



EX-L' S

Retiree Newsletter

Lawrence Berkeley National Laboratory - January, 2017

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EX-Ls EXPRESS - FEBRUARY 2017
Deadline for Newsletter submittals is 7 days after the Board meeting.

EX-Ls BOARD OF DIRECTORS

President: Lee Schroeder
1st Vice-President: Henry Rutkowski
2nd Vice-President: Nancy Brown
Secretary: Esther Schroeder
Treasurer: Kay Bristol
Membership: Patti Powers-Risius
Activities: Kathy Bjornstad
LBNL Liaison: Margaret Dick
CUCRA Representative: Janis Dairiki/Don Grether
UCBRC Policy Board: Richard Sexto
Connie Grondona
Editor EX-Ls Newsletter: Linda Rutkowski
UCBRC Director and Liaison Cary Sweeney

PAST PRESIDENTS

Cheryl Fragiadakis -- 2016	Connie Grondona -- 2015
Trudy Forte -- 2014	Tom Beales -- 2000
Joe Jaklevic -- 2012-2013	Ken Mirk -- 1999
Rollie Otto -- 2011	Paul Hernandez -- 1998
Richard Sexto -- 2010	Clay Sealy -- 1996-1998
Don Grether -- 2009	Igor Blake -- 1994-1996
Jose Alonso -- 2008	Conway Peterson -- 1992-1994
Janis Dairiki -- 2007	Howard Browne -- 1990-1992
John Kadyk -- 2006	Ethel Skyrdlinski -- 1989
Gene Binnall -- 2005	Al Amon - 1988
Sig Rogers -- 2004	Ken Lou -- 1987
Bob Fulton -- 2003	Virginia Cherniak - 1986
Bob Birge -- 2002	Bill Bigelow -- 1985
Per Dahl -- 2001	Ted Bowers -- 1981-1984

WELCOME NEW LUNCHEON GUESTS

Miklos Gyulassy

2017 CALENDAR OF BOARD MEETINGS & LUNCHEONS

Board: Meetings:

January 12, 2017	April 13, 2017
July 13, 2017	October 12, 2017

Board Meetings start at 3:00 p.m. and end at 5:00 p.m. usually held in LBNL Conference Room (54-130B). Location is subject to change at the last minute, so check with a Board member if you plan on attending. We welcome attendance by interested members.

Luncheons:

Thursday, Feb 16, 2017, Hs Lordships
Thursday, May 18, 2017, Hs Lordships
Thursday, Aug 17, 2017, Hs Lordships
Thursday, Nov 16, 2017, Hs Lordships

OFFICE ADDRESS:

Our mailing address is: LBNL EX-Ls
101 University Hall Berkeley, CA 94720-1550

Photo Site:

<https://get.google.com/albumarchive/108867583996319040696>

Photo Czar: Ned Dairiki

Website: <http://retirement.berkeley.edu/ex-ls>

Webmaster: Kris Thornton, UCBRC

EX-LS Honorary Life Members

Shirley Ashley Patrick Cullinane, Bud Larsh

MEMBERS DECEASED LAST YEAR

John David, "J.D." Jackson (Physics)
Leroy (Roy) Kerth (Physics)
Bernard Harvey (Nuclear Science)
William Harris (NERSC)
Arthur Rosenfeld (EETD)
Dewey Dean (Stores - Donner)

Next Luncheon: February 16, 2017

PRESIDENT'S MESSAGE: Lee Schroeder

Happy 2017! Hope this year is one of health and joy for you and the entire EX-Ls community. At our October 19, 2016, luncheon at H's Lordships the general membership elected the following to the 2017 EX-L Board: Lee Schroeder (President), Henry Rutkowski (1st Vice-President), Nancy Brown (2nd Vice-President), Esther Schroeder (Secretary), Kay Bristol (Treasurer), Patti Powers-Risius (Membership Coordinator), Kathy Bjornstad (Activities Coordinator—please note that Vicky Jared will continue as Activities Coordinator though our May luncheon, after which Kathy will take over full responsibility). The EX-Ls Board and I are looking forward to an exciting 2017. Following are some items I'd like to inform you of related to the coming year.

