



EX-Ls

Retiree Newsletter

Lawrence Berkeley National Laboratory - October, 2019

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Editor's Note: This is my last issue as Editor of the Newsletter. I have enjoyed putting together each of the issues for the past three years and appreciate those who have submitted articles, announcements, and pictures. Best wishes to my successor.

EX-Ls BOARD OF DIRECTORS

President: Nancy Brown
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2nd Vice-President: Ben Feinberg
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Membership: Phyllis Housel-Gale
Activities: Kathy Bjornstad
LBNL Liaison: Margaret Dick
CUCRA Representative: Janis Dairiki/Bob Cahn
UCBRC Advisory Board: Nancy Brown, Bob Cahn
Editor EX-Ls Newsletter: Linda Rutkowski
UCBRC Director and Liaison Cary Sweeney

PAST PRESIDENTS

Henry Rutkowski - 2018	Bob Birge - 2002
Lee Schroeder - 2017	Per Dahl - 2001
Cheryl Fragiadakis -- 2016	Tom Beales - 2000
Connie Grondona – 2015	Ken Mirk - `1999
Trudy Forte – 2014	Paul Hernandez – 1998
Joe Jaklevic – 2012-13	Clay Sealy - 1996-98
Rollie Otto – 2011	Igor Blake - 1994-96
Richard Sextro – 2010	Conway Peterson –1992-94
Don Grether – 2009	Howard Browne – 1990-92
Jose Alonso – 2008	Ethel Skyrdlinski – 1989
Janis Dairiki – 2007	Al Amon - 1988
John Kadyk – 2006	Ken Lou – 1987
Gene Binnall – 2005	Virginia Cherniak - 1986
Sig Rogers – 2004	Bill Bigelow – 1985
Bob Fulton – 2003	Ted Bowers – 1981-84

Director's Reception
November 4, 2019
3:00-5:00 pm

2019 CALENDAR OF BOARD MEETINGS & LUNCHEONS

Board: Meetings:

January 10, 2019 April 11, 2019
July 11, 2019 October 10, 2019 (Rescheduled to Nov. 7, 3-5 B54-1308)
Board Meetings start at 3:00 p.m. and end at 5:00 p.m. usually held in LBNL Conference Room (54-130B). Note that the January 10th meeting was held in Bldg. 70A-3377. 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 (dates and locations):

Thursday, Feb 21, 2019, DoubleTree
Thursday, May 16, 2019, Berkeley Yacht Club
Thursday, Aug 15, 2019, DoubleTree
Thursday, Nov 21, 2019, DoubleTree

OFFICE ADDRESS:

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

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

Webmaster: Kris Thornton, UCBRC

EX-LS Honorary Life Members

Shirley Ashley, Patrick Cullinane, Bud Larsh

Next Luncheon
November 21, 2019

EX-Ls President's Report

The Laboratory was shut down by PG&E October 9th until October 14. Especially important is that the Directors Reception that honors new and past retirees is rescheduled and will be held from 3 to 5 PM Monday November 4th in the cafeteria. Please mark your calendars and plan to attend.

Bob Cahn and I met with Cary Sweeny, Director of the UC Berkeley Retirement Center (UCBRC) and LBL HR and Contract staff including Margaret Dick, the Director's Chief of Staff regarding LBL support for UCBRC for a second five-year period. Another important topic at this meeting was tracking Laboratory retirees with the goal of recruiting them to become active members of the EX-Ls. The UCBRC membership includes retirees from Berkeley, emeriti and staff, retirees from UCOP, and retirees from LBL. The EX-Ls derive many benefits from the Center including pre-retirement planning, learning in retirement, retiree communications, retiree association support and collaboration, referrals and resources, special events and programs, as well as well as other privileges and discounts. Please take the time to become familiar with their web site at UCBRC.edu. The UCBRC Advisory Board met in September. Bob Cahn and I are members of the Board, and we joined with others on the Board to work together to protect health care for retirees this past year. Our Berkeley effort was recognized as being the most influential in affecting the health care outcome.

