



**alumni**  
association

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## APRIL 2007 NEWSLETTER



### MESSAGE FROM PRESIDENT BOYD FAIR



*Boyd Fair*

Spring has arrived and you all know what that means. It is time for our annual SPRING FLING! This year, we, your Steering Committee, have decided to try something a little different. Our event chairman, Tom Anyos, has arranged a “special” private tour of the National Ignition Facility at the Lawrence Livermore

National Laboratory. HOWEVER, space is limited, so we must go on a first-come, first-served basis. So sign up early if you wish to attend. See the enclosed flyer for details.

Our membership continues to grow and we remain financially strong. We now have 478 active members, but with some 25,000 or so folk who have passed through SRI over the years, there are still many folk who are not members of this elite organization. If you know someone who has worked at SRI in the past who is not a member of the Association, grab them by the arm, twist it a little, and get them to fill out the membership form on the web. Or drop us an e-mail and we will do the rest.

We are also looking for other alumni events that you, the membership, might enjoy. If you have any knowledge of possible events, or a burning desire to do something with the group, drop us a note and let us know. Because we are here to serve you, we are

always interested in hearing about what we are doing right and how we might make the organization more responsive to your needs and desires. Don't be shy – get involved!

In this issue of the Newsletter, Bob has put together some articles about the interesting work done in the past at SRI. We hope you will find them interesting and that they will bring back good memories of your time at SRI.

There are also several interesting personal notes about some of the alumni. Several of the members have taken the time to let us know what they are doing with their “free time” and we hope you enjoy hearing from them. Let us know what YOU are doing so we can tell the others in the group. We are always open to receiving a short note, pictures, or notices of your special activities now that you have moved on to other things.

As always, SRI continues to be a world leader in research. Read about some of the current projects and new undertakings by the “toot” as they expand their staff and activities, and become more involved in community activities.

I hope you enjoy this issue and I look forward to seeing 74 of you (75 is the limit less one for ME) at the 2007 spring event. It should be very interesting.

---- Boyd

## 2007 SPRING FLING

### A Bus Trip to Visit the National Ignition Facility (NIF) in Livermore May 16, 2007

The National Ignition Facility (NIF) is a high-energy, high-power laser research facility located in the Lawrence Livermore National Laboratory (LLNL) in Livermore, California. The facility's main roles are the exploration of inertial confinement fusion and exploring the science underlying high energy density and nuclear weapons for the United States.

We have obtained permission to bring a tour group, limited to 75 persons, to this one-of-a-kind world-class facility. We will be able to see the 192 lasers that are focused on a single target smaller than the head of a pin.



The Spring Fling's Agenda is even more exciting: we will meet at SRI at 10 am and travel by private buses to the Livermore Wine Country, enjoy a picnic lunch on the grounds of a local winery, and then rejoin the buses to the NIF. The NIF tour takes about 1 ½ to 2 hours. We will then return to SRI.

As the NIF is a secure area, security regulations will apply. No cameras of any kind. All members of the tour group will need to provide social security numbers and be badged. We will take the necessary steps to ensure that this process proceeds smoothly.

Please look for details on the registration materials on page 16. **Register now—first come, first served!**

## HISTORY

## CORNER

43  
Years  
Ago..



Remember when we thought that this electro-mechanical wonder was the latest word in desk-top computing?  
It sounded terrific, and it was more accurate than a slide rule. This Monroe IQ-213 could even extract square roots.  
All for only \$1100 new!

## HISTORY CORNER (Continued)

### SRI's Economics Division Remembered

by J. William (Bill) Waters

From its earliest days SRI's Economics Division busied itself coming up with information and strategic advice for its clients. Much of that work had to do with the unexpected challenges companies faced in coping with the world's fast-changing economic and social environments. Key forces to be examined usually included technological change, societal transformations, and competitive struggles.

My initial preparation for tackling such assignments was acquired in Detroit where I had worked for seven years before joining SRI. Chrysler Corporation's headquarters had installed its first industrial computer in the mid-1950's. That step led them to hire six new professionals whose job it was to figure out how the company could benefit from the data that was then becoming available from that enormous computer.

I ended up becoming Chrysler's Corporate Director of Market Research & Planning--with a staff of about twenty people. (The other five candidates had moved on to other occupations.)

As the whole world now knows, Detroit's "Big Three" automakers weren't then and still aren't swift interpreters of changing environments. I left Detroit because by the early 1960's none of Chrysler's upper management paid any attention to the reports and presentations that came from its HQ research department.

But fortunately that department's library had subscribed to SRI's Long Range Planning Service--which led me to apply for a job at the Institute. Simply said, what I learned in Detroit would become useful in Menlo Park.

Here are capsule descriptions of a few of the challenging projects I was involved with during my thirty years in SRI's Economics Division.

--John Deere hired SRI to examine their farm equipment dealer system to find out how that network should

be changed to accommodate what was happening in America's farm belt. Farms were getting larger and better-equipped, rural roads were being improved and a nationwide freeway system was going to be built. Deere continues to thrive--now they're even hustling small (green) tractors for residential customers who have large lawns to take care of.

--Bill Hewlett wanted to know what financial officers and accountants would pay for HP's pocket-size scientific calculators. HP already knew that engineers and academic scientists would pay big bucks for them. Our brief survey revealed that financial executives didn't want to pay more than \$100 for HP's calculator back then. HP didn't like the results of that survey.

--Healthcom, an eastern drug chain, hired SRI to find out what the specific advantages would be if their pharmacies were equipped with small computers to speed up prescription services. A special SRI team equipped one Ohio drugstore with movie cameras positioned to record exactly how much of their pharmacist's time was spent with customers rather than with their many other chores. Our client began equipping its pharmacies with computers, and the major drug chains followed suit soon after.