EX-Ls Universal Membership Program:

In 2016 we ran a pilot program that we have been calling "universal membership," which means that every LBNL retiree and their spouse are automatically a member of the EX-Ls and will receive such information as the EX-Ls newsletter and will be invited to EX-Ls events (e.g., quarterly luncheons). For those of you who have been involved with the EX-Ls before, there aren't any changes, except that you will not be paying any annual dues. After discussions at the fall 2016 EX-Ls Board meeting the EX-Ls Board decided to move the program from its pilot status and voted to continue this program (particularly, the non-dues aspects) into the future. It should be noted that several of the other UC Berkeley retirement groups within the UC Berkeley Retirement Center (UCBRC) had already adopted this approach. However, like any organization, there are on-going financial costs associated with the operation of the organization, such as the annual dues to CUCRA (Council of University of California Retirees Associations), participation in the semi-annual CUCEA (Council of UC Emeriti Associations)/CUCRA meetings held at a UC campus, and other month-to-month costs incurred with EX-Ls operations. To help off-set these costs, as has been done by the other 'non-dues' UC retiree groups, we will be requesting a **voluntary contribution**, expected to be in the \$10-15 range, beginning with our May 2017 luncheon. I will discuss this further at our February 16th luncheon.

Upcoming Activities:

As discussed later in this newsletter, the next quarterly luncheon will be at H's Lordships on Thursday, February 16, 2017. Dr. Tom Budinger, who has spoken at previous luncheons, will be the guest speaker discussing his exciting research into the brain and brain injuries. We hope to see you at the luncheon! In addition to our quarterly luncheons, we want to remind you that you are eligible to attend lectures in a number of areas. These lectures are sponsored by the UCBRC and cover topics ranging from the familiar to exciting new arenas that you may not be as aware of, and all are free—but you must register in advance at <http://retirement.berkeley.edu/LIR/schedule>.

Website Location:

As noted in last year's February newsletter, we have switched to a new website hosted by UCBRC. In addition to seeing the most up to date EX-Ls information, you will be able to learn of news about other UC retirement groups and UC's Retirement Center. Often activities sponsored by the other UC retirement groups and the Retirement Center are open to the EX-Ls. You can access the website from the Lab's A-Z page under "E" for EX-Ls or "R" for Retirement. The Bookmark for the new address is; <http://retirement.berkeley.edu/EX-Ls>. Please let us know if you have any problems and/or suggestions for improvements to the EX-Ls. We are particularly interested in seeing if there are other activities, such as tours, that we as the EX-Ls community can get involved in.

I can be reached at lsschroeder@lbl.gov. I'd be pleased to hear your thoughts and opinions.

Lee Schroeder, 2017 EX-Ls President

Looking forward to seeing you at the February 16, 2017 Luncheon

In Memoriam

Leroy T. Kerth, Former Associate Berkeley Lab Director and Senior Scientist and UC Berkeley Associate Dean and Physics Professor, Dies at 87



Leroy T. “Roy” Kerth, a remarkably talented experimental physicist, teacher and administrator who was deeply devoted to the University of California, died in his sleep Nov. 7, 2016, at age 87. As a faculty senior scientist at Berkeley Lab, with teams he recruited and led, Kerth built major pieces of elementary-particle apparatus at the lab’s Bevatron, at Fermi National Accelerator Laboratory (working on muon-beam and proton-antiproton-collider experiments), and at SLAC National Accelerator Laboratory (working on the PEP-4 time-projection-chamber calorimeter and the PEP-II BaBar silicon-vertex-detector mechanical system).

As a devoted full-time teacher, Kerth brought the UC Berkeley Physics Department’s course-grade, teaching-assignment, and teaching-evaluation records into the personal-computing era, serving as vice chair for instruction. As a broadly gifted administrator, Kerth served as Associate Dean of UC Berkeley’s College of Letters & Science in the aftermath of the Free Speech Movement, and during 1983-88 he fully reorganized Berkeley Lab’s Computing Division as its new head. Later he served as associate laboratory director both for General Sciences (1988-91) and for Scientific and Technical Resources (1991-93). Kerth also advised Fermilab’s Director on its scientific program.