Health care issues will not go away this year, and will continue to impact retirees as well as active University and National Laboratory employees. This year Bob Cahn and I are members of the Berkeley Health Insurance Working Group that includes members from the four retirement organizations: retirees from UCOP, the emeriti, retired UCB staff, and the EX-Ls. This group will meet monthly or more frequently. Other groups concerned with Health Care at UC are the recently re-constituted Health Benefits Advisory Committee (HBAC) that met in mid October. They will review new proposals for plans and are currently working on their charter. Their overall goal is to provide advice on sustainable affordable high quality health insurance (for UC active employees and retirees). Other influential groups are the statewide Faculty Welfare Committee (FWC). The FWC focus on health insurance and health care is through the FWC Health Care Task Force (HCTF). These various groups all have members that have considerable expertise on health care and health insurance.

Rich Sextro organized an impressive LBL tour for members of the UCBRC Advisory Committee which was well-attended and -received. The Group saw: The Molecular Foundry, The Advanced Light Source, Engineering Division Machine Shop, and Joint Center for Artificial Photosynthesis. An excellent overview lecture was presented at each stop of what turned out to an exciting afternoon.

Please sign up early during Open Enrollment in anticipation that difficulties with RASC (Retirement Administration Service Center) that is part of UCRAYS (UC Retirement Administration Service Center) exist. Studies have indicated difficulties with responsiveness, accuracy, timeliness, communications, and other issues.

CUCRA and CUCEA (Council of University Retirees Associations and Emeriti Associations) are influential with UCOP. Please go to their web page and read the Joint Benefits Committee Report that will be posted soon after the draft is approved. It contains a wealth of information regarding health care and other issues of import to retirees.

We are looking forward to Luncheons at the Berkeley Yacht Club next year. Our Activities coordinator Kathy Bjornstad has worked very successfully to secure the space and to provide an affordable attractive experience for attendees; her efforts are greatly appreciated by the EX-L Board. We had our May luncheon there, and EX-Ls were pleased with the food and the location that this very welcoming environment provides.

Nancy Brown

Director Michael Witherell cordially invites you and a guest to:

Berkeley Lab EX-Ls Retiree Reception

Monday, November 4, 2019
3:00 - 5:00 pm

The Cafeteria Lawrence Berkeley National Laboratory
One Cyclotron Road, Berkeley, CA

We look forward to honoring our Lab retirees, newly retired and otherwise!

Please RSVP by October 28th via the Eventbrite Link:<https://2019-lbl-directors-reception.eventbrite.com> *if you already registered using Eventbrite, no need to re-register or to the EX-Ls Activity Coordinator: Kathy Bjornstad at email: kathy.bjornstad73@gmail.com

An event in partnership with Berkeley Lab EX-Ls, Berkeley Lab, and the UC Berkeley Retirement Center

If you would like to learn about perks and programs available to you through the UCB Retirement Center and EX-Ls Association contact: **510.642.5461**,
ucbrc@berkeley.edu

August Luncheon Recap

The speaker at the August 15th luncheon was **Pier Oddone, Director Emeritus of Fermilab and Deputy Director Emeritus of LBNL**. He spoke on “Adventures of a California Winemaker: From Soil to Wine.” Pier and his wife, Barbara live near Healdsburg in the Dry Creek region and grow both zinfandel and cabernet sauvignon grapes. Pier told how the criteria they set for the purchase of land - weather, land, water, soil – led them to their current location. Today the nine acres of cab yield 40 to 50 tons of grapes, while the three acres devoted to zin bring in seven to ten tons. One ton is kept “for the house.” The resulting house wine was judged superb by the more than 75 attendees, who were the recipients of the Oddones’ generosity in supplying both the cab and the zin for every table.

“Wine is made in the vineyard,” Oddone explained. Pruning, training the canes, monitoring pests, defolating, measuring nutrition, stressing the vines, measuring sugars, acids, and phenolic maturity are all essential. Graphs and tables demonstrated that Pier’s scientific talent was being put to very good use, as was verified by all in attendance.







Thinking of traveling in the next year? Consider a trip with UC Retirees Travel, where you can connect with retirees from all of the University of California locations. All of the trips are expertly planned by our travel partners so you can just relax and enjoy the journey. Three new tours in the U.S. and Canada have been added for those who prefer to travel closer to home:



Nova Scotia & the Canadian Maritimes

Departs July 16, 2020 • 9 Days

Experience the salty fishing towns, towering cliffs and rugged geography of Canada's eastern shores. Premier World Discovery; booking #135638; [Click here](#)

[for details.](#)



Cape Cod & the Islands

Departs September 26, 2020 • 7 Days;

Visit beautiful beaches with sandy dunes, tour Boston, Nantucket and Martha's Vineyard; enjoy legendary seafood and tour pristine conservation land. Premier World Discovery; booking #135639; [Click here for details.](#)



San Antonio Holiday

Departs December 03, 2020 • 5 Days;

Take a city tour and visit the San Jose Mission, the Alamo, Fredericksburg and more. Enjoy the Fiesta del las Luminarias and take a Riverwalk cruise. Premier World Discovery; booking #135640; [Click here for details.](#)

In addition to these tours, UC Retirees Travel is offering trips to many other destinations in the coming year, including New Zealand, Vietnam, Japan, Croatia, Greece and more. [Click here for more details.](#)



UC Retirees Travel: Christmas on the Danube and More...

