The Fall Reunion on October 3 went very well! Sopie Essabhoy led the effort this year and did a great job. She offered to handle the food arrangements again next year. Boyd Fair has agreed to serve as Chair of the Events Committee and will lead the planning for the Spring Picnic and the Fall Reunion in 2003. The list of the reunion attendees has been posted on our website by Mike Wilber for those who are interested. If you are not online and want to view the list, perhaps you could ask a friend.

Three persons were added to the Hall of Fame: Paul Jorgensen, Mike Frankel, and Donn Parker. Mike Wilber has also posted on the website all the Hall of Fame citations to date.

The reunion program included a talk by John Prausa on the programs of the Systems Development Division. The Division had a let down in the wake of September 11, but has fully recovered. SRI as a whole is having a good year, but there are still several periods to go.

The effort to help reduce SRI's power usage is moving along slower than expected, but there is definite progress. We are working with SRI Facilities to determine what hardware changes would be beneficial; we are also working to complete an attractive and stimulating notice to encourage staff to turn off lights, computers, office equipment and experiments when not in use. We will have more to report in the next newsletter.

We have added a forum section to the website for posting notes or articles members want to share. Keep watching this space for details.

We think it would be interesting to know what the members are doing. If you would be willing to tell us about your activities, please write or send them by email.

The Steering Committee wishes you a very pleasant holiday season and a very good New Year!
The October 3 reunion attracted some 165 alumni and guests, who enjoyed a hot buffet and champagne provided by the SRI Credit Union. (Thank you SRI-FCU!!) As they approached the door of the Exhibit hall, alumni were greeted by the Institooters, and each preregistrant was given a customized name badge provided by the SRI Security Dept. With a background photo of one of SRI's oldest buildings, it made a colorful souvenir!
New members of the Hall of Fame were inducted at the Reunion. [See details in the leaflet enclosed with this mailing.] Mike Frankel was hard at work in Washington D.C. on his new assignment and was not present.

One of the features of the 2002 reunion was a display of some 20 wedding and youth photos of alumni, organized by Donn Parker. There wasn't room on the corkboard for them all! Attendees were invited to guess their identities. People were good at bringing photos but poor at guessing. Only six alumni looked enough like they did at 20 to be identified. What does that tell us about aging? Donn Parker has been left with possession of several of the photos without the identity of the people who failed to take them home with them. If you are one of the forgetful ones, contact Donn at donnlor@aol.com or call 650-948-9039.

Helping to make a reunion a success were Sophie Essab hoy, Joyce Berry, Lucy Steelman, countless other volunteers, and photographers Tom Anyos and Don Cone.
THE INTERNATIONAL FELLOWS PROGRAM

by Earle Jones and Gordon Parker
(edited by Bob Schwaar)

In the early 1950s, only four or five years after SRI was established, a new program was initiated, under which SRI Labs and Centers could invite researchers from overseas organizations to come to Menlo Park for a year and work with our staff on projects. Almost no restrictions were placed on the type of organizations or the geographical areas they represented. The home organization of the visiting researcher paid all of the expenses for the visitor, including salary, travel, and living expenses for the duration of the stay. Many universities and both government and commercial research institutes sent their young staff to Menlo Park to be trained in our research methods. Later commercial companies began to take advantage of the program. Many companies set up sponsored programs under which their researchers would work on projects alongside SRI staff. The program started slowly but quickly grew in popularity.

Between 1950 and 1956, about a dozen International Fellows came to Menlo Park. One of the earliest was Werner Schruffer from the Institute for Food Technology in Munich. He spent a year working with the food group in Physical/Life Sciences. Fernando Guerrero from the Banco de Mexico spent some time working with our engineering group in the early 50’s. Shortly thereafter came Jacques Bizot from Electricité de France in Paris; David Tabor from Cambridge University; Armando Malaque from the Philippine National Economic Council in Manila; Jean-Pierre Cornaz of the Swiss Federal Institute of Technology; Kenneth Alexander of the Commonwealth Scientific and Industrial Research Organization of Australia, and many more. Most of these Fellows worked in Sciences or Engineering.