Kerth, who was born Nov. 23, 1928, and grew up on a small California farm, earned a bachelor’s degree in physics from UC Berkeley in 1950. Excited to join the UC Berkeley Radiation Laboratory during that golden era, under E.M. McMillan he earned his PhD in 1957 by completing one of the first Bevatron measurements. Accomplishments of experiments in which he was involved at Berkeley, Fermilab, and SLAC included the first observations of the top quark, of charmed particles produced by muons, and of direct charge-parity-symmetry violation.

In all of this work Kerth maintained a highly innovative, hands-on style. For example, he led development in the 1960s of one of the first automatic film scanners for particle physics, and in the 1990s devised an ingenious mechanism for splitting BaBar’s silicon vertex detector (now on display in the Building 50 lobby) so that it could be installed around the beam pipe. Throughout his career, with no sense of self-importance, Kerth worked tirelessly to ensure the success of many experiments, even fashioning scale models in his home workshop.

Starting even before the launch of the Apple I personal computer, Kerth developed a lifelong interest in computing. Initially he arduously programmed primitive devices to control apparatus in real time. Later, as already noted, this interest grew in many directions, ranging from computing administration to recordkeeping and demonstrations for teaching.

In the classroom as a much-respected lecturer, Kerth exuded a love for classical physics, especially for devising ever-more-elegant solutions to the challenging electrodynamics problems posed by his friend J.D. Jackson. Another facet of Kerth’s teaching was his concern for PhD students and other younger colleagues. He supported them faithfully, hosted them regularly at home with his wife Ruth, and delegated to them all the

responsibility they could handle. Students working with Kerth's group went on to leading positions on distinguished physics faculties across three continents.

For his tireless service Kerth was awarded the Berkeley Citation, a rarely bestowed honor, upon his retirement in 1993. Characteristically, of course, he continued to work at the lab and on campus for many years thereafter.

"I had the privilege to work closely with Roy on the Silicon Vertex Tracker for the BaBar experiment," said Natalie Roe, director of Berkeley Lab's Physics Division. "He set an admirable example in his devotion to the art of experimental particle physics, his creative approach to problem solving, and his complete lack of self-promotion, coupled with his strong support of younger physicists. He leaves an impressive legacy of scientific, technical and institutional contributions to Berkeley Lab and UC Berkeley, and he will be much missed by all of us."

—Contributed by Mark Strovink, UC Berkeley emeritus professor of physics.

EX-Ls Members remarks regarding their memories of Roy Kerth

Lee Schroeder – In the period of 1969-71 I was conducting particle physics experiments at the Bevatron as a physics assistant professor from Iowa State University when I received an offer from Roy Kerth to join his physics research group—which I did in the fall of 1971. During the early 1970's the Bevatron was beginning to be phased-out of high-energy physics research with proton beams, and evolving into what eventually became high-energy nuclear physics and bio-medical research using low- to high-energy heavy ion beams, characterizing the era of Bevalac-research at Berkeley. When I discussed my interests in exploring these new research directions with Roy, he immediately encouraged me to do so, even providing modest resources from his group. I'll be forever grateful to Roy for the opportunity to move my research into new directions and helping define my future years at Berkeley. Roy was an excellent physicist as well as a champion mentor to generations of physicists.

Connie Grondona – I remember Dr. Kerth personally invited me to attend a meeting of the Directors (all the big wigs) at B50 because he felt "everyone should understand the challenges and leadership of the Lab". Roy, was my boss (Group Leader) surprised.

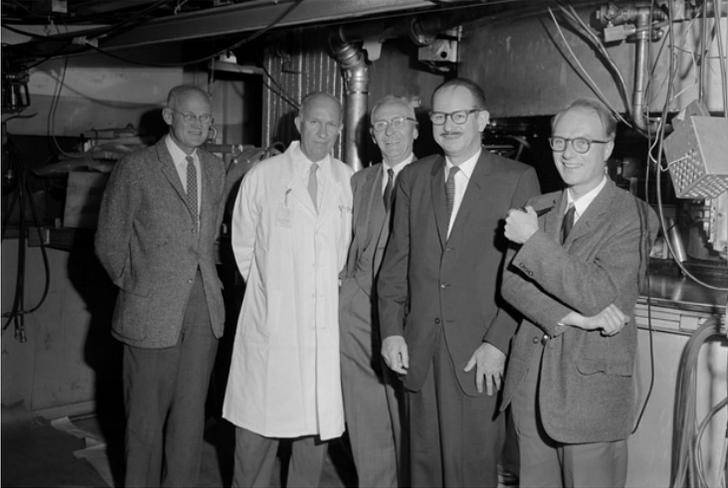
Eugene Binnall – It was a pleasure to provide support on Roy's projects.