The World is our Lecture Hall

There is still time to register for a scenic European river cruise to celebrate the 2019 holidays. Stop at traditional Christmas markets in Vienna, Regensburg, Passau, Rothenburg and Nuremberg. Pass castles and small villages, enjoy a German holiday party and discover Wurzburg, an ancient Franconian wine town. In Vienna, join a local expert to explore the historic sites. Visit the 900-year-old Benedictine Melk Abbey. For information or to register, call Collette Travel, (800) 581-8942; refer to booking #951640. [More details...](#)

UC Retirees Travel offers extraordinary opportunities to connect with travelers from all of the UC locations. 2020 trips include excursions to New Zealand, Spain and Portugal, the Rhine and Mosel Rivers, Vietnam, Japan, Croatia, Greece and more. [Click here to view all upcoming trips and sign up for the UC Retirees e-newsletter.](#)

Successful Retirement From Retiring to Rewiring

Message from Rod Seeger
CUCRA Information Officer

Visit Our Web Site <http://cucra.org>

CUCEA, CUCRA and Retiree Emeriti Centers,

The video of the joint UCSC EA + RA Successful Retirement Talk by Jill Steinberg, Professor Emeritia Psychology, SJSU, "Successful Retirement: From Retiring to Rewiring" Thursday, October 17, 2019 is now available for you to watch on YouTube, here is the link:

<https://youtu.be/in6EzrTgqwQ>.

This talk appealed to active staff and faculty as well as retired staff and faculty. While most retirement talks are about money, this one is about your state of mind, happiness and satisfaction. I recommend sending notice of this video to your retirees and emeriti. This is a report on Jill Steinberg's research on Successful Retirement and it is worthwhile.

When you view the video, please SUBSCRIBE to our YouTube channel and click the bell (notify) so you are alerted when a new video of an Emeriti Association talk or lecture is uploaded.

The video is public, so please feel free to send this link or forward this email to your friends and family.

Best regards,

Todd Wipke
Past President, UCSC Emeriti Association

Berkeley Historical Society News

Phyllis Gale, a 2012 LBNL retiree, is researching Berkeley Women who participated in the 1896 and 1911 campaigns for Votes for Women (Women's Suffrage). Please contact her via p2gale@gmail.com or 520-508-4389, if you have a relative, friend, or knowledge of a partisan in this history.



African Americans in Berkeley: Four Families

Curated by Dr. Stephanie Anne Johnson and Harvey Smith

October 27, 2019 – April 4, 2020

Berkeley Historical Society
Veterans Memorial Building
1931 Center Street, Berkeley

This is the first in a series of exhibits to explore the extensive history of African Americans in Berkeley, beginning with the first early families, through the explosion in population during the wartime industry boom of World War II, and into the civil rights era and beyond. It focuses on four families: the Reids, the Howards, the Rumfords, and the Griffins. The exhibit includes a rich photographic record and personal memorabilia from each extended family. It also explores issues of housing discrimination and the current displacement crisis.

Open Thursday through Saturday, 1 to 4 pm

EVENTS

Sun. Oct. 27, 2–4 pm Opening reception with brief remarks in the lobby at 2:00.

Sun. Nov. 17, 2 pm Film showing, *Welcome to the Neighborhood* (featuring Mable and Mildred Howard) and film trailer about Betty Reid Soskin.

Sun. Dec. 1, 2 pm Film showing, *Fair Legislation: The Byron Rumford Story*.

