intuitivesurgical.com), the industry leader in surgical robotics, reported record revenue in 2004. Intuitive Surgical was spun off from SRI in 1995. In its third quarter, the company reported a run rate of \$140M driven by continued recurring revenue growth and higher da Vinci® Surgical System shipments.

- **PacketHop Secures \$10M in Series B Financing**

PacketHop (www.packethop.com) develops mobile broadband networking products, including secure mobile mesh networking software that loads easily onto virtually all standard IP radio-equipped devices like laptops, PDAs and tablets, enabling a mobile broadband network to be created instantly.

The company is currently preparing for a commercial product launch in early 2005 and has secured key strategic partnerships with Nortel Networks, Itronix, and Xybernaut, among others.

- **Artificial Muscle Secures \$7.5M in Funding**

In 2004, SRI formed Artificial Muscle Incorporated (www.artificialmuscle.com), a company that develops and markets components made of EPAM (Electroactive Polymer Artificial Muscle). The smart material was developed and patented by SRI researchers. Artificial Muscle Inc. was spun off from SRI in 2004.

- **PolyFuel Announces New Family of Fuel Cell Membranes**

PolyFuel (www.polyfuel.com), a leader in engineered membranes for fuel cells, announced a breakthrough in technology that could ultimately make hydrogen fuel cell-powered automobiles a commercial reality. At the heart of the breakthrough is a new family of membranes - the crucial component of a fuel cell - that exhibit a set of performance characteristics never before simultaneously achieved in hydrogen-based fuel cells.

PolyFuel has already introduced the highest-performing membranes available for the compact, portable, methanol-based fuel cells that are being developed to replace batteries in portable electronic devices such as notebook computers and cell phones.

PolyFuel has been named a 2005 Technology Pioneer by the World Economic Forum and Frost & Sullivan named PolyFuel's technology "Enabling Technology of the Year for 2004 for Power Supplies and Batteries".

Doug Engelbart, Inventor of the Computer Mouse, Joins Silicon Valley Engineering Council Hall of Fame

On February 23, 2005, Douglas Engelbart, inventor of the computer mouse while at SRI, was named to the Silicon Valley Engineering Council

NEWS FROM SRI (Continued)

(SVEC) Hall of Fame. The SVEC is an umbrella organization of more than 40 professional societies representing 60,000 engineers, scientists and technologists in the region. The SVE Hall of Fame recognizes local engineers for their outstanding engineering and technology achievements and significant contributions to the community.

Past Hall of Fame inductees include technology luminaries William R. Hewlett and David Packard, the founders of Hewlett-Packard, and Apple co-founder Steve Wozniak.

Doug was cited for his extraordinary commitment to advanced computing that has revolutionized the way we communicate and collaborate, and paved the way for the digital age.

In 2000, President Bill Clinton honored Engelbart with the National Medal of Technology, the nation's highest technology honor.

Engelbart is currently senior technical adviser emeritus at SRI.

SRI's Pathway Logic Software Helps Predict Response to Cancer Therapies

SRI recently received a grant from the National Cancer Institute (a unit of the National Institutes of Health) and the Lawrence Berkeley National Laboratory (LBNL) for the study of signaling systems in biological networks associated with cancer cell lines. Acting as a subcontractor to LBNL, SRI will develop a model of cellular signaling networks related to human breast cancer.

For this project, SRI will apply Pathway Logic™ software, SRI's approach to modeling biological entities and processes based on the Maude computer language (<http://maude.csl.sri.com>).

SRI's Biosciences Division and Computer Science Laboratory will co-develop the Pathway Logic model of cellular networks. Dr. Keith Laderoute is the director of SRI's Cancer Biology Program.

New SRI Patent Offers Secure Paper-Based Transactions

SRI has been issued a fundamental U.S. patent for its "nonce stamp" technology, which can secure and authenticate paper documents against fraudulent creation and use. Nonce stamps are a way of creating unique physical representations of digital certificates that are easily authenticated and that cannot be forged. The "nonce stamp" offers many applications, including electronically downloaded airline tickets, travelers' checks, passports, postage, legal documents, and event and movie tickets.

U.S. Patent No. 6,820,201 covers SRI's information-based indicia technology for securing and authenticating paper documents. The inventors are laboratory director Patrick Lincoln and staff scientist Natarajan Shankar of SRI's Computer Science Laboratory. The SRI technology addresses the security issues inherent in today's popular "print-at-home" documents, such as postage and movie tickets, which can be readily counterfeited.

The nonce is a unique number preprinted on a forgery-resistant material. When the user wishes to print an article of value, such as a postage stamp, the value of the nonce is combined with other information (e.g., the value of the postage) and a digital certificate is created. The digital certificate, in electronic or printed form, together with the nonce stamp, provides cryptographically secure proof of the uniqueness and authenticity of the certificate.