Cheryl Fragiadakis – Besides his direct contributions to research, Roy was always looking to connect us with useful and advanced technology. I was trying to come up with a tool in the "search" arena in the 90's, and so visited him in his campus office, for advice. Ultimately we were never able to get funding for the particular project, unfortunately, but Roy did advise me to look into a little startup project that a couple of guys from Stanford were working on-- he said it was much better than alta vista and other search tools. It had a funny name, I'd never heard of. Oh yeah, Google...

Donald Grether – I only knew him through his management roles. I thought he did good job, often dealing with difficult issues, and I had a good deal of respect for him.

Richard LaPierre – As Mark Strovink mentioned in his excellent memorial, Roy was interested in computing long before the launch of Apple 1. Starting in the early 80's, I had the privilege of participating in implementing his vision and goals for the small computer at the Lab. It started with the purchase of several IBM personal computers, which were loaned to members of the scientific and engineering community for their evaluation. That quickly followed with the creation of the Computing Division's Workstation Group. Our initial emphasis was in technical support of the various applications running on the PC. When Apple introduced the Macintosh, Roy immediately authorized the purchase of a dozen machines. A classroom was established and training classes were offered for several of the Macintosh applications. Roy wanted to ensure that the community fully utilized these resources and continued to support the services provided by the Workstation Group.

Mendelevium Co-Discoverer Bernard Harvey



Dr. Bernard Harvey died on Nov. 29 at age 97. He co-discovered element 101, [mendelevium](#), with Glenn Seaborg in 1955. He wrote the first scientific paper on plutonium chemistry during World War II, which caught the eye of Seaborg. At Seaborg's urging, Harvey joined the Lab in 1953 and served as director of the 88-inch cyclotron and the Nuclear Science Division before retiring. As the Nuclear Science Division director in the early 1970's, Dr. Harvey helped guide the early transition of the lab's Bevatron from its role as a particle physics accelerator with protons to one emphasizing the new research field of high-energy heavy-ion physics (often referred to as relativistic nuclear collisions) at the lab's Bevalac facility. On January 26, 2017, over fifty colleagues, former students, friends and surviving family members met to remember and speak about his many achievements in science, as well as his great humanity.

Harvey (far right) is pictured with (l-r) Bob Thornton, John Lawrence, Don Cooksey, and Ed McMillan at the closing of the 60-inch cyclotron in 1962.

The 37th Annual Laboratory Run Around — Berkeley Lab's hilly, 3-kilometer (1.86-mile) footrace took place on Friday, 28 October. All finishers received a free t-shirt and a special lunch menu. A couple hundred runners, walkers and a few bicyclists participated in the race. Jennifer Doyle (Engineering, with a time of 10:57) and Steve Whitlam (Material Science, with a time of 9:48) were repeat winners. EX-Ls, represented by Connie Grondona and Patti Powers-Risius, set up a booth near the finish line at the cafeteria and passed out oranges and energy bars. EX-Ls Brochures were given to those considering retirement and who may be interested in attending EX-Ls lunches and other activities. It was nice to see former co-workers including Steve Derenzo, (2016 Runaround Planning Committee) and Tom Budinger who headed up the time keepers/recording team at the finish line. A good day all in all.



Patti Power-Risius and Connie Grondona



Steve Derenzo and Bill Johansen with volunteers

EX-Ls PHOTO VIEWING

If you are interested in looking at the photos from the November, 2016, luncheon you can view them at our Google web page:
<http://get.google.com/albumarchive/108867583996319040696>
76 members and guests met at Hs Lordships Restaurant. Join us on February 16 at Hs Lordships and get reacquainted with former co-workers and friends, enjoy excellent food/drink and enjoy an interesting lecture.