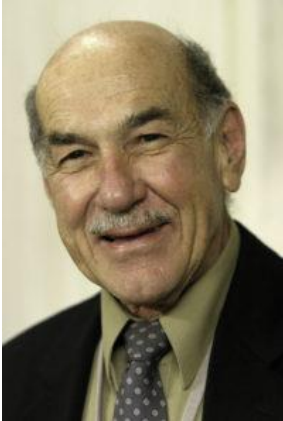
The films will be presented in the Green Room at the east end of the Veterans Building lobby. The exhibit, in the museum at the west end, will be open for one hour following each film program. No admission charge (donations welcome). Wheelchair accessible (call number below upon arrival).

**Berkeley Historical Society, 510-848-0181 or e-mail info@berkeleyhistoricalsociety.org
Follow us on Facebook!**

Remembering U.S. Particle Accelerators Expert Tom Elioff

Note: This article was adapted from the original article published by SLAC National Accelerator Laboratory. View the [original article](#).

Tom Elioff, an accelerator physicist and former deputy director of the Accelerator Division at Lawrence Berkeley National Laboratory (Berkeley Lab) who played a leading role in managing the construction of particle accelerators used for groundbreaking research at Berkeley Lab and SLAC National Accelerator Laboratory (SLAC), died June 27 in Berkeley at the age of 85.



Known for his deep expertise and skillful management of large projects, an engaging and effective way of working with people, and an abiding love of fishing and hunting, [Elioff's accomplishments](#) stretched over nearly half a century.

He worked on early accelerators at Berkeley Lab, including the Bevatron and 184-Inch Cyclotron, and he worked directly with Nobel laureates including Edward McMillan – whom he considered an important mentor – and Ernest O. Lawrence, Owen Chamberlain, and Emilio Segrè.

“He was such a great guy,” recalled SLAC’s John Seeman, who worked with Elioff on the PEP-II project. “He worked very hard, was always thinking of what needed doing next, was a straight shooter, and always kept the project first rather than himself. He worked on more accelerators than anyone else I know. He always had good things to say about everyone, but kept them on a true course.”

Tom “Tommy” Elioff was born Dec. 11, 1933 in Monroe, Louisiana, to Elisa and Michael Elioff, who had immigrated from Bulgaria. His father worked as a welder on natural gas pipelines, and “often came home with parts of his khaki clothing burned away,” Elioff recalled in an autobiographical booklet he and his wife put together in 2014. His father started taking him out into the bayous to fish when he was 5 or 6 – the start of a lifelong passion for fishing – and he tended chickens, worked in his mother’s large garden, and joined a family-wide effort to help his older brother, Bob, recover from polio.

During World War II, Elioff made friends with pilots training at nearby Selman Field and began building free-flight and radio-controlled model planes, winning a competition with a plane that reached 160 mph. In high school he gravitated toward math and science classes, played baseball and softball, participated in drama and debate, and began dreaming of getting a Ph.D. in physics from UC Berkeley.

Elioff got his bachelor's degree in 1954 from Louisiana Polytechnical Institute, where he met his future wife, Ione Hill; they would marry in 1956 after she received her master's degree from the University of Tennessee. Then, with a Phi Kappa Phi scholarship making it possible to fulfill his dream, he started graduate studies at UC Berkeley.

Elioff immediately went to visit the university's Radiation Laboratory, which eventually would become known as Berkeley Lab, and sought out the lab's director, Ernest O. Lawrence. Lawrence didn't ordinarily allow first-year grad students to work with the Lab's accelerators, but when he heard that Elioff had built model airplanes and repaired bicycles, he declared the young man a perfect fit, Elioff later recalled.

He began helping the team of engineers that ran the lab's 184-inch cyclotron, including arranging beamlines used to treat cancer patients, and in his spare time went mountain climbing – a hobby learned from his new European colleagues in Berkeley – took up skiing, and helped out on a commercial salmon fishing boat, the Lucky Day.

He also assisted with experiments at the lab's Bevatron synchrotron that discovered the antiproton and led to a Nobel prize in Physics for Segrè and Chamberlain in 1959.

After receiving his Ph.D. in 1960, Elioff continued to work at the Bevatron, where he led development and construction of 10 external beamlines, created an experimental users group, and wrote a handbook. He was appointed to the Berkeley Lab senior staff in 1966.

In 1970 Elioff took a two-year leave to work for the Atomic Energy Commission, which oversaw the national labs that would later become part of the U.S. Department of Energy. There he oversaw the Fermilab construction program as well as development at other accelerator labs.

Returning to Berkeley Lab in 1973, he served as a group leader in the Accelerator and Fusion Research Division and then as the division's deputy director.

