



Crackers

COSMOPOLITAN CLUB OF SANTA BARBARA INC.

Vol LXV No. 17

Editor: Chuck Evans



Next meeting: March 5, 2020

Next Editor: Jim Gravitt

(805) 344-4443

jgravitt2@gmail.com

Next Sgt-at-Arms: Judy Fontana

(805) 967-7911

judithannfontana@yahoo.com

Club meetings are held 1st and 3rd Thursdays at Elks Lodge, 150 N Kellogg Ave, Goleta.

Meeting start time: 12 p.m. prompt

(Please arrive 11:30-11:45 a.m.)

Cosmo Joins Facebook

Cosmo now has its own [Facebook page](#). All posts will be public, so that even members who have not yet joined Facebook can see our posts; however, if you have already joined Facebook, be sure to "like" our page and "share" our posts. If you have any questions or suggestions, please contact Editorial Assistant [Eric Torbet](#).

Website and Online Membership Roster

Access the Cosmo website sbcosmo.com for current and archived issues of Crackers. A link will lead to the password-protected Roster. The password will be provided in the email that covers the distribution of the Crackers. If you find any errors in your listing in the Roster, please contact Editorial Assistant [Eric Torbet](#).

Highlights From This Issue

- Next meeting: AlloSphere lecture (p. 2)
- Field trip to opera (p. 2)
- Potential new member (p. 3)

Cosmo Marketing Committee

The Marketing Committee is encouraging all current members to recruit additional members. Please go to sbcosmo.com and click on one of the four links at the bottom of the homepage, which include: a recording of a radio program interview with current members; a link to the Club email where prospects can request information about applying; a link to a downloadable Membership Application; and a link to review the Club's Constitution. We hope all of these tools will help in our recruiting efforts.

Free Lunch Guidelines for New Members

Upon a prospective member's first visit to a regular lunch meeting, he/she will be entitled to receive a free lunch, courtesy of the club. To arrange for this, the guest's sponsor will introduce the guest to the assigned "Guest Introduction" member stationed at the welcome desk. *The Guest Introduction member will provide a "chit" which may be exchanged for a meal ticket at the "Ticket Taker's" desk near the entry to the hall.*

A second set of chits will be given to a new member and his/her sponsor at the meeting where they are seated at the president's table and the sponsor introduces the new member to the membership at that meeting. *If the chits are not already at the Ticket Taker's table, check with the president to obtain these so that they may be exchanged for meal tickets.*

Cosmo Members Ailing

If you learn that one of our members is ill or injured, please notify Editorial Assistant [Eric Torbet](#).

Upcoming Meetings

March 5, 2020

Composing and Performing Complex Systems: From the Quantum to the Cosmological

JC Elliott will introduce **JoAnn Kuchera-Morin**, a composer, Professor of Media Arts and Technology and Music, and a researcher in multi-modal media systems, content and facilities design at UCSB. She created, built, and designed the Center for Research in Electronic Art Technology and is the Center Director since its inception in 1986. Her years of experience in digital media research led to the creation of a multi-million-dollar sponsored research program for the University of California, the Digital Media Innovation Program. She was Chief Scientist of the Program from 1998 to 2003. In 2000 she began the creation, design, and development of a Digital Media Center within the California Nanosystems Institute.

The culmination of her design is the AlloSphere Research Laboratory, a three-story metal sphere inside an echo-free cube, designed for immersive, interactive scientific and artistic investigation of multi-dimensional data sets. Think of the AlloSphere as a large, dynamically varying digital microscope that's connected to a super-computer. Twenty researchers can stand on a bridge suspended inside of the sphere and be completely immersed in their data. Imagine if a team of physicists could stand inside of an atom and watch and hear electrons spin. Imagine if a group of sculptors could be inside of a lattice of atoms and sculpt with their material. Imagine if a team of surgeons could fly into the brain, as though it was a world, and see tissues as landscapes, and hear blood density levels as music. This is some of the research at the AlloSphere.