UC Reception Honoring New Retirees

EX-Ls representatives Kathy Bjornstad, Vicky and Richard Jared, Patti Powers-Risius and Henry and Linda Rutkowski attended the UCB Chancellor's Reception, Honoring New UC and LBNL Retirees. The event was held on October 18, 2016 at the Clark Kerr Center, Krutch Theatre. UC Berkeley Retirement Center sponsored the reception of approximately 100 attendees. Kris Thornton did a wonderful job of organizing the event. Carol Christ, Interim Executive Vice Chancellor and Provost gave welcoming and congratulatory remarks. Angelica Stacy, Associate Vice Provost, Office of Faculty Equity and Welfare and Patti Owen, Chair, UCB Retirement Center Advisory Board also spoke at the reception. Retiree and Emeriti Associations represented were: 1) UC Retirees' Association at Berkeley (UCRAB), 2) UC Berkeley Emeriti Association (UCBEA), 3) LBNL Retirees' Association (EX-Ls) and 4) Presidents' and Regents' Retiree Association (PARRA). Several guests from Belmont Village Albany Senior Living were also present to speak with guests.

Wine and Hors D'oeuvres were served while music from the UCB Student Chamber Music Ensemble played in the background. Time was allowed for a very generous raffle drawing, socializing and enjoying a champagne toast to all new retirees. LBNL retirees who attend the event were: Michel Foure, Larry McLouth, Florence Mou, Linda Nowell, Joseph Perillo, Max Sherman, Romulo Tecson and Delores Turner.



Henry Rutkowski, Patti Powers-Risius and Kathy Bjornstad



Patti and Kathy speaking with new retiree Linda Nowell



Angelica Stacy, UCB Associate Vice Provost for Faculty Equity



Fidela and Romulo Tecson and Joseph Perillo, (new retirees)

Don Grether

CUCEA is the Council of UC Emeriti Associations, and CUCRA the Council of UC Retiree Associations. EX-Ls is a member of CUCRA. CUCEA and CUCRA hold semi-annual meetings on a UC campus. The format is that CUCEA and CUCRA meet separately, and also hold a joint meeting that is attended by representatives of the UC Office of the President (UCOP). Janis Dairiki and I attended the meetings on October 26-27, 2016 at UC Santa Cruz (UCSC). The following briefly addresses those items that particularly pertain to LBNL retirees. If you would like a more detailed report please send an email to dfgrether@yahoo.com.

Introductory remarks were given by UCSC Chancellor George Blumenthal. UCSC has about 17,000 students, 10% of whom are graduate students. There are no intercollegiate sports teams. [Brief aside. It may be just as well as the UCSC mascot is the Banana Slug rather than some fierce animal like bears or eagles. The retirees call themselves the Silver Slugs.]

The only UCOP presentations were from the Retirement Administration Service Center (RASC). The presentation of most relevance addressed satisfaction surveys of medical plans. The UC Medicare plans were addressed in some detail: Health Net Seniority Plus, Kaiser Senior Advantage, and Blue Shield Medicare PPO & High Option. On the whole, the UC plans do somewhat better than the national average. In the case of "Get Care As Soon as Needed" Health Net did somewhat worse than average, and much worse in "Plan's Customer Service gave you the info and help you needed." In terms of mail order for prescription drugs, the UC plans have a much higher usage than the national average. UC Medicare members rate their health as better than the national average, and have somewhat higher vaccination rates.

The CUCRA Retiree Association Program Support (RAPS) program (formerly the Grants program) made three awards in the most recent cycle. One was to UC Santa Barbara to make banners that are being used at their events, a second to UCLA for a laptop computer, and the third to EX-Ls to acquire email addresses so that we can send the Newsletter and announcements to more Lab retirees.

With respect to the Survey of UC Retirees Activity, some 4000 retirees (system-wide) responded, which the folks who put together the survey are pleased with. The survey was near an end, and an analysis of the responses was set to begin.

Further information, including the meeting agendas and center reports, is available on the CUCRA website - cucra.ucsd.edu/

The next CUCRA/CUCEA meeting will be at UC Irvine on April 26-27, 2017.

