

# EX-Ls EX-PRESS

Volume 21 Number 2  
Spring 2003

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The EX-Ls Board of Directors and members gratefully acknowledge the  
Lawrence Berkeley National Laboratory Administration  
for their continuing support.

## **PRESIDENT'S MESSAGE**

### **Bob Fulton**

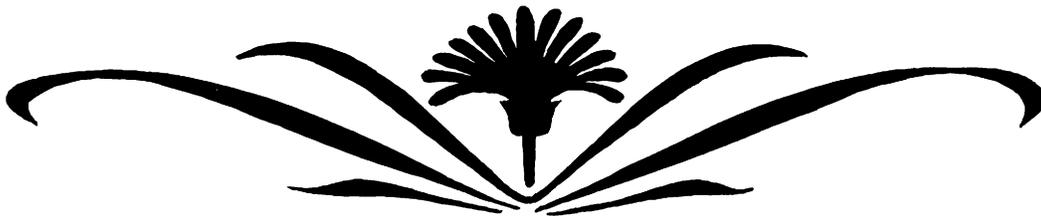
Our next lunch speaker promises to be of special interest to me, a Mechanical Engineering Department veteran. Jim Triplett, Engineering Division Director, will talk about new Engineering Division directions.

Some items that could use input from our members came up at the April Ex-L Board meeting:

- Each year our organization has been making contributions to various charities in the Bay Area, and board members would welcome any suggestions of worthy causes to consider.
- Another point was made that while local members can, and do, take advantage of our quarterly luncheons, those who live outside the Bay Area can rarely join us. We would appreciate any suggestions you may have about ways the organization can provide more value to its distant members.
- Finally, Terry Powell, our LBNL contact, mentioned that the Laboratory newspaper, *Currents*, may begin to include articles on earlier (read “historical” or even “historic”) Lab activities. Terry would be happy to receive any stories from us of the “good old days.”

Our new webmaster, Dick Baker, reported that he has updated our web page to include the latest issues of the Ex-L Ex-Press and other current information on our organization. You can get there at [www.lbl.gov/ex-L-express](http://www.lbl.gov/ex-L-express).

Hope to see you at the lunch on the 15<sup>th</sup>.





### **2003 Spring Lunch**

**Date:** Thursday, May 15, 2003

**Where:** Spenger's Fresh Fish Grotto  
1919 Fourth St.  
Berkeley

**Time:** No-host Bar: 11:30 AM  
Lunch Served: 12:00 Noon

**Speaker:** Jim Triplett, Head of Engineering, LBNL

**Subject:** New Developments in Engineering at LBNL

**Menu:** Bay Shrimp Louie Salad (with cup of chowder)  
Parmesan Petrale Sole w/ Lemon Caper Butter (with dinner salad)  
Flatiron Steak w/mushroom demi-glaze (with dinner salad)

**Cost:** \$18 per person (PREPAID)

**Reservations:** Payable to EX-Ls. Send to Inge Henle  
820 Villa Lane #3  
Moraga, CA 94556

**Spenger's management policy makes it absolutely imperative  
that they receive reservations by May 9, 2003**

**(Reservation slip on last page)**

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## From our February lunch

*Reported by Sig Rogers, EX-Ls First Vice-President:* Sally Benson, Laboratory Deputy Director for Operations, was our luncheon speaker. Her talk covered two subjects: carbon sequestration and the current state of the Laboratory.

In the past 60 years, the amount of carbon dioxide (CO<sub>2</sub>) emitted to the atmosphere, primarily by the use of fossil fuels, has risen from 280 parts per million to present levels greater than 365 ppm. Predictions of global energy use in the next century suggest continued increase in carbon emissions and rising concentrations of CO<sub>2</sub> in the atmosphere unless changes are made in how we produce and use energy, and in particular how we manage carbon. One way to reduce carbon is to produce and use fossil energy more efficiently. Another is to increase our use of low carbon and carbon free fuels such as solar energy, wind power, and biomass fuels. The newest approach to management of carbon is carbon sequestration.