--Brunswick, the bowling company, needed help in figuring out how to handle the physical transformation of the bowling alleys their trade customers operated (i.e. most were locally owned). Were the traditional hand written score-sheets an important part of the game's culture? Would bowlers gladly accept the new score-keeping technology Brunswick was getting ready to produce? [Today's bowlers probably don't know that scorekeeping used to be done by hand.] In the end, I wound up having more consulting assignments with Brunswick than with any other client--and I don't even know how to bowl

--Marcona Corporation, a San Francisco-based operator of a growing fleet of sea-going bulk commodity carriers (used in shipping iron ore, crude oil, grains, etc.) asked SRI to find out what the future global opportunities would be for bulk commodity shippers over the next decade or so. That assignment included preparation of

## HISTORY CORNER (Concluded)

an atlas depicting the global results of the study. I loved designing that atlas and I even had an opportunity to visit one of my client's huge bulk commodity ships when it was docked in the Bay Area.

--Most of my consulting involved working for U.S. business clients. And most of those clients were located in the Midwest. But when the Japanese auto companies started to locate assembly plants in the United States, SRI's Tokyo office helped the Institute become a major supplier of advice. I was the project leader for the work that was done for Mitsubishi Motors, and I began travelling to Asia--Japan, South Korea, and Singapore. Very few senior officers in Japan's auto industry spoke English and each of the Japanese automakers had a different list of priorities they wanted SRI to emphasize. (Mitsubishi ended up locating its U.S. auto assembly plant in Normal, Illinois--a little more than 100 miles southwest of Chicago--well within the Midwest region we recommended they consider.)

During my entire 30 years at SRI I led or participated in about eighty separate projects. The majority of them had nothing to do with automobiles. But during the last decade of my service I designed and launched "SRI's Automotive Planners Handbook"--which I was able to sell to most of the world's major auto manufacturing companies. That handbook--inspired by the success of SRI's Chemical Economic Handbook--was maintained as an SRI offering for several years.

My 30 years at SRI let me work on a great variety of assignments. What a way to make a living! I can't visualize any other job that could have been better.

-----  
*Bill Waters worked as a Senior Consultant in the Economics Division of SRI, and during mid-career moved into the Mechanical and Electrical Industries Department. During his thirty years at SRI Bill's project cohorts included people like Fred Weil, Phil Umboltz, Norman Stoller, Arnold Mitchell, Ken Beggs, Betty Adams and Ed Robison--who hired Bill in 1962.*

### Oral Histories

Warren Hegg (SRI 1979-1991), chair of the SRI Alumni Hall of Fame selection committee, has proposed an Oral History Project, to preserve the first-hand memories and reflections of as many of our Hall of Famers as possible while they are still among us.

The process would include videotaping interviews with the Famers and then producing short 5-minute "digital stories" about the defining moments of their SRI careers.

The completed stories could be placed on the SRI Alumni web site and perhaps shared on a touch screen in the main lobby. The oral history interviews would be archived by the Alumni committee and made available to other museums and libraries.

After leaving SRI, Warren founded a nonprofit group called the Digital Clubhouse Network ([www.digiclub.org](http://www.digiclub.org)) that could assist in this project.

The DCN mobilizes youth in service learning projects that benefit their community and has received a lot of media attention and professional recognition over the past 10 years, including three medals from the Smithsonian.

The proposed SRI project would help document an important part of local history, and put a human face on the work of the Institute over the past 60 years.

If you are interested in learning more about this proposed project, please contact Warren at [warren@digiclub.org](mailto:warren@digiclub.org), or 408.857-5252.



## ALUMNI NEWS

### What are they doing now?

**Emory Bator's** membership renewal came with this note:

"11/27/06 - In your April 2006 Newsletter you commented on early I.D. numbers! My I.D. number is #13. Few of you will remember me. I was 96 years old last August 3 and live now at the Timber Ridge in Eureka, CA just in case you're interested.

Emory Bator"

*Emory was hired as Chief Accountant in 1947 and retired as Treasurer in 1973.*

A Note from **John Ames**:

"This is just a note to bring you and anyone I knew that is still in the Radio Physics or Remote Measurements Labs up to date on my activities 10 years after leaving SRI.

"First, I would like to thank you all again for the retirement gift of a set of cross country skis. I used them Friday [2/23] when we had an unusually heavy snow here in Ashland, Oregon. Mostly, though, I ski on the downhill runs at Mt. Ashland. The skiing here is great. Mt Ashland is a small area, but has plenty of challenging runs. A season pass is \$19 when you reach 70. [<http://www.mtashland.com/SectionIndex.asp?SectionID=14#Grooming>] My neighbor and I go up early, ski until about noon, then come home; about a 30 minute trip. This morning we had half a foot of new powder.

"I am about half through building my dream house in the hills near here. The house is only half finished because we only started building last summer. I have spent the time since we moved up here in 2001 preparing the site with forest thinning, road building, and utility installation. I probably should have just hired someone to do all this because construction costs have increased more than I saved by doing these things myself. Oh well.

"My other outdoor activity is serving as a volunteer firefighter in the rural community where the house is located. A cosmology book group and a political philosophy group round out my spare time.

"I haven't been to many [alumni] events because I am rarely in California, but I enjoy reading about the Institute."



Alumnus **Lou Fried** wrote again recently to say that the previous item from him [see December 2006 Newsletter] did not give a full picture of his situation. Also, he does not now recall characterizing his proposals at SRI as fiction-like.

He continues ". . . I really didn't want to come off as such a stickler for the facts, or too damned proud. But I really felt strongly about the quality of work that we did at SRI and my part in it. When one of our (SRI's) short-term presidents decided to create SRIC in the image of Arthur Anderson, we had a chance to find out just how corrupt that defunct organization (AA) was. The new management of SRIC and its flood of new vice presidents did not have the ethical standard that we at SRI had developed over the years.