March 19, 2020

Are You Ready for a Big, Bipartisan Solution to Climate Change?

Karl Hutterer will introduce **Stan Roden, JD**. A group of scientists at MIT and the Univ. of Massachusetts has created a sophisticated set of simulations to model what a range of possible actions and policies will do to lower the release of greenhouse gases and global warming. In his highly



interactive presentation, Stan Roden will ask us to take a hand in moving the various "levers" of the simulations and assess the outcomes.

Stan Roden practiced trial law in Santa Barbara for over 35 years, including eight years as Santa Barbara County District Attorney. For the last six years, Stan has directed and produced social justice short documentary films. Stan serves on the steering committee for the local chapter of Citizens Climate Lobby.

April 2, 2020

Channel Islands Marine Sanctuary

Karl Hutterer will introduce **Chris Mobley**, who will speak about the Channel Islands National Marine Sanctuary.



Chris has been Sanctuary Superintendent since the Fall of 2001. He began his NOAA career in 1987 as a commissioned officer in the NOAA corps, serving aboard the NOAA ship Malcom Baldrige as deck officer, working diver, and shipboard computer manager. He then worked for ten years in NOAA Fisheries' Santa Rosa, CA field office, followed by a stint in Silver Spring, MD.

During his career, Chris has had extensive experience in building partnerships and collaborating with state and federal agencies, local government, tribes, businesses, and non-profit organizations, often on highly controversial and contentious issues. Chris has a B.A. in Biology from Dartmouth, an M.S. in Oceanography from the Univ. of Washington, and an M.B.A. from Sonoma State.

Special Events

March 8, 2020

Opera & Lunch

Fred Sidon is organizing another trip to the opera, with lunch beforehand, on Sunday March 8. The opera is *Il Postino* (music by Daniel Catán), performed at The Lobero Theatre. Lunch is at noon at the La Cumbre Country Club, followed by the opera at 2:30 p.m. Fred has made arrangements to obtain the group rate price. The total price (includes opera, lunch, tax, tips) is either \$75, \$100, or \$117, depending on seat choice.



Please contact Fred Sidon if interested: (805) 967-6757 or frsidon@impulse.net

Regular Events

Discussion Group

The Discussion Group meets once a month in the upstairs room immediately following regular luncheon programs. The future topics are:



March 19 (Jim Davis): *The Phantom we call "Justice"*

April 16 (Kevin Ryan): *Medicine vs Healthcare Business: Are the incentives incompatible?*

May 21 (Jim Hemmer): *Origins of Chariot and Spread of Indo-Iranian Language (2,200-1,800 BC)*

June 18 (Jim Davis): *The Nuclear Weapons Debate*

Tennis

They play doubles four times a week on a private court off 122 Patterson Avenue behind the office buildings. The Cosmo Group starts rallying at 7:45 am Monday, Wednesday, Thursday and Friday. All Club tennis players are invited. Contact Jim Subject at (805) 964-2020, jsubject@aol.com or Joe Abram at (805) 845-8579, jabrammd@gmail.com for additional info.



Golf

Announcement: All Cosmo members are invited to attend the 3rd Annual Cosmo Golf Club "New Year Tournament and Dinner" on **Wednesday, March 18**, at the Glenn Annie Golf Club. Contact Ron Singer for details.

Mondays we usually meet at the Santa Barbara Golf Club (Muni). Tee times most often begin at 10:15 a.m. Contact [Ron Singer](#) at (805) 684-1355 by the prior Friday for your tee time. These outings are a great way to gain new members, so invite your friends. We also have games on Wednesdays and Fridays at other area courses. Contact Ron to get on the mailing list. New members can use the [website](#) to register and sign up for additional news.