In 1954 we welcomed a young researcher from Italy — Lorenzo Franceschini. “Larry” became the first Fellow in Economics/Management Sciences. Larry had met Hoot Gibson when he was working on a project for the Italian machinery maker Franco Tosi. After his stay in Menlo Park, Larry was retained by SRI to represent us in Milan. For some years, he paid a pittance, but the arrangement became formalized and Larry became the Director of our Italian office in Milan. In 1962 his wife Claudia became half-time secretary in the Milan Office, but Larry was recognized as an SRI employee only in 1976. His varied but erroneous listings in the SRI phone book over the years have become a source of amusement. Claudia left in 1977 to become a fulltime mother, but Larry stayed on until 1982. Stories of his escapades live on after him and could fill many columns.

In the late 1950s, Dr. Ephraim Frei, a well-known scientist from the Weizmann Institute of Science in Israel joined the Computer Science Lab in Engineering as an International Fellow, working with Jack Goldberg and his staff.

In the 1960s and 70s, the program continued its growth. The first Japanese fellows, including Mr. Azuma from Asahi Chemical Company, started to arrive in 1960. Since 1960 we received more than 235 visiting fellows from Japan, more than from any other country. The Japanese Fellows even have their own alumni group [see sidebar].

The single organization that sent the greatest number of International Fellows to SRI was Nomura Research Institute of Japan. In the late 1950’s, Japan’s largest securities firm, Nomura Securities, wanted to expand their research capabilities and decided to establish a research institute more or less modeled on SRI. Nomura Research Institute was formally established in 1965, though the securities firm began sending future NRI staffers to SRI as IF’s in 1962. In the following years to about 1979, 22 NRI staff members spent 6 months to a year at SRI as International Fellows. Many of them have risen to senior management positions in NRI, which, merged with the National Computer Center, has become one of the largest and most successful research organizations in Japan.

Since the early 1950s, we have had visiting fellows from these 36 countries: Argentina, Australia, Austria, Belgium, Brazil, Burma, Canada, Chile, Colombia, Czechoslovakia, Denmark, Finland, France, Germany, Greece, Iceland, India, Iran, Ireland, Israel, Italy,
Japan, Korea, Mexico, Netherlands, Norway, Philippines, Peoples Republic of China, Romania, Saudi Arabia, Spain, Sweden, Switzerland, Taiwan, United Kingdom, and Venezuela.

Among the groups that hosted International Fellows, PEP, the Process Economics Program, was one of the most active, with two or more Fellows in residence almost continuously for more than 30 years. In fact, as a multi-client program with 80-100 clients, PEP offered clients the perk of being able to send a Fellow to Menlo Park for a year. Japanese clients especially took advantage of this opportunity [see sidebar].

The SRI International Fellow program was very successful for the visiting professionals because they were given the opportunity to work alongside our professionals, learning not only new science and technology, but also research planning, organization, and methodology. The program has been equally successful for SRI. These young researchers, selected by their home organizations for special training, frequently returned to become fast-track individuals within their own organization. Today, almost without exception, the fellows look back on their time at SRI as a very positive experience. As they continued to grow in their own organizations, they encouraged their colleagues to visit SRI. As they became more senior executives, many began to establish projects at SRI and to post their junior staff here as International Fellows.

SRI researchers enjoyed the opportunity to meet and work closely with intelligent young professionals from all over the world. This program has help make us truly SRI International.

A Japanese International Fellow in the Process Economics Program

In the 1960s and 1970s, Japanese clients of PEP sent Fellows to Menlo Park in a steady stream. The clients were engaged in the chemical, oil, or engineering and construction business. Most Fellows were chemical engineers, and they relished to opportunity to study applied process design and economics with experienced process engineers. They also improved their English language skills and got to know the California way of life. Other professional experiences, such as technical society meetings, were also available.

Bob Schwaar recalls that Tohru Yamada came from Niigata Engineering in the mid-70s and worked under his mentorship. "When I told him that I would attend the AIChE's annual meeting in Chicago in December, he obtained permission from his company to come too. I warned him that it would be cold, and I arranged to lend him an overcoat, gloves, scarf, and a warm cap. He wanted to take the train so that he could see the country, even though I told him that it was a 50-hour ride, and he wouldn't see much at night. He persist. I took the plane. In Chicago, we stayed at the Palmer House, where the meeting was being held. When I got there, he had not yet arrived. He turned up later, tired and hungry—the train had been held up for nearly 10 hours in Nebraska with little heat and no food!