Carbon Sequestration refers to the provision of long-term storage of carbon in the earth biosphere, under the ground or in the oceans, so that buildup of carbon dioxide (the principal greenhouse gas) concentration in the atmosphere will be minimized or decreased. In some cases this is accomplished by maintaining or enhancing natural processes; in other cases, novel techniques are developed to dispose of carbon. DOE is focusing efforts in several areas:

- Sequestering carbon in underground geologic repositories: Research related to understanding the geophysics and geochemistry of potential underground reservoirs, e.g., oilfields.
- Enhancing the natural terrestrial cycle: Research into ways to increase the net fixation of atmospheric CO<sub>2</sub> in terrestrial vegetation, and enhancing the transformation of carbon to organic soil matter.
- Carbon sequestration in oceans: The ocean is a large potential sink. One strategy is to enhance the natural phytoplankton uptake of carbon by micro- or macronutrients. Another is direct injection of CO<sub>2</sub> at ocean depths greater than 1000 m. Possible sources of direct injection include power plants and industrial facilities.
- Sequencing genomes of microorganisms for carbon management: It is hoped that genomic research can develop microbes that would, for example, feed on methane, release hydrogen, and sequester carbon.

Many of the processes that have been proposed require significant expenditures of energy, which in turn generate carbon dioxide; thus one of the most challenging issues is to find ways of sequestering carbon that produce significantly less CO<sub>2</sub> than they consume.

Sally also spoke briefly on the current state of the Lab. In regard to the ongoing congressional investigations, we look pretty clean and our inventory systems are much better than LANL and LLNL. Lab space is at a premium [isn't *that* a surprise!] and very expensive to build. Construction should begin soon on a new office complex near the 50 Complex that will free up lab space in existing buildings. This has been enabled through some innovative contracting. The

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building will be funded and built by non-governmental financing. LBNL will then lease it and at the end of the lease the Lab has the option to buy it for \$1. With the limited amount of capital federal funding available, this seems like a great deal.

*Table Hopping in February, by Shirley Ashley:* A record crowd of 98 attended this luncheon prompting several to ask “How come?” Whatever the reason—the announced speaker, the company of old friends, the location—doesn’t matter. The chatter was lively as usual. I ran into a couple of first-timers there too. Stephanie Roth and Maxine Adams did the honors at the hostess table helping our Activities Officer, Inge Henle. Eleanor Dahl, a regular at that table, is recovering from recent surgery and to quote her husband, Per, she is a “tough cookie” and doing just great after three days at home.

Two Laboratory retirees who would appreciate hearing from their EX-L friends are Don Prestella and Ed Pollack. Chief Silva said that Don was sorry to miss the lunch as he usually attends but he was in the hospital, and Inge Henle announced that Ed recently suffered a couple of strokes and is home now recovering.

While waiting in line to sign in I spoke with Fred Perry, his first time at the EX-L lunches. He said he recently retired from the Lab. When asked what he was doing with his time off, he said “Fishing.” Then he added “...in Alaska”. Way to go. And Bob Mortiboy behind him in line said he had attended his 60<sup>th</sup> high school reunion in Wisconsin lately – I asked how he found folks and he replied OLDER! And Ed and Josephine Lundberg were in Delaware when it never got above 10 degrees – Ed commented that they froze their “bippies off”. Help me here – I couldn’t find that word in the dictionary.

Ken Lou and his wife are planning another hostel trip but nearby this time – to Ventura in April. They’ll be staying at a hotel designed by Frank Lloyd Wright Associates to learn all about digital photography. The software and camera will be supplied and with a professional photographer as the teacher they’ll learn all about the process and make beautiful pictures. [Ken called me after the trip to report that the traveling was even better than the great classes and high-tech equipment, because of the opportunity it gave him to be with his daughters. (Daughter #2 on the drive down and daughter #1 on the way back.)]

Gene and Myrna Binnall had a super holiday in September with their grandchildren. They celebrated the birthday of one grandchild by treating them to a stay at the Disneyland Hotel and taking in all the pleasures of the Magic Kingdom. And another birthday celebration – Jo Barrera celebrated her granddaughter’s 15<sup>th</sup> birthday with a trip to Hawaii. Another couple enjoying their young grandchildren are the Al Klevins.