Proposed For Membership

David Badger

5356 Calle Real, Apt 1B
Santa Barbara, CA 93111
(805) 679-5468

Sponsors: Jim Hemmer and JC Elliott

David ("Dave") Badger spent his career in education, at Suffield Academy, Athens College, and Chadwick Academy, where he was teacher/coach/headmaster. As well, he was the director of a for-profit hospital for one year. He holds both a BA (Dartmouth) and MA.

Interestingly, Dave's father was a world class skater (National titles, Olympic medals). Dave's wife is Susan, and together they have a son and daughter. Dave enjoys flying, travel, bike riding, singing, and skiing. In joining Cosmo, he hopes to find companionship and stimulating conversation.

Last Meeting

February 20, 2020

The ticket sellers were Walt Clapp and Anne Weber. The punchbowl host was Gerhart Hoffmeister. Audio-visual duties were handled by Bob Weber, Orlando Ramirez and Bill Alexander. Gerard Kuiken was sergeant-at-arms. The invocation prayer was offered by Bill Alexander.

Wine Drawing

Bob Zimels awarded Craig Lewis, our Guest Speaker, a bottle of Korbel Champagne. He also awarded himself a bottle of Bogle 2016 petite syrah!



Welcome Our Guests

Steve Petersen introduced the following guest:



Dave Badger, sponsored by Jim Hemmer, has formally applied for membership. Please see above for Dave's bio.

Program Synopsis

Goleta Load Pocket Community Microgrid: Bringing Renewable-Driven Resilience to the Santa Barbara Region

Kevin Ryan introduced **Craig Lewis**, Founder and Executive Director of Clean Coalition, a non-profit organization founded in 2011, whose mission is to accelerate the transition to renewable energy and a modern electrical grid. Its goal is to make clean local energy accessible now.



Mr. Lewis said Clean Coalition provides a new approach to designing and operating the grid. This will utilize clean local solar energy, energy storage, and electric vehicle charging. Our present system of large, centralized power plants is vulnerable to massive outages from natural disaster and acts of terrorism, and smaller, decentralized local renewables will reduce this risk. The renewable energy end game: 100% renewable energy; 25% local, interconnected within the distribution grid and ensuring resilience without dependence on the transmission grid; and 75% remote, fully dependent on the transmission grid for serving loads.

Mr. Lewis said the Goleta Load Pocket (GLP) is a perfect opportunity for a comprehensive Community Microgrid. The GLP spans 70 miles of Southern California coastline, from Point Conception to Lake Casitas, encompassing Goleta, Santa Barbara, Montecito, and Carpinteria. It is highly transmission vulnerable, served by just one set of transmission lines from the Goleta substation at the top of Glen Annie Road that are hung on the same transmission towers, and are routed through 40 miles of mountainous terrain.

The planned goal of 200 MW of solar and 400 MWh of energy storage will provide 100% protection to the GLP against a complete transmission outage, with about 5 times the amount of solar currently deployed and about 7% of the area's technical siting potential on built environments like rooftops and parking lots. This Community Microgrid will provide a unique opportunity to bring a disaster-prone region indefinite renewables-driven power, providing the community unparalleled resilience. Nobody has yet to quantify the value of such resilience. The Clean Coalition aims to establish standardized Value of Resilience (VOR) for 3 tiers of loads: Tier 1 for mission critical needs at 10%, Tier 2 for priority uses at 15%, and Tier 3 for discretionary uses at 75%.

Montecito will provide the first portion of the GLP Community Microgrid, with initial critical facilities at the Montecito Fire Protection District and the Montecito Water District headquarters, and the Montecito Union School for emergency response and sheltering. During a long-term power outage, these Community Microgrid sites will keep these critical community facilities operational. The goal is to provide renewables-driven resilience to critical community facilities, and it will showcase the benefits of Community Microgrids for communities around the world.

The goal is, from 2025 onward, at least 25% of all electricity generated from newly added generation capacity in the United States will be from local renewable energy sources. Craig Lewis with his presentation gave us hope that, with Community Microgrids, we will not have to expect massive, extended power outages that we have heard a good deal about lately.