As a reminder, in the Fall 2016 EX-Ls newsletter, there was a request for members using hearing aids to provide input information requested by CUCRA. CUCRA has noted that hearing loss is common in the older population and it is not clear that UC's medical plans have kept pace with the costs. Please help by providing information regarding your hearing aid usage and your average out-of-pocket costs to Janis Dairiki at jmdairiki@lbl.gov or 510-525-9563. The information will be passed on to CUCRA.

October 2016 Luncheon Recap, Lee Schroeder, 2017 Ex-Ls President

At our November 17, 2017, the Ex-Ls enjoyed a first of its kind, double-header lunch presentation. The first speaker, Dr. Claude Lyneis (recent retiree from LBNL), had rescued from the scrap heap a black and white film shot, nearly 60 years old, depicting the discovery of Mendelevium (element 101) by some of the legendary scientists who did the actual work at that time. Using editing skills that he acquired to make videos of his son's lacrosse team, he edited the original 18-minute silent footage shot by KQED in 1955, down to a 6-7 minute version, adding sound effects and his voice-over narration. This reenactment stars some of the key Berkeley Lab scientists involved in the discovery of element 101: Al Ghiorso, Bernard Harvey, Gregory Choppin, and team leader Stanley Thompson. Together with director, Glenn Seaborg (not shown in the film), the group published their

(discovery) research in a June 1955 issue of the Physical Review. Dr. Lyneis has uploaded his presentation, entitled "The Element Hunters," to Youtube (<https://youtu.be/DTKoVhFpzIM>). We encourage all of you to have a look at this short excellent video. There were several questions from Ex-Ler's after Dr. Lyneis' presentation—many focused on archival issues associated with LBNL's research documentation.



Al Ghiorso



The second talk, given by Prof. Eric Norman, recently retired from UC Berkeley's Nuclear Engineering Department who continues to teach, mentor and carry out research as a UCB retiree. The title of his presentation was, "From Seaborg's Plutonium to Gorilla's in the Mist."

The first part of his exciting talk recounted the careful research he and his group needed to determine that a sample, labeled as "*Seaborg's original sample of plutonium from the 1940's*" (see photo) was indeed, just what the label stated it was— ^{239}Pu . Several decades after its creation, it ended up in storage in the EH&S Department on the UCB campus;. Employing passive (non-invasive) x-ray and gamma-ray measurements, Prof. Norman and his associates demonstrated that the storage box containing the plutonium sample (original weight of 2.77 micrograms of PuO_2 or 2.44 micrograms of ^{239}Pu) was the first sample of ^{239}Pu described by Seaborg as large enough to measure.



²³⁹

The first sample of ^{239}Pu containing 2.7- micrograms of oxide was weighed on September 10, 1942, at the University of Chicago's Metallurgical Laboratory. It is shown here as a deposit on a platinum foil held by forceps.

Dr. Norman followed up his own double-header presentation with a delightful video and slide show of a January 2013 trip that he and his wife (see there photo with gorilla friend in the background) took to Uganda and Rwanda to go chimpanzee and gorilla trekking. This second part was well received and elicited several questions (and answers) at the end of his presentation.



We are presently working with the UC Berkeley Retirement Center (UCBRC) in posting online the electronic presentations of all the 2016 and future luncheon speakers for you to look through. We hope to have this added feature up and running in the next several months.



**WHERE HAVE YOU BEEN?
SHARE YOUR TRAVEL ADVENTURES OR SPECIAL EVENTS
YOU ATTENDED**

**Submit your articles to EX-Ls Newsletter Editor: Linda
Rutkowski
Email: chamisa6@att.net**

EX-Ls 11-17-16 Luncheon

Marie & Ray Alberti
Jose Alonso
Winnie Baker
Paul Banchero
Tom Beales
Gene & Myrna Binnall
Kathy Bjornstad
Igor Blake & Ayo Alabi
Kay Bristol
Nancy Brown
Jerry Bucher
Patrick Cullinane
Eleanor Dahl
Diane D'Aoust
Janis & Ned Dairiki
Norman Edelstein
Ben Feinberg
Polly Fleischer
Ken Frankel
Regine Goth-Goldstein
Larry Goldstein
Harvey Gould
Donald & Becky Grether
Connie & Ed Grondona
Miklos Gyulassy
Howard Hatayama
Diana & Barry Hopper
Egon Hoyer
Joe Jaklevic
Vicky & Richard Jared
Steve Kessler
Ginny & Heinz Lackner