"We both found the technical part of the conference rewarding. Tohru said that it was unlike anything he had experienced in Japan. The first morning, we went across the street for breakfast, even though it was snowy and the temperature was about 10°F outside. The next morning he asked, 'Could we just eat in the hotel this morning, please?' So we did from then on. The outdoor temperature never rose above 16°F during the four days we were there. But Tohru bundled up one free afternoon to walk two blocks to the Art Institute, which he proclaimed a most worthwhile visit.

"Tohru took the train back uneventfully. As he returned all the winter garb to me, he said 'I have never been so cold in my life!'"
An International Fellow writes:
Seiji Azuma, retired Senior Managing Director of Asahi Chemical and President of Asahi Chemical International Co., heads an organization of more than 220 former SRI International Fellows in Japan. He recently reminisced about his experience as an International Fellow:

"I enjoyed my life in Menlo Park in 1961-1962 as a First Generation SRI International Fellow from Japan. Although I wished to study in the USA, I was not interested in studying at a university; I was interested in the practical research work at SRI. I applied for a fellowship, and was pleased to be accepted by SRI President Dr. Finley Carter and by Hoot Gibson, Vice-President.

"SRI had a fine Chemical Industry Economics group; Dr. Bill Surpren was the manager and his bosses were Ed Robison and Joe Lovewell. Casey Cogswell, Jim Selover, Bill Penn and Roy Glauz were members of the group. I joined the project work of the group and learned a lot from these people—more than I could have learned at a university.

"SRI paid me $300 a month and it was enough for me and my wife. We were just married. I rented a furnished apartment on Laurel St. near SRI for $100 a month. In those days, SRI had old cars and they offered me a 1949 De Soto for $1. My wife and I could enjoy a nice California life with that car. I gave back the car when I left, and they returned my dollar bill.

"Whenever I explain about SRI to Japanese people, I say SRI has the best professional people with an excellent academic and business background in a wide range of scientific fields. SRI International Fellows can learn a lot through teamwork with SRI professionals. In many cases through the business oriented project works at SRI, the company staffs can get better training at SRI than at a university. SRI International Fellows have good access and opportunities to learn from and to exchange with professionals of other scientific fields. In my opinion, SRI is the Treasure Island of Human Resources, which any client can exploit for their benefit.

"We have now an SRI International Fellows Club of Japan with more than 220 members. I have been serving as President of the Club. We promote net-working and we exchange information with SRI people. Japanese members are fine professional people. I think it may be worthwhile for SRI people to get information or professional opinions from them. Taking opportunities of the visit of important SRI people, we get together once in a while and have parties with such visitors from Menlo Park."

CORRECTION

The wrong picture appeared on the lower left corner of page 6 in the August 2002 issue of the Newsletter. Here is the correct picture. We apologize for the error.

from left to right: Mitsuko Nishiguchi, Seiichi Yoshizawa, Tom Teshima and Mr. Toshio Nakada (the guest speaker). Photo by Jun Shimosato

The correct caption for the picture that was printed in error is:

from left to right: Osamu Kamatari, Masa Tashiro, Haruo Taneno, Shinichi Ogata, Hisatsoshi Yamamoto and Mitsuko Nishiguchi.
ALUMNI AUTHORS

We're pleased to report that alumnus Dave Brown and his wife, Sally, have written A Biography of Mrs. Marty Mann: The First Lady of Alcoholics Anonymous. Published by Hazelden (Center City, MN) last year, it has received excellent reviews and is already in a second printing.

Marty Mann was the first woman to achieve long-term sobriety in Alcoholics Anonymous, and went on to found the National Council on Alcoholism. A public health pioneer, she preached that alcoholism is a disease and thus an issue of public health, not morality, and thereby revolutionized America's attitudes toward alcoholism. She was active in the field from 1944 until 1980.

This first biography of a remarkable woman is also a wonderful love story. Her lifetime partner of 40 years was Priscilla Peck, art editor and art director of Vogue magazine.

As a result of this new biography, Marty Mann has been nominated to the National Women's Hall of Fame, and a movie script is in preparation. The book has won the Gold Medal of the Bay Area Independent Publishers Association for best overall book, best biography, best cover, and best printing and interior design.