When I stopped to speak to Ellie Ralph and Nina I was told that they meet weekly at the Alta Bates Cardiac Rehabilitation Center. The two girls look great so I guess the therapy is working. They also said that member Roger Hughes also attends.

The Everetts had a good trip to the National Bowling Tourney in Billings, Montana, then visited Cody, Wyoming, and went on to Salem, Oregon for a very special occasion with

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Bob's Father, Sheridan Everett, who celebrated his 100<sup>th</sup> birthday. What an achievement.

Paul and Nancy Henrickson celebrated their 45<sup>th</sup> wedding Anniversary with a trip to Alaska last summer. But now Nancy says they spend their time with their grandchildren – she makes chocolate chip cookies for them and Paul keeps popsicles in the freezer which he distributes to neighbor children as well as his grandkids. And Paul said that he was reading and enjoying the book simply called “Alvarez” by Luis Alvarez.

Al Amon and Betty are going on a cruise in April down Mexico way – They'll be using their dancing slippers as they are going with a Ballroom Dance group they dance with frequently. How about that? Isn't there a 1940s song called “Down Mexico Way?” As I write this that melody goes through my head – a good one to swing to.

When asked what he had been up to by way of travel, Branko Leskovar said he decided to stay stateside and spent some time in Las Vegas seeing the shows – no gambling for him he said – and then he spent time in beautiful Yosemite – the falls were full at the time and his stay was great.

The Wolgasts have been working hard putting in a retaining wall to make sure their hill doesn't slide away from under them. Doug Drummond is happy to be back to normal living after a 4-bypass heart surgery on October 17. He is back square dancing again. And Geores Buttner came up to me and told me he is going to be running from Chicago to Santa Monica starting on April 2<sup>nd</sup> following Route 66. We'll look forward to that report.

Gertrude Young said that she has been a member for 10 years of a group working to create a new state agency that would assure health care for all residents. The proposed legislation – SB921 – will be coming before the house and she is hopeful that everyone will write their senators and assembly persons urging their support.

The door prizes were picked up by Myrna Binnall – big box of cookies; Janis Dairiki – yo ho ho a bottle of rum; and Dave Stevens (yep our lucky editor) – Baileys.

*Luncheon Attendees:*

Maxine Adams	Bob & Elizabeth Birge	Jack & Darlene Franck
Jose Alonso	Don & Yvonne Blackman	Bob Fulton
Al Amon	Stanley Boyle	Frank & Maxine Garnier
Shirley Ashley	Dick Burleigh	Abe & Marj Glicksman
Bill Baker	Geores & Katie Buttner	Jim Haley
Richard Baker	Chet & Daisy Cernac	Warren Harnden
Winnie Baker	Chuck Courey	Inge Henle
Josephine Barrera	Per Dahl	Victor Henri
Tom Beales	Janis & Ned Dairiki	Paul & Nancy Henrickson
Bill Benson	Doug Drummond	Wini Heppler
Sally Benson (speaker)	Andy DuBois	Egon Hoyer
Bill Bigelow	Reid Edwards	Roger & Lois Hughes
Gene & Myrna Binnall	Bob & Judy Everett	Robert & Barbara Kaufmann

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Elmer Kelly	Fritz & June Marg	Gary Schleimer
Al Kleven	Bob Meuser	Ben Shuey
Ralph Kujala	Bob Miller	Elmer Silva
Bud Larsh	Ken Mirk	Robbie & Mary Smits
Branko Leskovar	Robert & Jo Morris	Dave Stevens
Edward & Lucienne Lofgren	Bob Mortiboy	Hugh & June Stoddard
Ken Lou	Torlief Myhrer	Clyde Taylor
Katherine Lucas	Charles Ogden	Samuel Villa
Jo & Ed Lundberg	Wendell Olson	Fred & Louise Vogelsberg
Donald Lundgren	Fred Perry	Richard Wolgast
Dour Macdonald	Ellie & Gwen Ralph	Gertrude Young
	Ed Reioux	