SRI Computational Method for Mapping Human Metabolic Pathways and Proteins

SRI International has developed a computational analysis of the human genome to predict metabolic pathways and new gene functions within the human genome. Using SRI's PathoLogic™ software, the analysis assigned 622 human enzymes to roles in 135 predicted metabolic pathways. The pathways and the analysis results are available in the HumanCyc database at www.humancyc.org. HumanCyc provides a

NEWS FROM SRI (Concluded)

genome-based view of human nutrition that could foster a better understanding of the links between genome, diet and health.

The HumanCyc database is the seventeenth in SRI's growing collection of BioCyc (<http://biocyc.org/>) pathway and genome databases. To date, SRI has licensed pathway software tools to more than 400 academic and commercial organizations.

One of SRI's software tools, the HumanCyc Omics Viewer, allows researchers to visualize combinations of gene expression, proteomics, and metabolomics data by painting them onto the cellular overview of human metabolism.

Peter Karp is the director of SRI's Bioinformatics Research Group, a leader in the development of database content and software tools for the bioinformatics field.

SRI sequences *Tularemia* Bacterium Genome

Working with an international team of researchers on a similar project, SRI has performed a series of important computational analyses to report the complete genome sequence of *Francisella tularensis*, a bacterium that causes tularemia, or "rabbit fever" in animals and humans. The findings are reported in **Nature Genetics**, Feb. 2005. The predicted metabolic pathways of *Francisella* are available through the FrantCyc database on the SRI Web site at URL BioCyc.org.

The research findings increase the understanding of how highly virulent human pathogens evolve and could expedite strategies to combat them. In addition, the study will specifically support work on improved countermeasures against tularemia.

The interdisciplinary team on the *Francisella tularensis* project included researchers from SRI, Sweden, U.K. and the Lawrence Livermore National Laboratory.

RECENT RETIREES

- November 2004 – **John Mc Pherson**, Engineering Assistant in Radio Science and Engineering, after 10.1 years of service.
- **Toshiko Miura**, Administrative Assistant in SRI-Tokyo, after 26.4 years of service. (standing next to Tak in the photo at the bottom of page 3.)
- January 2005 – **Antonia Tena**, Lead Telecommunications Operator in Central Staff, after 20.2 years of service.
- **Robert E. Hicks**, Program Director in Radio Science and Engineering, after 15.7 years of service.
- **Vinay Lakshminarayan**, Senior Software Engineer in Radio Science & Engineering, after 10 years of service.
- **Christine L. Raines**, Senior Security Professional in Central Staff, after 20.4 years of service.
- **Subash C. Narang**, Director of the Energy Technology Laboratory, after 19.6 years of service.
- **James P. Milliman**, Painter in Support Operations, after 18.3 years of service.
- February 2005 – **Michael S. Frankel**, Vice-President and Director of ITAD in Information Technology, after 30.6 years of service
- **Evelyn D. Moleson**, Assistant Buyer in Support Operations, after 16.2 years of service.

IN MEMORIAM

Ray Alger

Raymond Stanley Alger passed away October 17, 2004, the day after his 84th birthday. Ray had worked at SRI more than 15 years, mostly in the Fire Research group.

Ray was born in 1920 in Kansas. After moving to California, he attended Modesto Junior College, then obtained a BS in Electrical Engineering at UC Berkeley in 1943. After WW II, Ray attended MIT, where he received an MS, also in Electrical Engineering, in 1949.

Ray turned to research in physics and began work at SRI in 1976 as a Senior Physicist in the Physical Sciences Division. Much of his work was done in the Fire Research Group in the Chemical Engineering Laboratory, where he was a Staff Physicist when he retired in 1991. His technical career spanned more than 49 years.

Ray was a 51-year resident of Burlingame, where he was an active member of the First Presbyterian Church of Burlingame. He taught Sunday School and served as an elder and deacon. He was also a member of SIRS and the Commonwealth Club of San Francisco.

Ray was predeceased by his wife of 55 years, Barbara. He was the father of sons David (deceased 1972), Richard, and Daryl; and of daughters June A. Simmons and Joyanne A. Bell. Survivors include eleven grandchildren and four great-grandchildren.

Art Bayce

Arthur Bayce died October 7, 2004 at the age of 80. He was active at SRI in the 60s and 70s as a metallurgist.

Born in Cleveland in 1924, he lived in California from age 9. Growing up in Oakland, Art attended UC Berkeley, receiving a BS in Chemistry in 1947 and an MS in Metallurgy in 1958.

He worked for Colgate as a chemist before joining SRI in 1962 as a Metallurgist in the Material Sciences Division. He left in 1969 as an Aerospace Materials Specialist in the Management & Systems Sciences Division.

From 1975 until 1978, he again worked at SRI as an Electrochemist, later as a Research Associate, in the Physical Sciences Division.