["When I tried to correct that situation in terms of one major client's project, I was rebuked].

"I left SRIC as soon as possible and joined Telus, one of my clients, as special assistant to the President. My job there was to manage an IT organization of 900 people during the merger of two Canadian telephone companies. Being ethical paid off!

"Thanks for listening. However, I do think that in the interest of journalistic integrity you would have said that I was director of the Computer Systems Department in ERG for two years and Vice President of Information Technology Consulting in the International Management and Economics Group for five years, and director of the ITC department. I did not spend my 20 years at SRI sitting still!

## ALUMNI NEWS (Continued)

### Lou Fried (Concluded)

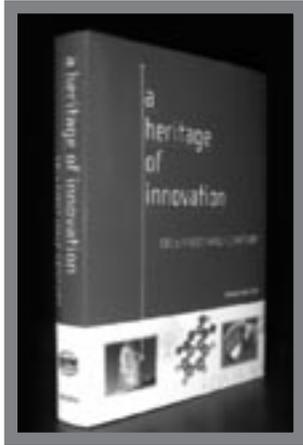
“As for my new career, my SRI alumni associates can get more information at

<http://outskirtspress.com/OtherCountriesOtherWorlds>”

*[It mentions that Louis Fried “writes fantasy and fiction that’s just a step out of sync with reality. His characters grip you with their reactions to a world that’s slightly askew.” Excerpts from some of his stories are found on his website, along with a bio.]*

### Second Chance . . .

Following the sellout of **Don Nielson’s** recent book about SRI, “A Heritage of Innovation-- SRI’s First Half Century”, a new printing has been ordered, and the book is again available. The second printing is the same as the first, with the exception of changes to a couple of stories, the addition of one picture, and typo corrections, plus the valuable addition of an index. Prices will remain the same: Kepler’s will charge \$40 plus tax; and it will be available on



*Amazon.com* for \$37 including tax, but shipping is extra.

SRI staff and alumni may purchase a copy for \$30, including tax and shipping within the U.S. The person handling SRI sales will again be

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

Send her a check, payable to SRI International. Or, if you want to pick up your copy at SRI, come to the front desk and ask for her. [Judy’s office is near the Building A receptionist.] To assure her being there, please contact her first at 650-859-4991 or at [judith.jaciow@sri.com](mailto:judith.jaciow@sri.com).

**Booker Morey**, an engineer by training and now a craftsman in leaves, lives and works in Mountain View.

When Booker was working as an engineer/consultant at SRI, he took up woodturning as a hobby. While seeking a way to differentiate his work, he saw the art of Andy Goldsworthy, the great British nature artist. Goldsworthy had stitched together canvas of real leaves and in the center had skeletonized a circle of leaves. Booker was struck by the beautiful patterns that the leaf veins made - “a fragile beauty that is normally hidden and like that of a snowflake or a spider web.” Booker was intrigued by the possible application of this technique to his art.



After much experimentation, Booker developed an etching process to expose the fine vein structure of leaves. Once they are processed, Booker colors the leaves, arranges them into artful compositions within a black shadow box and then frames them



in beautiful natural wooden frames. He uses a wide selection of leaves, including birch, aspen, and many varieties of oak and maple.

He found that people had much more interest in his leaves than in his turnings and Booker is now pursuing his craft on a full-time basis. His pieces are available from several commercial galleries; for example see <http://www/cornerstone-gallery.com/booker-morey.html>.

*Booker Morey was a Senior Technology Consultant in the Business Consulting Group from 1984 until 1996.*

## ALUMNI NEWS (Concluded)

### SRI INTERNATIONAL ALUMNI ASSOCIATION CASH FLOW / INCOME AND EXPENSE YEAR TO DATE DECEMBER 31, 2006

	12/31/06	
<b>CASH BALANCE 12/31/05</b>	<b>\$ 12,307.10</b>	
<b>INCOME</b>		
CASH INCOME FROM MEMBERSHIP DUES AND FEES	\$ 9,796.00	
DIVIDENDS (INTEREST) ON BANK ACCOUNTS	\$ 74.95	
REIMBURSEMENT OF MAILING COSTS		
SRI INTERNATIONAL CORPORATE COMMUNICATIONS	\$ 1,041.09	
CONTRIBUTED FUNDS		
SRI FEDERAL CREDIT UNION	\$ 2,500.00	
SRI INTERNATIONAL / HUMAN RESOURCES DEPT.	\$ 2,000.00	
<b>TOTAL INCOME</b>	<b>\$ 15,412.04</b>	<b>\$ 15,412.04</b>
<b>EXPENSE</b>		
<b>SERVICES PROVIDED</b>		
<b>SERVICES PROVIDED BY SRI INTERNATIONAL</b>		
REPORT PRODUCTION SERVICES	\$ 4,335.57	
POSTAGE & MAILING EXPENSE	\$ 3,494.51	
	\$ 7,830.08	
<b>SPECIAL EVENTS</b>		
<b>ANNUAL REUNION EXPENSE</b>		
CATERING	\$ 3,182.05	
SPRING FLING OUTING - SLAC VISIT		
BOX LUNCHESES	\$ 950.22	
	\$ 4,132.27	
<b>OTHER EXPENDITURES &amp; EXPENSES</b>		
OFFICE EQUIPMENT - SCANNER	\$ 487.11	
MISC. SUPPLIES	\$ 195.97	
RECOGNITION AWARD PLAQUES	\$ 243.13	
	\$ 926.21	
<b>TOTAL EXPENSE</b>	<b>\$ 12,888.56</b>	<b>\$ (12,888.56)</b>
<b>CASH BALANCE 12/31/06</b>		<b>\$ 14,830.58</b>

Please Note: The Archive Fund Balance of \$3,250.50 is included in the above reported Cash Balance.