Dave and Sally have been speaking on Marty Mann before a variety of groups, using a Power Point presentation that they developed from their carefully researched biography.

ORAL HISTORIES FROM THE SRI ALUMNI ARCHIVES

Your Archives committee, chaired by Don Nielson, has been busy during the last few years. In addition to sorting thousands of documents, they have interviewed some of our more illustrious alumni, taped the interviews, and transcribed them. Among these oral histories are:

Bill McGuiggen, interviewed by John Lomax
Ralph Krause by Steve Miller
Oswald "Mike" Villard by Don Nielson and Taylor Washburn
Ray Leadabrand by John Lomax and Don Nielson
Ray Vincent by John Lomax
Bruce Graham by Elmer Reist.

In addition, Bob Vaile, Coye Vincent, Tom Passell, Fred Sauer, Ed Kinderman, Sam Taimuty, and Sylvan Rubin were all interviewed by Steve Miller and Phyllis Dorset.

There are also tapes of biographical histories, autobiographical histories, and topical interviews by Don Nielson.

Would you like to participate in this ongoing project? Would you like to leave your view of SRI history for posterity? Contact the Archives Committee!

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Write to us and tell us what YOU have been doing in your life after SRI. Send e-mail to the Editor at schwartz@pacbell.net

CONGRATULATIONS!!

Curt Carlson, SRI’s president and CEO, was one of four people awarded Worcester Polytechnic Institute’s Robert H. Goddard Alumni Award for Outstanding Professional Achievement for 2002. He was cited for his national and international renown and for his technological and entrepreneurial acumen and leadership.

David Cooper, an expert in optical physics and laser spectroscopy, and Larry Toll, who studies the pharmacology of drug abuse, were named SRI Fellows for 2002.

John “Matty” Mathieson, director of SRI’s Center for Science, Technology and Economic Development, was given SRI’s Mimi Award for his extraordinary mentoring abilities and keen sense for effective team building. The Mimi Award is the highest recognition offered to staff members who have fostered the personal and professional growth of their co-workers.
Current projects at SRI are summarized on The SRI Digest, an e-zine, at http://www.sri.com/news/digest/. Each short article contains references to more complete information. Headlines from the current issue include:

* LIFE SCIENCES NEWS: DARPA releases BioSPICE software; Pathway Tools grant from NIH; Sun’s grant for BioCyc, New NCI contract
* EDUCATION NEWS: Handhelds in the classroom: Fulbright scholar study; NSF grant for software development by undergrads
* TRANSPORTATION NEWS: Study conducted for FAA; SRI at “Convergence 2002” auto electronics show
* U.S. ARMY NEWS: Win-T and CECOM contracts; DFIRST demo’ed at Army National Guard training center
* STAFF NEWS: Read about recent awards

EVENTS: Meet us at upcoming conferences and shows

Here are some other projects, with descriptions excerpted from online press releases on the SRI Insider:

**Smart Pebbles™ Warn of Impending Corrosion in Bridge Decks**

SRI International is working with CalTrans to develop chloride threshold sensors called Smart Pebbles. These wireless micro-sensors, literally the size of a pebble and of similar weight, can be embedded in bridge decks to monitor chloride migration into the concrete. This information is important in prioritizing steps to protect the underlying steel reinforcing bars from corrosion. The pebbles can be embedded into existing bridges or into decks as they are poured. A vannounted reader could then drive past the sensor to obtain its chloride-threshold data.

Other applications of micro-sensors include monitoring temperature, motion, or cracks in buildings, aircraft, or packaging. They can be used to sense tire pressure and temperature on vehicles, temperatures in ovens, including medical sterilizers. They can be used to monitor decomposition of chemicals, pharmaceuticals, or food on druggists’ or grocers’ shelves. They can monitor soil moisture, pH, or salinity in gardens or farms.

The first prototypes are under construction. SRI is seeking an industrial partner for technology licensing to mass-produce these devices.

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**PatchWorx Cheers Young Patients**

PatchWorx™, a nonprofit, online community for young people facing illness and disability, received a three-year, $426,000 grant from the Department of Commerce’s Technology Opportunities Program (TOP) to create a “Circle of Support Across America.”