Particle collider projects

It was in 1977 that he first became involved in projects at SLAC. The first one was PEP, the Positron-Electron Project, which had five detectors to record what happened when accelerated electrons and positrons collide. Building PEP was a joint Berkeley Lab and SLAC project, and he served as deputy director.

Pier Oddone, a former Berkeley Lab physicist and deputy director who was director of Fermilab from 2005 to 2013, said, "I worked closely with Tommy in the first incarnation of PEP in the 1970s. He was in charge of the conventional facilities, and I was the coordinator for the experimental program that used those facilities. Tommy was already an experienced manager and I was still wet behind the ears in my first significant management job. We developed a great working relationship. I learned many useful skills from him."

When that work was completed in 1980, Elioff returned to Berkeley Lab, where he directed the National Center for Advanced Materials and led a group that worked on conceptual design and cost estimates for the Advanced Light Source synchrotron.

The SSC years

In 1984, when planning began for the Superconducting Super Collider – an underground proton collider that would have been 54 miles around, twice the circumference of today’s Large Hadron Collider in Europe – Elioff got involved from the start, representing Berkeley Lab on the Central Design Group and serving as head of project planning and management. He went on to work for three years on the next stage of accelerator development at the SSC construction site in Texas, where his daughter Amanda, was also working on the project as a civil engineer for Parsons Brinkerhoff (now WSP).

Building a B Factory

Tom Elioff returned to Berkeley Lab, only to be invited back to SLAC a year later by Jonathan Dorfan, director of the PEP-II project, to become deputy director of the project – another collaboration between SLAC and Berkeley Lab along with Lawrence Livermore National Laboratory.

This upgrade to the PEP collider added a new low-energy ring to accelerate positrons above the existing high-energy ring, which accelerated electrons. Meanwhile, a consortium of nine nations designed and built a 1,200-ton particle detector known as BaBar to record the results of interactions. PEP-II and BaBar were collectively known as the B Factory, designed to produce and record large numbers of B meson particles for a range of studies, including exploring the still-unanswered question of why there is more matter than antimatter in the universe.

PEP-II was dedicated in 1998, and in 2000 the project team received the DOE Program and Management Award.

Upgrading a synchrotron at SLAC

Elioff returned to Berkeley Lab in 1998 and formally retired after 44 years at the Lab between 1955-2004. But he had one more adventure ahead – his “last accelerator hurrah,” he called it – and once again, it took him to SLAC, where Director Burton Richter asked him to direct the SPEAR3 project, which would upgrade the 30-year-old storage ring at the heart of the Stanford Synchrotron Radiation Lightsource (SSRL).

In objective terms, Hettel added, SPEAR3 was not a huge project, “but for us, SPEAR3 was really big potatoes,” adding a suite of improvements that initiated a new phase of operations for SSRL and rejuvenated X-ray science at SLAC.

At the SPEAR3 dedication in 2004, which marked the end of Elioff’s full-time accelerator work, Pat Dehmer, then director of DOE Basic Energy Sciences, presented him with the [DOE Distinguished Associate Award](#) for “many accomplishments and leadership in the project management of major accelerator construction for the Department of Energy” over nearly half a century.

Elioff is survived by his wife, Ione Elioff of Berkeley; and daughter Amanda Elioff of Pasadena.

Sally Floyd, Who Helped Things Run Smoothly Online, Dies at 69

In the early 1990s, Dr. Floyd was one of the inventors of Random Early Detection, which continues to play a vital role in the stability of the internet.



Sally Floyd, a computer scientist whose work in the early 1990s on controlling congestion on the internet continues to play a vital role in its stability, died on Aug. 25 at her home in Berkeley, Calif. She was 69. Her wife, Carole Leita, said the cause was metastatic gall bladder cancer.

Dr. Floyd was best known as one of the inventors of Random Early Detection, or RED, an algorithm widely used in the internet. Though not readily visible to internet users, it helps traffic on the network flow smoothly during periods of overload.

Dr. Floyd's Random Early Detection was an enhancement of work done in the 1980s by [Van Jacobson](#), a computer scientist whose scheme for signaling computers to slow down is often credited with saving the internet from collapse in the '80s and '90s. Dr. Floyd and Dr. Jacobson developed RED together.

"With RED, a router would generate a signal saying, 'I've got enough backlog that I'm going to tell senders I'm backed up,'" said Vern Paxson, a computer scientist at the University of California, Berkeley, who collaborated on research with Dr. Floyd. This meant that by discarding the occasional data packet earlier, routers could often avoid getting completely clogged.