### Editor's Note

If it weren't for Shirley's table-hopping notes, one would think that most Ex-Lers just sit at home and eat bon-bons and watch the soaps. Surely some of you who don't make our luncheons also engage in interesting or unexpected activities that might be of interest to your fellow members. Bill Benson's avocation of chasing eclipses (see below) is a case in point. It seems that many of us travel, but do we travel only as passengers or do we (sometimes, at least) have a purpose? Do we read anything interesting? Do we engage in volunteer work that could use additional willing hands? Why not drop me a line about something you do, or have done, or are about to do, or would like to do: If you find it interesting, the odds are that a lot of the rest of us will, too! Articles or ideas for articles may be submitted via e-mail (stevens@LMI.net or david\_stevens@attbi.com) or snail-mail to Dave Stevens, 1107 Amador Ave, Berkeley, CA 94707, or even telephone (510-524-2904). Thanks—

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### Luncheon Logistics

You may think the our luncheons just happen: Not so. Inge Henle does much of the behind-the scenes work, and **she needs help**.

Firstly, she still needs help with registration. This is an opportunity to make sure you greet all your friends as they arrive. This need not be a lifetime commitment: If we can develop a cadre of folks willing to help, nobody would have to work more than once a year. If you are interested, please call Inge at 925-376-6156.

Secondly, the restaurant insists that beefeaters announce their intentions ahead of time. If you wish a meaty lunch, you **must** reserve your slice in advance. Last-minute arrivals can sign up for the salad or fish, but if you didn't make a timely reservation, you're not entitled to beef.

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## **New Web Site Up!**

Richard Baker has completed his revision and updating of the EX-Ls web site. You can reach it through the A-Z Listing on LBNL's home page (at the A-Z page, click on E; the Ex-L link is near the bottom of the list) or directly at [www.lbl.gov/ex-L-express](http://www.lbl.gov/ex-L-express). Check it out.

### **Highlights of the CUCRA Meeting, March 20, 2003** **Bob Fulton, EX-Ls CUCRA representative**

[Bob's full report is available on the Ex-Ls web site.]

Assistant UC Treasurer Mel Stanton gave a short presentation on the fixed-income portion of the UCRS investments. He pointed out that they had begun to incorporate a relatively new government instrument called TIPS (inflation-protected treasuries) into their investments and that this had proven to be effective, and that the fixed-income portion of the investment program has been ahead of its benchmark recently.

Mark Esteban and Michelle French from the Office of the President discussed Health Care Issues. UCRS is considering joining with PERS in bidding health care plans, but has not made a final decision. The present Governor's budget includes no inflation for UC health care plans, so members can expect to continue to shoulder increasing portions of their health care costs.

Lisa Wagner of the Office of President discussion the Health Care Facilitator program that the University has developed and put in place over the last few years. Health Care Facilitators are developing a number of educational programs and workshops on Medicare, prescriptions, elder care and community resources. [You will hear more about LBNL's Health Care Facilitator in future issues of the Express.]

### **A Conversation with the Lab**

As part of its effort to seek more contact with Laboratory friends and neighbors, the Lab's Community Relations Office is sponsoring "A Conversation about Lab Activities", scheduled for Thursday, May 8, 2003, 7:30-9:30 p.m. in the Haas Clubhouse in the Strawberry Canyon Recreation Area.

### **Eclipse Experiences** **Bill Benson**

It is fortuitous that the sun and moon have nearly the same apparent size in the sky—so that a total solar eclipse is possible, and when it happens, it will be spectacular—and that the moon's orbit is slightly inclined to the earth's and slightly eccentric—so the event is uncommon.

The most dramatic moments are just before complete totality, when the sun is reduced to discrete points of light—Baily's beads—peeking through irregularities at the edge of the moon, and then instants later when the solar corona bursts into view all around. If you have a high vantage point, and the self-discipline to briefly look away (not in my case), you may also see the moon's shadow sweep very quickly across the ground.