### MARK YOUR CALENDAR!

Plan now to attend the 11th Annual  
SRI Alumni Reunion  
October 11, 2007  
4 to 7 p.m  
SRI International Building  
Menlo Park, CA 94025

### WANTED – NEW ALUMNI MEMBERS

An Alumni Membership Drive will be held during the time of our Annual Reunion, October 11, 2007.

Membership is open to ALL persons who have worked at SRI. If you know of former SRI associates, let them know about our campaign and make plans NOW to include them in October.

If they would like to join NOW, membership forms can be found on our Alumni website [www.sri.com/alumassoc](http://www.sri.com/alumassoc). Complete the form and send it to the address shown below.

If you do not have access to our web site, contact Joyce Berry at [rjoyceberry@sbcglobal.net](mailto:rjoyceberry@sbcglobal.net) or mail a request to Membership Chair, SRI Alumni Association, 333 Ravenswood Ave., AC108, Menlo Park, CA 94025

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## ALUMNI NEWS FROM ABROAD

### Sailing Notes . . .

A few years ago **David and Jeanette Gibby** decided they would like to sail their 39' steel-hulled yacht "Harbinger" in the Mediterranean and The Adriatic,



but the French canals were not deep enough for its 1.8 metre draught, so in 2005 they set off from their home port marina, near

Southampton, to sail there "the long way around", via France, Spain and Portugal.

After crossing the English Channel, sailing west, and then down the Atlantic coast of France, their first port of call in Spain was San Sebastian. By "coast-hopping" around the Bay of Biscay they were able to enjoy the north coast of Spain, while avoiding the potential dangers of a direct Biscay crossing. After spending some time in the Spanish Rias they sailed on south, past Cape Finisterre and down the Portuguese coast, where a number of forest fires were raging. David managed to get some close-up photos of fire-fighting aircraft while they were in Figueira da Foz. They left their boat in Portimão, on the Algarve, on the south coast of Portugal, for the winter.



Last Spring they resumed their voyage towards the Mediterranean, spending a few days in Cadiz and sailing past the scene of the famous naval battle off Cape Trafalgar. After entering the Mediterranean while marvelling at the views of the Atlas Mountains of North Africa, they visited Gibraltar [see top picture].

On their way up the Spanish coast towards the Balearic islands, they joined some local tours to places such as Tangiers and The Alhambra, Granada. They arrived in Barcelona last October, where the boat has been used as a base for visits to this exciting city during the winter.

They plan to resume their voyage in April 2007, and next winter they will probably leave "Harbinger" in Sicily or Malta.

### UK Alumni Outing to Greenwich

A group of ten UK Alumni met on Sunday 18th March, for a guided tour (thanks to **Gia Campari**), firstly of the area near the Tower of London,



then by boat down the River Thames to Greenwich, where they visited some of the historic buildings on the site of the National Maritime Museum. They also saw the original Greenwich Time Signal for 1pm, before having lunch together, and then returning to central London on the Docklands Light Railway. It was a cold and windy day, so they didn't pose for any group photos. For further details and more pictures, visit <http://members.aol.com/SRIAlumniUK> and click on "Greenwich".

### WELCOME!

#### NEW ALUMNI MEMBERS

The SRI Alumni Association welcomes new members:

Barbara Camph  
Ruth Hubbell McKey  
Mel Perel  
Charles Rino  
Nova Spivack

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

## NEWS FROM SRI

### Drug to Protect Soldiers

SRI announced in March that its Chemical Science and Technology Laboratory [Bob Wilson, Ph.D., director] has been awarded a DOD contract to develop a prophylactic drug to protect soldiers from chemical warfare agents, specifically organo-phosphorus (OP) nerve agents.

SRI will then deliver 90,000 doses of the drug, based on a promising compound identified by SRI as part of earlier studies for the U.S. Army.

Over several decades, SRI has conducted extensive research on small molecules for defense against acetylcholinesterase-inhibiting agents such as OP nerve agents. SRI's small molecule approach seeks to provide new drugs that are inexpensive, easy to manufacture and formulate, and with a long shelf life. Such drugs could be developed into drugs faster than options such as recombinant proteins. From SRI's large library of compounds, researchers selected the optimum lead with back-up candidates ideal for the DoD program.

SRI's prophylactic will first be advanced through preclinical efficacy and toxicology studies to prepare the drug to enter clinical assessment. SRI intends to have the drug ready for initial human safety studies in less than two years. The product developed will be water-soluble and water-stable, providing long shelf stability for dosage forms that can be readily available.

The DoD contract is milestone-driven, requiring U.S. Army approval for advancement to the next step. SRI applies this approach to much of its drug discovery and development activities for government and industry clients.

This contract follows on the heels of another award in December 2006. Under a \$9.5 million contract with the National Institute of Neurological Disorders and Stroke (NINDS—a part of NIH), SRI will develop medical countermeasures to prevent, diagnose, and treat the conditions caused by potential and existing chemical agents of terrorism. SRI's Biosciences Division will investigate all aspects of preclinical development that

can lead to potential therapeutic candidates, including synthetic and natural products and small molecule drugs. SRI will develop analytical methods, perform pharmacology studies, conduct safety evaluations, and formulate and manufacture products for further study. SRI will prepare therapeutic candidates to enter clinical assessment under an Investigational New Drug (IND) submission to the U.S. Food and Drug Administration (FDA). SRI will evaluate candidate therapies identified in earlier stage projects supported by the CounterACT program.