"The work required a lot of careful mathematics and the development of simulations," said Dr. Paxson, whom Dr. Floyd mentored when he was a graduate student at Berkeley.

Since the paper describing [RED](#) was published in 1993, it has been cited in more than 9,100 articles. "That's truly huge," Dr. Paxson said, "up there with the most fundamental papers in computer networking."

Sally Jean Floyd was born on May 20, 1950, in Charlottesville, Va. Her father, Edwin, was a mathematician at the University of Virginia; her mother, Marguerite (Stahl) Floyd, was an operating room nurse.

She spent a year at the University of Michigan, Ann Arbor, before transferring to the University of California, Berkeley, in 1969. She received a bachelor's degree in sociology in 1971, with a minor in mathematics.

Seeking a way to support herself after college, Dr. Floyd took a two-year course in electronics at Merritt College, a community college in Oakland, Calif. In 1975 she became a computer systems engineer for Bay Area Rapid Transit, known as BART.

Dr. Floyd returned to Berkeley in 1984 and received a master's degree and then, in 1989, a Ph.D. there, both in computer science. With the rapidly growing internet seizing her interest, she joined the Network Research Group at Lawrence Berkeley National Laboratory in 1990.

"I hadn't necessarily planned to stay in networking for years," she said. "But for me, network research is more satisfying than theoretical computer science. I find I am happier in the applied world, where the consequences of my work are more tangible."

In 1999 she joined the [International Computer Science Institute](#), a research organization affiliated with UC Berkeley, as a research scientist. She retired in 2009 after receiving a diagnosis of multiple sclerosis.

Dr. Floyd met Ms. Leita, a reference librarian, in 1983. They married in 2013, soon after the United States [Supreme Court](#) cleared the way for same-sex marriage in California. In addition to Ms. Leita and her brother, Dr. Floyd is survived by a sister, Judith Floyd.

Dr. Floyd eschewed the limelight in her field.

"In the internet community, where arguments were often loud and long, Sally was the gentlest of souls," said Deborah Estrin, a computer science professor at Cornell Tech in Manhattan. "Her response to comments that she disagreed with strongly was often a simple 'huh,' gently said and left hanging in the air."

Dr. Floyd was also known for showing interest in the work of graduate students, whom she often met at technical conferences.

"Perhaps the most enduring scene is rounding some corner in a random hotel somewhere in the world and seeing Sally sitting on the floor chatting with a graduate student she'd met a few minutes beforehand about the student's work," Mark Allman, a longtime colleague, wrote in [a recent online post](#). "That scene played out countless times."

A version of this article appears in print on Sept. 8, 2019, Section A, Page 25 of the New York edition with the headline: Sally Floyd, 69, Computer Scientist Who Helped Invent Algorithm That Keeps the Internet Running

Message from the family and friends of Eleanor Dahl.

This is to ask you to join with us in creating a lasting memorial to Eleanor at her beloved Watergate home.

Eleanor Dahl was an inspiration to many of us in the Watergate community, as well as to family, friends, and colleagues in her wider social and scientific circles. She cared deeply about a variety of causes and issues, and willingly put her time, energy, and resources into creating positive change for them. One of her favorite interests was the landscape around Watergate, and in particular the view area she overlooked from her window.

The loss of Eleanor leaves many of us feeling that an important part of our community life is missing. One way to keep her memory with us and also to benefit the community is to raise funds in her name to purchase and install a memorial bench looking out over the water toward Trader Vic's, and to recruit a team of volunteers who could come together on Earth Day 2020 to share in the upgrading of the small garden bed at the flagpole, which was one of her favorite spots.

And as a real bonus if we succeed in reaching our funding goal of \$3500, we will establish a scholarship in her name at UC Berkeley or UC Davis to be awarded to a landscape graduate student who would help us develop a plan for redesigning a beautiful sustainable and natural landscape for her beloved lagoon area.

We have established a GoFundMe account in Eleanor's name, and we hope all of her many friends and family members will support this memorial project to enhance the landscaping of this beautiful waterfront location.

It is easy to make your contribution by going on-line at this address for The Eleanor Dahl Memorial Landscape Fund.

<https://www.gofundme.com/f/eleanor-dahl-memorial-garden>

While she didn't get to see and enjoy all of her garden vision, this volunteer project could fulfill some of her dreams, and be a lasting legacy that would benefit the community as well as celebrate the life and the values of Eleanor Dahl.