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The sky is darkened, but not really dark, with a diffuse light around the horizon, and with a sense of quiet and time suspended.

Aside from the wonder and awe—a direct connection with cosmic events—why go?

Since the best viewing conditions might be anywhere on earth (and some people show off T-shirts from Mongolia and other exotic locations to prove it), an eclipse can provide the impetus to travel where you otherwise might not consider going. Part of the pleasure in any travel is the fun of planning a trip, and then later experiencing the unplanned.

No matter how carefully you select for good weather, you can always be unlucky. On the other hand, it's very satisfying when clouds threaten but then dissipate at the last moment. Some examples below, but first an egregious mistake in planning, caught in time to prevent severe disappointment.

The eclipse track on June 21, 2001 started off the coast of South America and continued across the Atlantic and southern Africa, with best chances for clear skies, as well as longest duration of totality, on the coast of Angola. Since civil war there made this unappealing, I wondered if there might be an island in the mid-Atlantic on the track. Sure enough Ascension Island looked ideal. A speck of British territory, occupied to pre-empt the French from using it as a base to liberate Napoleon from St. Helena, it also served as a staging area in the Falklands war, so there was historical interest as a bonus. Fearing competition for limited accommodation and access, I got a very early start on reservations for the once-a-week RAF flights from England. Then on closer inspection I realized I'd reversed latitude and longitude. Luckily they wouldn't take my money that far in advance.

Our first success, February 26 1998, was on Curaçao, a small barren island of Dutch heritage in the Caribbean off the coast of Venezuela. Everything looked ideal: It almost never rained, and large areas were uninhabited but still easy to get to. Still, on the morning of the eclipse there was actual precipitation in the air (and this on a desert island, which seemed very unfair). With plenty of time to go, we went to the post office to at least get commemorative stamps and envelopes, and were rewarded with clear skies when we emerged several hours later.

We got a late start on the eclipse of July 11 1991, so expecting too much competition for Hawaii or Baja, we went to the beach at Mazatlan instead. Again it was sunny right up to the day of the eclipse, and then became solidly overcast. At the airport on the way home, though, we heard a few other people say they did get a glimpse through an opening for a least a few seconds.

Again, in Turkey for the eclipse of August 11, 1999, the weather was beautiful right up until the morning of the day itself, when scattered clouds perversely began to accumulate. Staying where we were, it looked like it might be touch and go, but since we were mobile with a car, we drove a bit toward the west, and finally settled along a country road. There was no wind and the clouds hardly seemed to move but rather dissolve and then re-form elsewhere. Gradually as totality approached there was just a single one that hovered near the sun. With only seconds to go we drove on at high speed only to hit a rough rocky detour. Torn between not damaging the car and missing the most important moment, we stopped just in time, and the sky was miraculously

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already completely clear all around. (Among the unplanned events on this expedition was a major earthquake.)

If you would like to research upcoming eclipses, NASA provides one of the best web sites: <<http://sunearth.gsfc.nasa.gov/eclipse/eclipse.html>>. Fred Espenak generally prepares a comprehensive bulletin a year or more in advance and discusses the pros and cons of where to go. It looks like the next reasonable opportunity (aside from Antarctica this November 23) will be in Turkey on March 29, 2006.

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## **Trip Reports**

### **The Grand Canyon – Part 3**

**Geores Buttner**

At the end of Part 2 we were floating down the Colorado on a raft in ready, still using the library theme, to explore the aisles of GeeGee's Grand Canyon.

Aisles such as Elves Chasm, where Royal Arch Creek has designed a unique waterfall whose backside is accessible through a horseshoe-shaped tunnel after a short swim across the pool that the fall has created. The cool swim is a prerequisite because the moss-laden rock walls on both sides of the pool are steep and slippery, not only with the moss, but also with maidenhair fern growing everywhere possible. The lower end of the tunnel is on the right side of the waterfall's climax, where you can enter into its mouth and ascend semicircular to an opening behind the fall a few feet above the pool's surface: a special place in the universe. The next step is not a step, but a dive into the plunging fall and plunge as well. After the plummet down to a dark depth, emergence back to atmosphere in the exact middle of the pool makes a high on any chemical substance seem totally ridiculous.