In addition to this NINDS contract for chemical agent countermeasures, SRI has many years of translational medicine experience with National Institute of Health (NIH) agencies, including the National Institute of Allergy and Infectious Diseases (NIAID), National Cancer Institute (NCI), National Institute of Diabetes and Digestive and Kidney Disease (NIDDK), and National Institute on Aging (NIA). With this award, and a recent \$57 million award from the NIAID for the development of anti-infective therapeutics, SRI has enhanced its position as the largest preclinical development contractor to the NIH.

### New Marine Science Facility in St. Petersburg, Florida

In late November, 2006, SRI announced the establishment of a new SRI facility and associated marine science and technology program in St. Petersburg, Florida. The program specializes in the study of surface and subsurface marine environments. The staff conducts research and engineering in optics, acoustics, MEMs, mass spectroscopy, and related marine sciences.

Marine science and technology are a growing national priority that complements SRI's existing land and space research capabilities. SRI-St. Petersburg, which was jump-started by transitioning 40 staff members from the University of South Florida College of Marine Science's Center for Ocean Technology (COT) into SRI, constitutes the new Marine Technology Program

## NEWS FROM SRI (Continued)

within the Engineering & Systems Division [John Prausa, Vice-President].

SRI-St. Petersburg began operating as part of SRI on January 2, 2007, focusing initially on R&D, technology transfer, and commercialization of marine science. SRI also expects to start a strategic initiative in port security, and over time local research collaborations may broaden into areas such as biosciences, nanotechnology, energy, the environment, and education.

The new facility was made possible by a \$20 million Innovation Incentive Fund grant from Florida and by funds from the State, Pinellas County and City of St. Petersburg for the design and construction of a new building. SRI-St. Petersburg will be located temporarily at the University of South Florida until the new building is completed in early 2009.

Current COT director Larry Langebrake will join SRI to lead SRI-St. Petersburg.

Learn more about SRI's Marine Technology program at <http://www.sri.com/esd/marine-tech/>.

### **New SRI Facility in Shenandoah Valley, Virginia**

In December 2006, SRI announced the establishment of a new multi-divisional facility in the Shenandoah Valley of Virginia. It is expected to become a self-sustaining, 100-person operation generating more than \$20 million in revenues within 7 years. SRI-SV and its first group, the Center for Advanced Drug Research (CADRE), began operating on January 2, 2007.

CADRE will focus on the practical applications of proteomics-driven systems biology, a core of modern biosciences, to create new diagnostics, therapeutics, and vaccines for infectious disease and biodefense. Research in proteomics is the next logical step after genomics in understanding life processes at the molecular level, which will ultimately allow the identification of new drug targets and biomarkers, streamline drug development, and make personalized medicine cost effective.

Krishna Kodukula will move from Menlo Park to Virginia to lead the CADRE effort. CADRE will team with James Madison University (JMU) and other Virginia institutions in its research efforts. With problems such as pandemic bird flu having a potential economic impact of \$2 trillion, the market opportunity for CADRE is well over \$10 billion.

Nancy Adelman and her team in the Policy Division in SRI's Arlington office have initiated a research effort, also in collaboration with JMU, to establish an education research group at SRI-SV.

Over time SRI expects to add other high-technology programs at SRI-SV relating to homeland security, engineering, nanotechnology, bioenergy, information technology, and other policy initiatives.

The location in Harrisonburg in Rockingham County, VA, 128 miles from Washington DC, offers excellent geographic access on Interstate 66 to major government clients and the world's third largest biotech cluster. At the same time, Harrisonburg (pop. 31,000) offers a lower cost of living than most areas in the greater Washington metropolitan area.

SRI-SV has been made possible by Virginia commitments that total \$22 million in funding (\$15 million of which has been approved) for expenses over 4 to 7 years, plus a new facility to be built by the County of Rockingham. SRI-SV staff will be located at JMU temporarily, until the new building is ready to be occupied in 2009.

### **SRI Robot Software Available from Microsoft**

SRI International plans to deliver a version of its advanced mapping and localization software for Microsoft Windows. Using Microsoft's Robotics Studio, hobbyists and commercial developers can easily create mobile robotic applications for a variety of computing platforms. SRI is working with Microsoft to make the software compatible with Microsoft's new robotic platform.

## NEWS FROM SRI (Continued)

SRI robot software capabilities include:

- localization  
(to determine the robot's position within its environment using sensor information),
- mapping  
(to use sensor input to create a virtual model of its environment),
- exploration  
(to determine the sequence of moves it will make in order to completely cover an area in the environment),
- path planning  
(to compute the best path to take from its current position to a specified target position), and
- obstacle avoidance  
(to detect previously unknown objects or environmental features and modify its path accordingly).

SRI has been a leader in robotic software research and development since the founding of its Artificial Intelligence Center in 1966. Today, SRI offers a sophisticated suite of high-level robotic reasoning capabilities that have been deployed on a number of mobile robots.

Microsoft Robotics Studio (<http://www.microsoft.com/robotics>) supports a wide range of programming languages, and includes a new visual programming language, which enables non-programmers to create and debug robotics programs very easily.

### **SRI to Develop MS Drug Candidate for Telik**

SRI International and Telik, Inc. announced that they have signed an exclusive license agreement under which SRI will conduct preclinical studies of a Telik drug candidate for the treatment of multiple sclerosis and other autoimmune and inflammatory diseases.

SRI's Biosciences Division will study C243, a compound that prevents leukocyte infiltration. Leukocytes are white blood cells that help defend the body against infection. Leukocyte infiltration is strongly linked

to tissue injury in chronic diseases such as multiple sclerosis, rheumatoid arthritis, and atherosclerosis.

Under the terms of the agreement, SRI will fund and conduct preclinical and toxicology studies directed at supporting an Investigational New Drug (IND) application filing for C243 with the U.S. FDA, and will develop GMP-compliant sources for C243 manufacturing. Telik will have the option to re-acquire C243 rights in the future. The license agreement covers North and South America, where Telik has exclusive rights.