Raffle Prize Winners:**Attendees and Guests**

Almon Larsh
Doug McWilliams
Ken Mirk
Nancy & Vic Montoya
Conway Peterson
Art & Lucille Poskanzer
Patti Powers-Risius
William & Mary Rankin
Don Rondeau
Henry & Linda Rutkowski
Jayant Sathaye
Fred Schlachter
Esther Schroeder
Lee Schroeder
R.P. Sing
Brenda Shank
R.P. Singh
Frank & Marie Agnes Stephens
Frank Stevens
Bob Stokstad
Tom Tenforde
William Turner
Irma Vogel
Louise Vogelsberg & Linda Beroza
Al Windsor
Allan Zalkin

Guest Speakers: Claude Lyneis and
Rick Norman

Other Guests: Laura Welsh & Elva Espinosa
(Nuclear Care Partners)

Ken Mirk, William Rankin, Al Windsor



Louise Vogelsberg (pictured here with her daughter) was honored for her years of service as the Editor of the EX-L's EXPRESS

EX-LS Luncheon

Date: **Thursday, February 16, 2017**

LOCATION: HS Lordships Restaurant, 199 Seawall Drive, Berkeley Marina 

TIME: 11:30 AM - Lunch Served at 12:00 (or there about)

BANQUET ROOM LOCATION: Windsor Court Room - To the right of the entrance door
Opens at 11:30 – No Host Bar Service located in banquet room

LUNCHEON SPEAKER: *Dr. Thomas F. Budinger, Sr. Staff Sci., Life Sciences Div. and Professor of the Graduate School, University of California, Berkeley.*

TITLE OF TALK: **“Brain Injury: Facts and Myths”**

INTRODUCTION: We are pleased to have Dr. Thomas F. Budinger as our Feb. 2017, luncheon speaker. This will be Tom’s third time to present his research on imaging technologies and applications to cardiovascular disease and mental disorders.

BIOGRAPHY: Thomas Budinger has degrees in chemistry, (B.S. magna cum laude, Regis College, Denver, 1954); physical oceanography, (M.S. University of Washington, Seattle, 1957); medicine (M.D. gold-headed cane award, University of Colorado 1964); and physics (Ph.D. Univ. of Calif., Berkeley, 1971). LBNL appointment from 1976 to present.

Buffet Selection Garden Salad with two dressings + Sliced Seasonal Fruit + Grilled Fresh Atlantic Salmon + Sliced Tri Tip + Portobello Mushroom Ravioli + Parsley Red Potatoes + Fresh Seasonal Vegetables + Assorted Desserts. Dinner rolls and butter, water, coffee (hot tea on request) and iced tea.

Cost: \$30 per person (prepaid)

Reservations: Computer access to the EX-Ls Web page (<http://retirement.berkeley.edu/ex-ls>) will also give you the lunch form. Vicky must receive your reservation by Saturday, February 12. Please mail form to Vicky Jared, 4849 John Muir Road, Martinez, CA 94553. Call (925) 228-2145 - or email to: jaredrv01@aol.com

See you at the **Feb. 16 luncheon at HS Lordships Restaurant**. Be sure to make reservations by **Sat., Feb. 12, 2017**. Mail To: Vicky Jared, 4849 John Muir Road, Martinez, CA 94553

I Plan to Attend (Name): _____

I will bring _____ guest(s) Name(s) of guests(s): _____

\$30 per person PREPAID Please make check payable to **EX-LS** Total Enclosed: \$ _____

Buffet Service – Advance Choice is not required

Vegetarian Dish Request: Yes _____ **First time attending luncheon?** _____

Willing to carpool: As Rider? _____ As Driver: _____

Need to sit closer to the screen? _____ Other: _____

Wish Assistance with Buffet? _____