Aisles such as the Conquistador Aisle five miles further down the river—where no conquistador has ever been. But it does play host, way up there on its top shelves, to the best mountain sheep section in the whole library. And the Blacktail Canyon entrance provides a great opportunity for a hands-on study of the Great Unconformity.

Aisles such as the (unnamed?) one, after another 16-mile float, designed by the blue-green water of Havasu Creek, where inviting pools of transparent emerald gems pause between descending rushes of whitewater. This aisle is also where some of the most spectacular semicircular gatherings of travertine people are to be found. These seemingly frozen, rainbow-hued, vertical curtains of  $\text{CaCO}_3$  are terraced aside the cliffs that overlook each cascade, including the five waterfalls of considerable stature along the creek's journey. They hold little ponds of the spring water that percolates through the rocks from Babs's (Kaibab Formation) limestone inhabitants a thousand feet above and is rich in carbonate minerals. As this essential seeps over pond's edge and is blown by the wind, more travertine folk are precipitated, giving the curtains a constant fresh appearance between these 400-million-year-old walls of Muav Limestone.

Aisles such as a side canyon, after another 11 miles, called Mat-kat-amibe, where a little creek has designed a V-shaped trough not too wide as to be a big problem for stretching four limbs

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outward far enough to make contact with opposite sides of the steep shoreline, so as to traverse upward crablike until greeted by a royal Muav amphitheatre not that far away from the Acropolis of Greece. Except that it's alive and dripping spring juices from its lilac walls onto lush displays of evening primrose and more moss and fern plus an endemic sunflower known as *McDougall's flaveria*.

Aisles such as, down the river another twenty to Mile 168 (as measured from Lee's Ferry), Fern Glen Canyon, where the meandering bed of its creator creek can be followed between towering rugged perpendicular Tapeats Sandstone giants doing a face-off ten feet from each other head to toe. The path opens suddenly, providing a view of even higher strata and a glen replete with more maidenhair fern, *Adiantum capillus-veneris*, with orchid and primrose for colorful company. A glance down provides a reflection of these plants as well in the colorful gravel-bottomed pools the stream has left behind for a summer vacation. A longer point of view down there reveals tadpoles wiggling from cloud to cloud through the blue skies between the cliffs two thousand feet above.

This library can enhance life. It can create death. It can accomplish both at the same time.

*Yet to come: Part 4: Coconino, Hermit Shale, the Supai Group, and "Big Red".*

### **Yucatan, Mexico**

**Bill Baker**

I write this the day after we returned from the Yucatan, Mexico (last night at 8 PM). Had a VERY nice two weeks of fun and adventure in Mayaland with my daughters, Judi, Joyce, and Candace, and hubs Dana and Jason. Candy came in from Ogden, Utah, and met us at the airport in Mexico City. Judi and Jason used another airline, and were the first to arrive at Mérida (accent is on the first syllable). Dana met us at the airport there. We were in Mérida a week, having a ball with room parties and night life, restaurants, and touring Mayan ruins. The weather was pleasantly warm. Clouds kept it that way most of our two weeks in Mexico. The Mayans are a small, darkish, friendly people. There are many Mayan dialects, but Spanish is the universal language. We hired a car and driver to visit a colossal mass of pyramids and buildings at Chichen Itza, 80 miles west of Mérida. They are in good condition, even after being hidden by dense jungle for a thousand years. They were constructed primarily of one-to-two-foot blocks of coral rock, although some blocks are so massive it's a marvel how they ever got moved. Most of Yucatan appeared to be coral rock, which is limestone. Water seeping through the rock has carved out underground rivers and caverns, some of which develop into sink-holes, called *cenotes*. A 100-foot-wide one near the big Chichen Itza pyramid was used by the ancient Mayas for human sacrifices to their gods.