Telik, Inc. (Nasdaq: TELK) is a Palo Alto biopharmaceutical company dedicated to discovering, developing and commercializing novel small-molecule drugs to treat cancer and other serious diseases. Telik discovered an advanced development candidate, TELCYTA™ (TLK286), a novel cancer cell-activated chemotherapeutic, and TELINTRA™ (TLK199), which is in clinical development for myelodysplastic syndrome and other blood disorders.

### **SRI Presents Community Roadmap to Front Royal, VA**

On March 15, SRI presented a Future Community Roadmap to the residents and businesses of Front Royal-Warren County, Virginia, located 70 miles west of Washington D.C. The Future Community Roadmap lays out a series of initiatives to assist the community to achieve its strategic vision. The Roadmap was developed at the request of the Front Royal-Warren County Economic Development Authority (EDA).

John M. "Matty" Mathieson, director of SRI's Center for Science, Technology and Economic Development led the effort.

SRI's recommendations for the Roadmap include

- Support K-12 and workforce education;
- Enhance integrated coordinated planning;

## NEWS FROM SRI (Concluded)

- Attract new businesses to sites throughout the County;
- Support the downtown area;
- Serve the County's small businesses and entrepreneurs;
- Provide information technology and communications infrastructure for businesses and residents; and
- Develop effective promotional branding.

The Roadmap lays out the critical action items that will allow the community to reach its vision. The Roadmap sets measurable milestones for the beginning, the middle, and the end.

The vision of Front Royal-Warren County is a prosperous community that preserves the natural beauty of the surrounding lands and views; a community with a hometown flavor in which residents know one another and are connected to one another and their community; a community with a vibrant Downtown, showcasing the region's unique strengths; and a community to which children will want to return to because of the wide variety of good jobs.

### Café Scientifique

Several alumni have been spotted among the attendees at the Café Scientifique in the last few months.

Beginning in January, SRI has been working with an organization called "Café Scientifique Silicon Valley", hosting a monthly science discussion forum. These free gatherings are held in the I-building from 6:00 pm – 7:30 pm. on the second Tuesday of each month.

On May 8, Prof. Steve Palumbi will speak on "Saving Whales with DNA". Palumbi is a Professor in Marine Sciences and Senior Fellow, Stanford Institute for the Environment at Stanford's Hopkins Marine Station.

Then on June 12 the discussion will be on "Exploring Mars", led by Scott Hubbard of the SETI Institute and Stanford University. Hubbard is a former Center Director at NASA Ames.

These events are valuable opportunities to become involved in a community forum where the lay public has access to leading scientists. Come and join us.

### RECENT RETIREES AND OTHER DEPARTURES OF LONG-TIME STAFF

		Years of Service
<b>December 2006</b>	- <b>Dennis Silva</b>	<b>16.6</b>
	- <b>Constance Lambert</b>	<b>13.0</b>
	- <b>Dolores Winans</b>	<b>17.6</b>
<b>January 2007</b>	- <b>James Means</b>	<b>16.8</b>
	- <b>James Harrison</b>	<b>12.0</b>
	- <b>Naunihal Zaveri</b>	<b>9.9</b>
	- <b>Jeffrey Bottaro</b>	<b>22.7</b>
<b>February 2007</b>	- <b>Youcef Atamna</b>	<b>10.7</b>
	- <b>Rosie McCormick</b>	<b>30.2</b>
	- <b>Daniel O'Hara</b>	<b>44.5</b>
<b>March 2007</b>	- <b>Anthony Correia</b>	<b>20.3</b>
	- <b>Edys Quellmalz</b>	<b>13.6</b>

## IN MEMORIAM

### Ron Collis\*

Ronald Thomas Collis died on Dec. 3, 2006 in San Francisco, aged 86. He was a Fellow of the American Meteorological Society, and was a Certified Consulting Meteorologist.

Ron joined the RAF in 1940 at the age of 19. He served until 1947 as a squadron leader and was awarded the DFC and Mentioned in Dispatches as a fighter pilot. He earned a BA in Geography and Cartography from Oxford University in 1949. An MA in Meteorology at the Royal Navy School of Meteorology in 1952 was followed by a stint in the Royal Navy as a meteorologist.

In 1956 he started a career in applied research at Decca Radar in London. He came to SRI in 1958 as a Research Meteorologist in the Radio Systems Laboratory. Later, he became director of the Atmospheric Physics Laboratory. One of the earliest of his books, "Investigation into the use of magnetic tape recordings of radar precipitation echo signals for hydrological analysis" was widely cited in meteorological circles.

Ron was the Senior Director of Engineering Research for Europe when he retired in 1985. He was immediately rehired and served on the Scientific Staff of the Engineering Research Group Vice-President for three more years, also assisting in the National Security Planning & Marketing Department.

He is survived by his wife Ethyl Maxine Collis of San Francisco and his son and daughter-in-law, Gregory T. and Deanna Collis, of Kensington, CA.

### Hugh Guthrie



Hugh D. Guthrie, Director of the Energy Center from 1980 to 1985, died on February 17 at his home in Morgantown, WV. He was 87.

Hugh was born on May 11, 1919 in Murdo, SD. He attended the University of Iowa, where he graduated in Chemical Engineering with highest honors in 1943.

He joined Shell Oil Co. in 1947 and worked on processes for making synthetic rubber and jet fuel, wartime inventions for which he received several patents. After 33 years with Shell as a senior technologist and group leader, Hugh was appointed by Pres. Gerald Ford as a Division Director with ERDA in Washington, DC. His special expertise was in distillation; he later developed expertise in shale oil and natural gas. He co-authored a book, "The Strategic Significance of America's Oil Shale Resource."