Thank you for joining with us in this shared effort.

Join Us EX-Ls November 21, 2019 Luncheon Registration Form

Date: Thursday, November 21, 2019

Speaker: Carl Haber, Ph.D.

Location: DoubleTree by Hilton Berkeley Marina

Luncheon Price: \$42 check, \$43 credit card, all inclusive of luncheon, tax, tip, fees, parking

Register using the Eventbrite Link below

<https://CarlHaber-lbl.eventbrite.com>

IF YOU ARE PAYING BY CHECK PLEASE REGISTER ONLINE. Then mail Kathy a check made out to EX-Ls. It is still acceptable to Fill out the registration form below and mail a check to Kathy

Where: **DoubleTree by Hilton**, Easy access, Berkeley Marina

200 Marina Boulevard, Berkeley Marina, Berkeley, CA. 94710 ←

Time: **11:30 AM – Buffet Lunch Served at noon – Speaker at 1:00, Concludes 2:00 PM**

Location: **Berkeley Room, Building 5, North Conference Center – ELEVATOR, SECOND FLOOR**

No-Host Bar Service: **Not available at this luncheon. Hotel bar will be open at 11:30 am.**

Lunch Service - Buffet: Caesar Salad, Sliced Seasonal Fruit, Chicken chop stuffed with pancetta, asparagus and mascarpone, Salmon with roasted fennel and tomato jam, Vegetarian Pasta, Fresh seasonal Vegetables, Mashed Potatoes, Assorted Desserts. Rolls, butter, water, coffee, (hot tea on request) and iced tea.

* * *

LUNCHEON SPEAKER: *Carl Haber, Ph.D., Senior Scientist, Lawrence Berkeley National Laboratory*

TITLE OF TALK: **Seeing Voices: Using Light to Restore and Preserve Early Recorded Sound**

ABSTRACT: **EX-Ls are excited to have Carl Haber as our November speaker.**

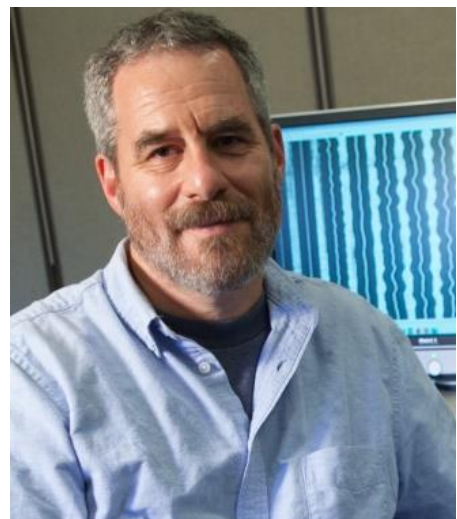
Old audio recordings contain material of great historical interest but are typically in obsolete formats and may be damaged, decaying, or too delicate to play. This talk will explain how recent techniques based upon non-contact optical metrology and data analysis create and analyze high resolution digital images to restore the audio content of these materials.

Sound was first recorded and reproduced by Thomas Edison in 1877. Until about 1950, when magnetic tape use became common, most recordings were made on mechanical media such as wax, foil, shellac, lacquer, and plastic. Playing back old mechanical sound carriers had been inherently invasive and potentially destructive. Work on high-energy particle detectors and a broadcast on NPR led to the solution to this problem.

I will discuss the characteristics of early sound recordings and the use of this new technology as applied to a number of notable collections: field recordings of Native Americans and Canadians from the early 20th Century, the experimental sound recordings of Alexander Graham Bell from the 1880's, and ethnographic recordings collected by Milman Parry in Yugoslavia in 1930, which led to the oral-formulaic theory of epic poetry.

The technology and restoration of historic audio recordings will be illustrated with sounds and images. Additional information can be found at <http://irene.lbl.gov/>

BIOGRAPHY: *Carl Haber, Ph.D.*, an experimental physicist, is a Senior Scientist in the Physics Division of Lawrence Berkeley National Laboratory. He has been a leader in the development of the precision silicon detectors that made possible the discoveries of the top quark and the Higgs boson at Fermilab and CERN. Since 2002 he and his colleagues have also been leading the restoration of early sound recordings. This has led to the rescuing of past cultural and historical artifacts. He is a 2013 MacArthur Fellow and a Fellow of the American Physical Society and the John Simon Guggenheim Memorial Foundation.