We took a bus to Palenque and rented a station wagon with driver for two days more of exploring ruins. There must have been hundreds of acres of pyramids and buildings, but three quarters of the *Zona Arqueologica* is still covered with dense jungle. We explored about half of what has been cleared. Candy, the youngest, took off on her own, running around exploring

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everything, climbing all the pyramids, and taking hundreds of pics. (They all took hundreds of pics.)

Next, we went to Uxmal, another ruins site. The Mayan pyramids were used for human sacrifice. The Aztecs were doing that at the Mexico City pyramids when Cortez and the Spanish Conquistadores took over and stopped it. By then, the Mayan culture had disappeared and jungle covered their buildings. The Spanish tore the top off of one of the pyramids there and used the blocks to build an enormous church on the several acres of flat space left....It's a nunnery now.

We then took an overnight bus (8 hours) to Vera Cruz for another four days of our room parties, booze, snacks, restaurants—and THE CARNIVAL!!!, Feb 25-Mar 1. That's a Mexican tradition like the Mardi Gras in New Orleans and the world-famous one at Rio in South America. The streets at the *zocalo* (the city center in Mexico) were a mass of partying and dancing people. At 6-7 PM, during the Carnival, there was a parade; not a long one, but VERY noisy. Earth shaking drum beats came from a truck leading the parade with several eight-footish portable boom boxes, followed by a couple of marching bands, then 20 beautiful young women dancers wearing nothing but thongs. The BIG parade that filled the city with people from all over Mexico was scheduled for Saturday, March 1. Unfortunately, we couldn't stay for it. The airline wouldn't let us change the departure date and there wasn't an empty room left in the city. Miles of seven-tiered benches lined the parade route, awaiting the big event. There weren't many tourists, the war scare had cut them to 30% of normal, and English was very rare.

Vera Cruz is on the Gulf of Mexico. The Spanish fortified a small 3-acre island just off the coast there to ward off pirates, and used it as a storehouse for the gold, silver and other treasures taken from the Aztecs. To avoid pirates, they collected treasure over 6 month periods and sent it to Spain using several ships. We visited the island. It's now 75 acres, with a causeway to the mainland. A branch of the army is stationed there. The old section, with the first Spanish buildings in Mexico, is a museum open to the public.

My kids have been doing foreign trips every year about this time. They asked me to join them on one to Egypt last year but I was afraid I would slow their fun and didn't go. They have had trips to Greece and the Aegean islands, France and Hungary and New Zealand. Next year is tentatively Turkey—but wherever it is, after the adventure and fun of this one, I'm ready to go!

### **Useful Web Sites**

The following Web sites may be of general interest to EX-Lers. If there are others you think should be added to this list, please let me know. //dfs//

Ex-L Express: [www.lbl.gov/ex-L-express](http://www.lbl.gov/ex-L-express)

Center for Research and Education in Aging (CREA): [crea.berkeley.edu](http://crea.berkeley.edu)

Berkeley Retirement Center: [thecenter.berkeley.edu](http://thecenter.berkeley.edu)

UC Benefits: [atyourservice.ucop.edu](http://atyourservice.ucop.edu)

Daily news from LBL: [www.lbl.gov/today/](http://www.lbl.gov/today/) [updated each work day]

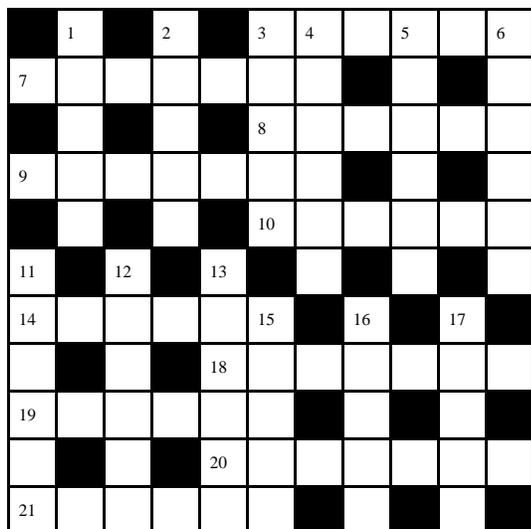
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## Erratum

In an earlier newsletter I stated that one needed to apply in person to receive a Berkeley Retirement Center ID card. I have since learned that it is possible to apply via e-mail, phone, or fax. Call 510-642-5461 for details.