Hugh served as a VP at Occidental Petroleum before joining SRI in 1978 as the Director of the Energy Center.

After leaving SRI in 1980, he worked briefly at Cities Service (Citgo) in Tulsa before becoming Director of the Extraction Division at the U.S. Department of Energy's National Energy

Technology Laboratory (NETL) in Morgantown, WV in 1987. He continued there in senior management and as a technical advisor in their Strategic Center for Natural Gas until 2007.

Active in professional societies, Hugh served as President of the AIChE in 1969 and was an AIChE Fellow. He was also a member of the ACS, AAAS, Society of Petroleum Engineers, and the New York Academy of Science.

Hugh was an active golfer and family man, and was active in the Episcopal Church and in visiting prisoners. He was a member of the chemical engineering advisory boards at the University of Iowa, UC Berkeley, and others.

Survivors include Elizabeth Harris Guthrie, his wife of 56 years; their five daughters Dr. Katherine F. G. Ward, Gretchen G. Small, Melissa G. Olson, Elizabeth G. Kinney, and Rev. Emily G. Lindner; and nine grandchildren.

### Delia Hoxworth\*

Delia Greer Hoxworth died in Mt. View on January 26, 2007, following complications from a stroke. She was 82.

Born in 1924, Delia Greer was raised in McAlester, OK, moving as a teenager to Sunnyvale, where she resided for 65 years.

She came to SRI at the beginning of 1952 as an Electronics Technician. She became an electronics buyer in the Engineering Dept. In her early days, she also held an evening job as a hostess – which is how she met and married Al Hoxworth in the mid-1960's.

Delia served many years in the Engineering Division, participating in many of SRI's most noted projects. She was a Principal Storekeeper in Contracts when she retired in 1986.

Delia took considerable pride in adding a second story to her home in 1987, actually camping out in the backyard with Al for nearly 4 months – sleeping on cots, cooking on a camp stove, and bathing al fresco alongside the pet turtles.

There were also numerous cats over the years. Most of them were gray cats, always named "Blue Boy." Her grandchildren didn't realize that it was not the same cat, and there had been several Blue Boys.

Delia was also a crafty crafter. One year she made incredibly ornate Holly Hobby quilts for all her girls, and manly quilts for all the boys.

Delia was an avid collector. She enjoyed collecting clocks and stamps, angels and books, Spode Christmas china and Bradford Exchange plates, and—infamously--Beanie Babies.

Delia also excelled as the family archivist and historian, meticulously keeping up scrapbooks and photo albums of her extended family.

## IN MEMORIAM (Continued)

Her husband Al predeceased her. Survivors include her son Dale Edward Reed; three nieces and a nephew; grandchildren Cathy McCause, Rick Anderson, Alison Reed, Vickie Hammett and Anthony Hammett; and five great-grandchildren.

### Riggs Monfort\*

Elias Riggs Monfort III died January 27, 2007. He was 77.

Born September 6, 1929 in Chicago, Riggs was raised in Middletown, OH. He attended Purdue University and received his BS from the School of Aeronautics in 1952. He worked briefly as an engineer for Douglas Aircraft Co. in Santa Monica, CA, and then entered active duty with the USAF and served as an All-Weather Interceptor pilot in the Pacific, achieving the rank of Captain.



Returning to civilian life in 1958, Riggs worked for Cessna Aircraft Co. in Wichita KS, as an International Regional Manager. In 1964 Riggs moved to Sunnyvale and joined SRI in the Theory And Practice of Planning Program. He was a Senior Management Consultant in Corporate Strategy Formulation and Implementation when he retired in 1988.

Riggs pursued a lifelong passion for aviation. At age 50 he started building and later flew his own Christen Eagle aerobatic biplane. His career in aviation was a triumph over adversity. Despite deteriorated muscles in his right leg from a bout of polio when he was 10, Riggs was accepted into ROTC at Purdue and received a commission as a Second Lieutenant, got into flight school, and went on to become a combat qualified line fighter pilot. While on active duty, he bailed out in the East China Sea, and spent seven hours in the January water. Riggs even completed Escape and Evasion school, all with no notice of his infirmity.

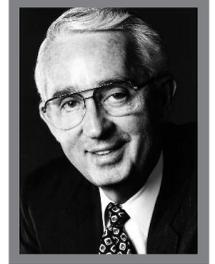
He was a member of the Society of Automotive Engineers, Association for Strategic Planning, California Pilot's Assoc., Aircraft Owners and Pilot's Assoc., Experimental Aircraft Assoc., International Aerobatic Club, Eagle Exchange (founder), Air Force Assoc., F-86 Sabre Pilot's Assoc., Caterpillar Club, and Quiet Birdmen. He also belonged to the Mayflower Society, National Civil War Assoc., Sons of Union Veterans of the Civil War, Sons of the American Revolution, and the Founders and Patriots of America.

Survivors include his wife Hathalie, sons Stephen, Scott, Jonathan and Christopher; and grandson Elias Riggs Monfort V. He was active with his family in camping, skiing, golf, tennis, whitewater rafting, hiking, and other exploratory excursions.



### Bill Sommers

Dr. William P. "Bill" Sommers, 73, died Jan. 7, 2007 at his home in Ponte Vedra Beach, Florida. Dr. Sommers served SRI International as its president and CEO from 1994 until 1998.



A native of Michigan, Bill worked his way through the University of Michigan, graduating first in his class in 1955 (BS in Mechanical Engineering). He stayed on to receive an MSE in 1956 and a PhD in aeronautical engineering in 1961.

Dr. Sommers' business career spanned more than 40 years, including a 29-year tenure at Booz-Allen & Hamilton. Before joining SRI, he also served as executive vice president of Iameter, Inc., a health care cost containment and quality improvement firm. He also served on numerous corporate and scientific advisory boards.