“More than a half-a-million children in the U.S between the ages of 5 and 18 suffer from a critical illness or a serious disability. Many are isolated and alone because they are hospitalized or home-bound and feel that only other youngsters facing similar challenges understand,” said Teresa Middleton, PatchWorx president. PatchWorx's online community, at www.patchworx.org, enables children to feel safe and secure to reach each other across the barriers of distance and disability to provide social and peer support, help develop coping skills, find information, and become more pro-active patients.

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**NSF Education Grant to SRI**

The National Science Foundation (NSF) has awarded SRI International a $3.2 million grant to investigate the critical factors that will enable undergraduate students in education and computer science to play key roles in the creation of high-quality educational software for children in grades K-12. The project is called TRAILS (Training and Resources for Assembling Interactive Learning Systems).

To help train the undergraduate students, the TRAILS project will design course modules, publish on-line resources, and recruit experienced mentors. Starting
in Fall 2003 at Stanford University and the University of Colorado at Boulder, students from both education and computer science disciplines will work as teams to develop prototype educational software and pilot its use in local K-12 classrooms. The Math Forum at Drexel University, one of the world’s largest mathematics Web sites for K-12 students and teachers, will publish selected software created by TRAILS students.

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New Loudspeakers

SRI International engineers, led by Roy Kornbluh, have created speakers made of a thin sheet of silicone or acrylic copolymer coated on both sides with “electrodes” and stretched over a frame. When an electric signal is sent across the sheet, the electrodes cause the silicone to contract or expand and create sound waves.

The materials used can be made transparent. Test units demonstrate good sound pressure output and good fidelity at frequencies from 1.5kHz–20kHz. However, the speakers require augmentation in the lower frequencies as well as custom low-current, high-voltage amplifiers. Kornbluh says, “It will require another year or two of acoustic fine-tuning before SRI’s speakers can match today’s high-fidelity speakers.”

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U.S. Golf Economy Put at $62 Billion, says SRI Report

The U.S. golf economy accounted for more than $62 billion worth of goods and services in the year 2000, according to SRI International’s Peter Ryan, who presented a report at the GOLF 20/20 annual conference in St. Augustine, FL. The World Golf Foundation sponsored this first-ever estimate of the overall scope of the golf economy to provide a framework for monitoring the long-term growth of the industry.

Over the past 15 years the golf industry has grown substantially, far outpacing inflation. Golf industry sales, at $62 billion, are greater than those of either the motion picture and sound recording industry or the amusement, gambling, and recreation industry, according to government census data.

A multidisciplinary team of researchers from SRI’s Economics and Organizational Development practices conducted the study under Matty Mathieson, director of SRI’s Economics Practice. The complete report that includes detailed methodology, estimates, and references is available at http://www.golf2020.com/

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IN MEMORIAM

Richard Walter Becker

Richard Becker, 64, died on October 26 after a long battle with throat cancer. A native of Nebraska, he received degrees from MIT (1957) and an M.S. in mathematics from the University of Illinois. He joined SRI in 1964 as a Research Psychologist in the Operations Analysis Department, and was later a Senior Research Psychologist in the Electronics & Bioengineering Lab. After he left SRI, he became an independent consultant, then joined Apple Computers in 1988. He later worked at VM Labs as a Senior Software Engineer.

He is survived by his wife, Janice, his daughter Stacey Snevely of San Jose, and his son Gregory of Mountain View.

Marion Atkinson Fox

Marion Fox, 79, died at her home in Palo Alto on October 16. A native of Bridgeton, NJ., she was educated at the Women’s Seminary in East Northfield, Mass. Marion joined the OSS (later to become the CIA) and was assigned to Berlin, where she met Osmon Fox, an American serviceman, in 1946. They were married 10 weeks later.

When they moved to Palo Alto in 1955, Marion joined the Economics Research group at SRI as a secretary. When she retired from SRI in January 1986, she was the Senior Classified Visit Coordinator in the Security Services Division. Marion and Osmon—by then a retired manufacturing engineer—enjoyed traveling the world. They ranged as far as Bhutan, but their favorite destination, for its variety, was France.
Bruce Graham died at home on May 27. He was 85. Born in Nebraska, he studied at Monmouth Teacher's College in Monmouth, Illinois, and taught in Oregon for 6 years before he took up graduate studies.