## EX-L 2

*Erith Ehrer*



This is another straightforward cryptic crossword. (For a description of what it means to be “cryptic”, see EX-L 1 in the January newsletter.) Erith hints that future puzzles may start to get more difficult. Note that although there appears to be no connection between the two halves of the puzzle, there are two clues with multi-word solutions containing words in each half. Erith also notes that a case of beer will provide two additional letters for each of the five-letter words that has only two unchecked letters. (Solution next issue.)

### Across

- 3, 13D. Careless shepherd put broken bottle in a messy pile before taking a half step. (6, 2, 4)
7. Drunk, I, in a buzz, light metal. (7)
8. Two guys might be found by some lakes. (6)
9. Hopper backtalk in a flophouse. (7)
10. Greek wine incurs loss of second ocular membrane. (6)
14. Flower companies take some back with no end of grace. (6)
18. Monumental structure may drip all over the place. (7)
19. Canon backs study of American philosopher’s retreat. (6)
20. See 3D.
21. High-ranking messenger with fluids expresses acidity. (6)

### Down

1. “I will” is often heard in a section of a church. (5)
2. Miserly man wears a hat. (5)
- 3, 20A. Disorderly puerile clans lead to blood on the moon. (5, 7)
4. Jumping rorqual with pod representations. (6)
5. Muddy? Dry up; I would. (6)
6. A baseball team, perhaps, gets a measure up in final. (6)
11. Hood in ship has a threatening look. (6)
12. Tree god may be seen on the front of some buildings. (6).
13. See 3A.
15. Temporally coordinate an audible fall. (6)
16. Alumni in a tub. (5)
17. Wash in beer in secret. (5)

## Solution to Ex-L 1

<sup>1</sup> R	E	<sup>2</sup> T	I	<sup>3</sup> R	E	<sup>4</sup> M	E	<sup>5</sup> N	T	
E		E		E		E		E		<sup>6</sup> S
<sup>7</sup> S	O	A	R	S		<sup>8</sup> S	K	I	R	L
T				C		S		T		O
	<sup>9</sup> G	<sup>10</sup> R	O	U	P		<sup>11</sup> C	H	I	P
<sup>12</sup> T		E		E		<sup>13</sup> A		E		E
<sup>14</sup> R	O	V	E		<sup>15</sup> F	L	I	R	T	
A		E		<sup>16</sup> S		U				<sup>17</sup> S
<sup>18</sup> C	A	R	G	O		<sup>19</sup> M	A	<sup>20</sup> C	A	W
E		S		F		N		H		A
	<sup>21</sup> R	E	L	A	X	A	T	I	O	N

In the notes,

[anag] = anagram,

[hom] = homophone,

[rev] = reverse,

( ) = delete the letter(s) included in  
parens,

*in* = inserted into, and

+ = concatenate.

Many devices are employed in clues to signal the involvement of an anagram in the solution. For this one time only, where applicable, I have given in the notes the anagram indicator that was used. The indicators shown here by no means exhaust the possibilities.

Across

1. [re-enter Tim] [anag; *in confusion*]
7. sores [hom]
8. ski + r + l
9. gro(w) + up
11. pi(t)ch [anag; *out*]
14. over, *moving r from end to front*
15. trift(e) [anag; *in disorder*]
18. car + go
19. ca' *in maw*
21. ax *in relation*

Down

1. two meanings
2. (s)tea(m)
3. secure [anag; *new order*]
4. two meanings
5. i *in nether*
6. s + lope
10. severer [anag; *mess*]
12. (ex)tra ce(llos) [hidden word]
13. alum + an(d) [rev]
16. so + fa
17. s + wan
20. ich, *moving i from front to end*





**EX-Ls EXPRESS – Spring 2003**

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We welcome attendance at our board meetings; we're always ready for new input.

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