Under Sommers' leadership, SRI has created eight startup firms in the areas of speech recognition, medical diagnostics, surgical technology, and biotechnology.

Throughout his career, Dr. Sommers had a deep appreciation for the importance of a technological education. He actively encouraged young students to pursue science careers and was honored by his alma mater for his leadership in raising scholarship and endowment funds.

He is survived by his wife Josephine; sister Peggy Topp; son William and daughter Clare Sommers; stepdaughter Joanna Weems; stepsons John Hughes and Russell Hughes; and seven grandchildren.

### Neil Stafford

Neil Stafford passed away on November 21, 2006 at the age of 85.

For 27 years, Neil was the principal architect, mechanical designer, and construction supervisor of many steerable antennas used for radio and ionospheric research by the Radio Physics Lab at SRI International. He also designed and configured many of the 40-ft vans used at numerous SRI field sites.

Neil served in the U.S. Army Air Force during WW2, mostly in the Aleutian Islands. After his military discharge in 1945, he obtained his Mechanical Engineering degree from San Jose State College in 1950.

Neil began work for SRI as a consultant in 1957, became a full time staff member in 1961, and retired as a Senior Mechanical Engineer in October 1984, but continued work as a consultant into the '90s.

During his tenure at SRI, Neil was responsible for the following large antennas:

## IN MEMORIAM (Concluded)

- 60' dish with steerable mount at the Stanford field site in about 1957 (moved to Homer, Alaska in about 1964)
- 61' dish with steerable mount at College, Alaska (near Fairbanks) in 1957
- 10'x20' fixed reflector installed at Big Delta, Alaska in 1958.
- 142' dish with steerable mount at Fraserburgh, Scotland in 1959
- 86' dish with steerable mount at Johnston Island in 1962
- 88' dish with steerable mount at Stanford in 1970; moved to Chatanika, Alaska in 1971; then to Sondrestrom, Greenland in 1982.
- 68' flat faced steerable phased array in Homer, Alaska in 1975

In the 1990's, as a consultant, he worked on the multimillion-dollar AMISR phased array radar program and on installing an 88ft dish on Ascension Island. For many of the dishes, he came up with the clever idea of using surplus U.S. Navy gun mounts to steer them. He was also a consultant to other organizations on the subject of large antennas.

Neil is survived by his wife of 64 years, Alice, and his children, Gregory and Gail.

### Leda Voropaeff

Leda Voropaeff, of Menlo Park, died Dec. 30, 2006 in Hollister at the age of 85.

Leda took a Secretarial course at the Heald Business College in San Francisco and joined SRI as a Secretary in the Engineering Division in 1960. She retired in 1991 as a Senior Secretary in the Network Information Systems Dept. in the Computing and Engineering Science Division.

Leda was a member of the Holy Virgin Russian Orthodox Church in San Francisco. She volunteered as a medical translator at the Stanford Medical Center, and was also active with Meals on Wheels. She was of great assistance to the SRI Alumni Association as a volunteer on the Archives committee.

She is survived by Victor Voropaeff, her husband of 57 years; her sons, Nicholas and Andrew; and her nine grandchildren, Nicole, Luke, Andrew, Rebecca, Nicholas, Elyane, Jaime, Dominique and Mathew.

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\*SRI Alumni Association Member

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*Editor: Robert Schwaar*

*Layout: Joyce Berry*

## **2007 SRI ALUMNI ASSOCIATION SPRING FLING**

This year we have a special treat in store for a limited number of our Alumni. A tour of the **National Ignition Facility at Lawrence Livermore National Laboratory**. The one and only Laser facility of its kind in the world!

We will get on a Black Tie Tour Bus in front of SRI at 10 AM on Wednesday, May 16 and be taken to the Trio Restaurant at the Stoney Ridge Winery in Livermore for a picnic buffet lunch.

After lunch we will proceed to Lawrence Livermore Laboratory for a one to two hour tour of the largest Laser facility in the world. **Sorry, NO cameras allowed, including cell phone cameras!**

After the tour, the Bus will return us to SRI at around 5 PM.

Since Lawrence Livermore Laboratory is a secure facility, all SRI attendees will **have to be U.S. Citizens and will have to be cleared and badged in advance**. To facilitate the process, please contact Tom Anyos ([tomanyos@aol.com](mailto:tomanyos@aol.com)). He will need your Social Security Number, Place of Birth and Citizenship to submit required forms to the Lab's Security Office.

*If you'd rather not send this information by Mail or eMail, you can call Tom at 650.323.3448 between 4 PM and 7 PM any day.*

The Lab is limiting this tour to 75 attendees, so attendees will be registered on a **first-come, first-served basis**.

Please complete the form below and return it with your check, made payable to SRI Alumni Association, for \$ 40.00 per person **by Wednesday, May 2, 2007** to: SRI Alumni Association, 333 Ravenswood Ave., AC108, Menlo Park, CA 94025.

**RESERVATION FORM – 2007 SRI Alumni Association SPRING FLING at Lawrence Livermore National Laboratory, Wednesday, May 16, 2007.**

**PLEASE COMPLETE THE REQUIRED PERSONAL INFORMATION.**

*(For your protection, ALL coupons will be shredded at the conclusion of this event).*

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

**REQUIRED: U.S. Citizen?** \_\_\_\_\_ **SS#** \_\_\_\_\_ **Place of Birth** \_\_\_\_\_

**Guest:**

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

**REQUIRED: U.S. Citizen?** \_\_\_\_\_ **SS#** \_\_\_\_\_ **Place of Birth** \_\_\_\_\_

Number of Reservations: \_\_\_\_\_ @ \$ 40.00 per person. Total enclosed \$ \_\_\_\_\_.