After receiving his Ph.D. in chemistry in Oregon, Bruce joined Eastman Kodak in Rochester, N.Y. He also taught chemistry at the University of Rochester. Bruce came to SRI in 1952 as a senior organic chemist. He soon became head of the organic chemistry section and was instrumental in getting contracts with the National Cancer Institute to synthesize new anticancer agents. He suggested the formation of the Life Sciences Division and brought in key people to carry on the work of cancer drug development. Bruce was a charter member of the SRI Hall of Fame. He was serving as an assistant to the President when he left SRI in December 1965 to become the founding president of Gulf South Research Institute in Louisiana. In 1970 he left to start his own consulting company, RADIUS, in Washington, D.C. After running it for 11 years, he retired in 1981 and returned to the Bay area and to his old home in Los Altos.

He is survived by his wife Judy, four children, fifteen grandchildren, and two great-grandchildren.

Nevin Kay Hiestert

Nevin Hiestert died on September 15 after a long battle with Parkinson's disease, later complicated by Alzheimer's. He was 82.

Born in Indiana and raised in Seattle, he graduated from the University of Washington in 1941 with a B.S. in chemical engineering and a commission in the U.S. Army Artillery. He later transferred to the Army Air Corps, served in Italy, and left the service as a major. He married Audrey Stewart, whom he met at an officer's dance in San Francisco, in 1944.

After the war, Nevin earned a Ph.D. in chemical engineering at Berkeley and joined SRI in April 1949 as employee #91. He began as an Associate Chemical Engineer and rose through a series of technical and management positions, to retire in Sept. 1984 as Associate Director of the Business Intelligence Program.

The Hiesters moved to Portola Valley in 1960. During their 16-year residence there, Nevin led the fight to incorporate Portola Valley and retain its rural flavor. He was the town's first mayor and served on the Town Council with Sunset's Bill Lane, who recalls his leadership during the 1960-1972 period: "Nevin was a wonderful leader; he got along with everybody."

Nevin is survived by his wife Audrey, son Stewart, daughters Harriet Girdley and Hillary Swartz, sister Harriet Heckman, and a grandson.

John Stevens

John Stevens, 76, died on October 27.

After graduating from the University of Montana, he joined SRI in December 1952 as a technician in the Engineering department. He also received degrees from Stanford and Pepperdine. By the time he retired in February 1987, he had risen to be an assistant to the Vice President of the Advanced Technology Division.

In retirement, John pursued his interest in railroading, and was a member of the Nitty Gritty Narrow Gauges and the National Model Railroad Association.

Survivors include his wife Dolores, his son William of Edinburgh, Scotland, and two granddaughters.

Joe Teresi

Joseph D. Teresi, 86, died on August 8, 2002. He was born in San Jose in 1915 and received a B.S. in Chemistry from San Jose State in 1938. After receiving a Ph.D. in Chemistry from Wisconsin in 1943, he joined the Manhattan Project and worked at the University of Chicago and the Oak Ridge National Laboratory.

Joe came to California in 1947 to teach at Stanford and in 1951 he moved to the National Radiologic and Defense Lab in San Francisco. His specialty was radiation safety and radiation health effects, fields in which he published numerous papers.

He joined SRI as a Senior Biochemist in June 1969. Two years later, he returned to Stanford, then moved to General Electric, where he retired in 1980.

Joe is survived by his wife of 55 years Margaret, a son and five daughters, six grandchildren and a great-granddaughter.

Bette Montgomery Vincent

Bette Vincent died as a result of an auto accident that also claimed the life of her oldest son, Dr. Robert Vincent.

Bette Montgomery was born in Picher, Oklahoma. She moved to California with her parents and sister during the "John Steinbeck" times of the Great Depression. She attended schools in San Jose and San Mateo and after graduation from San Mateo Junior College, she was employed by the Marine Corps in San Francisco during World War II.

From 1952 to 1955 Bette worked at SRI in the Physics Department as a receptionist, report typist, secretary to visiting scientists, and secretary to department heads. At SRI she met and married Coye Vincent. They lived in the same home in Los Altos until their recent move to Maryland.

Survivors include her husband, Coye, of Forest Hill, Maryland; a son, Dr. John Vincent of Jarretsville, MD; a daughter, Lisa, of Fair Oaks, CA; a grandson; and two granddaughters.