EX-Ls Luncheon

Date: **Thursday, November 21, 2019**

Where: DoubleTree by Hilton,

200 Marina Boulevard, Berkeley Marina, Berkeley, CA. 94710 ←

Time: 11:30 AM no host bar, hotel bar will be open - Lunch Served at 12:00 – Concludes at 2:00 PM

Location: Berkeley Room, Building 5, North Conference Center – ELEVATOR, 2nd FLOOR

We will have signs posted and people to help direct you to this new luncheon venue from the parking lot.

No-Host Bar Service: Hotel bar will be open at 11:30 am

Lunch Service - Buffet: Caesar Salad, Sliced Seasonal Fruit, Chicken chop stuffed with pancetta, asparagus and mascarpone, Salmon with roasted fennel and tomato jam, Vegetarian Pasta, Fresh seasonal Vegetables, Mashed Potatoes, Assorted Desserts. Rolls, butter, water, coffee, (hot tea on request) and iced tea.

Cost: \$42 per person check, \$43 credit card (prepaid)

Cut Here

REGISTRATION FORM

See you at the November 21st luncheon at DoubleTree by Hilton at the Berkeley Marina.

Be sure to make reservations by **Saturday, November 16, 2019**

Please mail form and check made out to EX-Ls to: Kathy Bjornstad, Activities Coordinator, 4343 Arden Place, Oakland, CA. 94602

Call, text or email if you have questions: (510) 220-1273 kathy.bjornstad73@gmail.com

I Plan to Attend (Name): _____
EX-Ls Board Member?: Current _____ Retired _____
First time attending? _____ LBNL Retiree? _____ UC Retiree? _____

Name of Guest(s)	1st Time Attending Luncheon?	LBNL Retiree?	UC Retiree?
1.			
2.			

Buffet Service - Advance choice is not required

\$42 per person – Check payable to: EX-Ls

\$42 x _____ = _____
in your party

EX-Ls Voluntary \$15.00 Contribution: \$ _____

Total Enclosed: \$ _____

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

Contact Info (your email or phone number so Kathy can contact you to arrange for carpool)

Need to Sit Closer to the Screen? _____ Buffet Assistance? _____ Other Needs? _____

We welcome new members to the LBNL Retirement Association the EX-Ls.

To be added to the LBNL EX-Ls Roster, please provide the following contact or updated information.

Address _____

Email _____

EX-Ls Luncheon Attendees August 15, 2019, at DoubleTree, 86 seated,

Pier Oddone, Speaker

Pier Oddone	Diane D'Aoust	Egon Hoyer	Vera Potapenko
Barbara Oddone	Inna Dubchak	Bruce Ingraham	Patti Powers-Risius
Claudio Oddone	Eugene Levine	Thomas Jamison	Mike Press
Pat Oddone	Norman Edelstein	Vicky Jared	Paul Preuss
Jose Alonso	Ione Elioff	Walter Johanson	Hans Georg Ritter
Peggy Bahn	Ben Feinberg	Rob Johnson	Maria Ritter
Winifred Baker	Mary Feinberg	William Johnston	Natalie Roe
Michael Banda	James Feit	Steve Kessler	Philip Ross
Michael Barnett	Trudy Forte	Amy Kronenberg	Henry Rutkowski
Chris Bebek	Miguel Furman	Kathleen Lambert	Linda Rutkowski
Gene Binnall	Angela Gaitieri	Peter Lambert	Esther Schroeder
Myrna Binnall	Phyllis M Gale	Almon Larsh	Brenda Shank
Kathy Bjornstad	Philip Gale	Mark Levine	Ann Shannon
Kay Bristol	James Galvin	Kathleen McCowin	James Silicani
Nancy Brown	Susan Grant	Pat Meehan	Mark Strovink
Jerome Bucher	Donald Grether	Jeanne Miller	Linda Strovink
Robert Cahn	Becky Grether	Meredith	Chris Timossi
Fran Cahn	Connie Grondona	Montgomery	Maya Trilling
Sam Chapman	Ed Grondona	William Moses	William Turner
Priscilla K Cooper	Hermann Grunder	Martha Moses	Robert Waxman
Susan Crutchfield	Weiyuan Grunder	Hiroshi Nishimura	Lynn Yarris
Patrick Cullinane	Diana Hopper	Patricia Pelfrey	