Later, Art served as an associate professor in the Materials Engineering Dept. at San Jose State University before retiring in 1991.

Art was active in community affairs in Palo Alto, starting with the Barron Park Neighborhood Association in 1964, and including service on several blue-ribbon committees.

He leaves no immediate survivors.

Jack Chown

John Blair (Jack) Chown died on December 28 after a long battle with Alzheimer's disease, at age 77. Jack had worked at SRI from 1954 to 1992. He was the Director of the Electromagnetic Sciences Lab in the Systems Technology Division at the time of his retirement.

Jack was educated at Glendale (CA) College and at USC, where he received a BE degree in 1951. He did graduate work at UCLA in physics and missile systems. He joined SRI in 1954 as a Research Engineer in the Electromagnetic Sciences Lab, from which he retired as Director exactly 38 years later.

He lived in Los Altos Hills since 1965. Jack was a versatile handyman, as well as an avid traveler. In 1960, he and some SRI friends started Ridge Winery, one of the earliest and most successful of the boutique wineries. He enjoyed making and drinking good wine, and even made the sparkling wine for his daughter's wedding reception.

Survivors include his wife of 55 years, Ramona Sue; children Nancy and Tim; and four grandchildren.

Bill Hurley

William "Billy" Hurley died on December 26 after a long illness. He had worked at SRI from 1988 through 2000. When he retired he was a Principal Security Specialist II in Security Services.

No further details are available to us.

Walter Johnson*

Walter Herbert Johnson died March 23, 2005 at age 80. He had worked more than 30 years at SRI, primarily in Fire Research.

Born in Alhambra California, on November 22, 1924, Walter was working at JPL in Pasadena when he met and married Elaine Grace Chappell. Walter and Elaine moved to San Jose in 1959, whereupon Walter was hired by SRI as a Senior Technician in the Poulter Lab. Elaine also worked briefly at SRI.

Walter worked for many years as an Engineering Assistant in the Fire Research Group of the Chemical Engineering Lab. He retired in 1991, but less than a year later came back to work for another three years, retiring for good in 1994.

In his retirement, Walter enjoyed spending summers at Lake Almanor, gardening, tinkering in the garage, working on projects and supervising the projects of his children, grandchildren and great-grandchildren

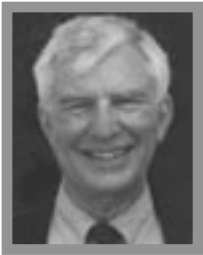
His wife Elaine predeceased him. Walter is survived by their four daughters Noel J. Birkner of Woodside, Cheryl J. Kirwin of Mt. Shasta, Jill J. Aliperti of Springfield, OR, and Wendy Johnson of Sisters, OR; eight grandchildren, six great-grandchildren; a brother and two sisters.

IN MEMORIAM (Continued)

Vance Miller*

Vance Edward Miller, Jr. died on November 21, 2004 of multiple myeloma and primary amyloidosis. He was 75.

Vance was born in 1929 in Groton, South Dakota. In 1951, he received a BS in Mechanical Engineering at the South Dakota School of Mines in Rapid City, where he was Student Body President. After a brief job at GE, Vance attended Naval OCS, where he graduated first in his class. In 1955 he was assigned to the Naval Shipyard at Hunter's Point. He later worked at Ampex before receiving a Standard Oil scholarship to the Graduate School of Business at Stanford.



After Vance received an MBA in Business Economics in 1963, he joined SRI in early 1965 as an Operations Analyst in Logistics Systems Research in the Management Sciences Division. Working on a project for the US Postal Service, Vance became known as the principal architect of the Bulk Mail Center, which centralizes processing of all parcel post

mail in a small number of automated, truck-oriented facilities across the country.

For the SF Federal Reserve Bank, he helped design systems for coin and currency processing, and was involved in the conception of the "Super Train" for containerized freight.

Vance was a Senior Operations Analyst in the Personnel & Affirmative Action Division when he left SRI in 1978. Pursuing a new career in financial planning, he became a certified financial planner and an IRS enrolled agent, and helped modernize TIAA-CREF.

In 1969, Vance and his wife moved into a new hexagonal house in the planned community of Ladera, where he became active in the Boy Scouts and several civic groups. Some of his many other interests were the Mayflower Society, native plants and green foothills, and railway history.

Survivors include Jacquelyn Harris Miller, his wife of 47 years; son Darrell Miller of Saratoga; daughters Kerstin Miller of Anchorage and Trynne Miller of San Francisco; and five grandchildren.

Lorraine Pratt*

Virginia Lorraine Pratt, who served at SRI exactly 35 years from 1948 to 1983, died recently. She was about 84. At the time of her retirement in 1983, she was the Director of the Library and Research Information Services. She was a charter member of the SRI Alumni Hall of Fame, and had most recently been living at The Sequoias Retirement Community in Portola Valley.

Lorraine received a BS in Business Administration in 1942 from Wayne University (Detroit, MI), and a Graduate Degree in Library Science in 1944 from the University of Denver.

She began as an Assistant Librarian at SRI in 1948 and became a Librarian in 1950. Lorraine was not only instrumental in building a collection of books and journals to support the staff, but she also provided services such as literature searching. There were few projects at SRI that did not include support from the library.

In 1953 she established branch libraries in Economics, Engineering, and Life Sciences to provide better local and professional support. In 1954 she established an Atomic Energy Commission depository at SRI.

Lorraine was active in the Special Libraries Association, serving as President from 1962 to 1964, and was recognized within the library community.

Lorraine's early recognition (1973) of the value of online databases as a research tool resulted in saving SRI researchers and consultants both time and money. She also recognized automation as a means of streamlining operations within the library. In 1980 she initiated a private file of 55,000 records of SRI reports on DIALOG.

Ida Richards*

Ida Louise Mowbray Richards, a 21-year veteran of various Central Staff Computer groups, died November 27, 2004.

Ida Louise Mowbray was born in 1911 in Brooklyn, where she grew up, graduated from Erasmus High School, and attended Pratt Institute. She worked at several jobs, including the NYPD, and married Noel Richards in 1948.

Relocating along with her mother to San Mateo, Ida was hired by SRI in 1956 as a Key punch Operator. Twenty-one years later, she retired as an Administrative Aide in the Central Staff Computer Services Department.

Upon her retirement in 1977, she moved back to her native Brooklyn and rejoined her former church, First A.M.E. Zion. She became active in the AARP Clinton Hills Chapter, from which she received awards of appreciation for her work as Chapter Secretary. But she kept up with many former co-workers in her "West Coast Family", and traveled and visited with a wide circle of friends.

Survivors include a nephew and a niece, two grand-nephews and three grand-nieces, and a great-grand-niece.

Judy Schmickley

Judith Lynette Schmickley, a longtime resident of Palo Alto, died in Las Vegas on November 13, 2004. She worked in many departments at SRI from 1972 until 1979. She was 66.

A native of Churdan, Iowa, Judy graduated from Iowa State University with a B.S in English in 1960. Before joining SRI, she worked for Varian Associates.

IN MEMORIAM (Concluded)

Judy began at SRI in 1972 as an Administrative Aide in the Information Sciences and Engineering Division, and later joined the Temporary Institute Assistants (TIA) before leaving in 1979. She later worked for 20 years at the Henry J. Kaiser Family Foundation in Menlo Park.

Judy sang with the Chancel Choir of the Palo Alto First United Methodist Church and the San Jose Symphonic Choir. She enjoyed international travel and the arts, including opera, Broadway, and the London theater.

She is survived by her husband of 41 years, Ronald (Ron) Schmickley of Las Vegas, Nev.

Lee Wickert*

Leatrice (Lee) Wickert died on March 20 at her home in Chico.

Although Lee began at SRI in 1954 as a Typist [remember them?] in the Economics Department, she worked in many orgs during the next 35 years and was known throughout the Institute. At the time of her 1989 retirement, she was the Client Visit Coordinator for the Business Intelligence Program in the World Business Division. Only four months later, she came back to work in Corporate Security, where she remained as a Senior Security Receptionist for more than five years.

At press time no further details were available.

Friends of the late Norm Fishman will be saddened to learn of the death of his widow Lillian on March 3 at the age of 78. She and Norm were married in 1953, and are survived by their son David of San Jose, their daughter Devora Ann Weinapple of Menlo Park, and two grandchildren.

*SRI Alumni Association Member



MORE ALUMNI NEWS

WELCOME!

NEW ALUMNI MEMBERS

The SRI Alumni Association welcomes new members:

Pernell Brice
V. Kathy Brown
Jane Cano
Jim Milliman
Chidi Obi

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

DIRECTORY ADDENDUM

The 2005 SRI Alumni Membership Directory, mailed out in January, now has some new and newly renewed members. The enclosed addendum sheets may be added to your Directory.

RECRUIT A MEMBER

How often do you meet other SRI Alumni who have not yet joined the Alumni Association? Tell them about it! Enclosed is a postcard that you can keep in your pocket and give to an interested candidate for membership. If each member gets a member, we can double our membership!

NOTE OUR NEW e-mail ADDRESS

We have a new e-mail address: *alumni@sri.com*. We have also arranged for incoming mail to be forwarded to several members of the Steering Committee, so that you may receive a more prompt reply.

THE NEWSLETTER IN FULL COLOR ON THE WEB!

Soon we will be posting the SRI Alumni Newsletter in full color on the Web! Let us know if you would like notification by e-mail when each new issue is available on the web. Just send a note to *alumni@sri.com* with the subject: **NL Notification.**

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