



Crackers

COSMOPOLITAN CLUB OF SANTA BARBARA INC.

Vol LIX No. 18

Editor: Jim Munroe



Crackers Editor

Next Meeting: Apr 17, 2014

Next Editor: Harv Turner

Phone: (805) 967-0741

E-Mail: olharv@gmail.com

Next Sgt. at Arms: Ken Wolf

Phone: (805) 845-4757

E-Mail: stuf_4us@cox.net

Access the COSMO website at
<http://sbcosmo.com>
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Meeting Staff:

Ticket Sellers: Dan Cross & Marv Norman

Punchbowl: A. B. Clarke

Invocation: Ray Rosecrans

Sergeant-at-Arms: Ken Wolf

Photography: Ron White

Only Two Meetings Left!

Cosmo's new member incentive program continues through the meeting on May 1, 2014:

- 1) Bring a potential member as your guest to a lunch meeting and the guest lunch will be free. All members that bring a qualifying guest to the meeting will be put in a special drawing to be held at the meeting on May 01, 2014.
- 2) If a member submits a new member application for his guest he will receive 1 more chance (2 TOTAL) in the special drawing and a free lunch for him and the nominee at the meeting where the applicant is interviewed.
- 3) When the new inductee is presented as a new member, the primary sponsor for the new member will receive 2 free lunch passes.

Prize: Free Cosmopolitan Club lunch for the remainder of 2014

Next Meeting

April 17, 2014

James Rogers

Founder & CEO of Apeel Sciences



"A Revolutionary Way of Reducing Food Spoilage in Africa through Chemistry (rather than refrigeration)"

In the developing world, between 70-90% of produce is lost to spoilage before it can be consumed. In the developed world, this number is closer to 40%. However, this reduction in postharvest loss currently may only be achieved using costly refrigeration methods in conjunction with environmentally damaging pesticides. Apeel Sciences, a startup based in Santa Barbara and backed by the Bill and Melinda Gates Foundation, uses natural plant extracts to develop formulations that are applied to the surface of fresh produce in order to extend shelf life and reduce reliance on refrigeration. When applied to fresh produce and flowers, Apeel's formulas act as ultrathin organic barrier coatings, maintaining the freshness of these perishable items while reducing dependence on pesticides and improving produce quality. This presentation will highlight our work with partners in Kenya and Uganda to develop formulations suitable for smallholder farmers in sub-Saharan Africa.

James Rogers received dual undergraduate degrees from Carnegie Mellon University in Materials Science & Engineering and Biomedical Engineering. He received his Ph.D. in Materials Science from the University of California Santa Barbara. For his Ph.D. research, James was the recipient of the 2012 Frank J. Padden Jr. Award for polymer physics, the premier polymer physics prize in the United States. James is a graduate of the UC Santa Barbara Technology Management Program and also holds a Masters degree in Economics.

Cosmo Member Ailing

If you learn of one of our members suffering from illness or injury, please notify Arlie Skov, 965-5101, askov@earthlink.net

Future Meetings

May 1, 2014

Ladies' Day

Ms. Rebecca Bjork

"Santa Barbara's Water"



Tickets must be purchased in advance
– no lunch ticket sales on May 1

Following a nationwide executive recruitment process culling 91 candidates, Santa Barbara City Administrator Jim Armstrong recently appointed Rebecca Bjork as Public Works Director. Ms. Bjork has filled the vacancy on an interim basis since Christine Andersen retired in November 2013. As Public Works Director, she will oversee the City's largest department with nearly 300 employees and a budget totaling \$117 million. The Public Works Department includes the City's water and wastewater utilities, street maintenance, capital project design and construction, fleet services, downtown parking, and maintenance of over 100 City buildings and facilities.

Ms. Bjork brings 25 years of experience with the City's Public Works Department to the position. Since 2007, Rebecca has served as the City's Water Resources Manager responsible for the water and wastewater utilities, which include the operation and maintenance of the Cater Water Treatment Plant and the El Estero Wastewater Treatment Plant. She oversaw the introduction of ozonation at the Water Treatment Plant to improve the quality and taste of drinking water. Also, she has been instrumental in various renewal and replacement projects for water and wastewater mains and major facilities to extend the life of the City's water resources infrastructure. She joined the City of Santa Barbara in 1989 to implement a federally mandated pretreatment program that was recognized nationally in 1995. Ms. Bjork received a Bachelor's degree from Grinnell College and a Master's Degree from California State University, Northridge.

May 15, 2014

Dr. Robert Harbaugh

"The Grey Tsunami: Dementia"



The Grey Tsunami is bearing down upon societies around the world, as modern healthcare technology, improved access to clean water, and a myriad of other advances in human longevity have created a near doubling of life expectancy in "first world" cultures over the past century. In addition, seniors are simply healthier on average at 90 than in the past, in

enormous numbers, growing daily. In 2013, the prestigious New England Journal of Medicine published a seminal review article from the RAND Corporation that identified "dementia" as the most expensive disorder in the US currently! What does this mean, how has this happened, how can we start to deal with this locally, and what can we (I) do to mitigate this unstoppable trend in human existence? Modern miracles have created new challenges that we need to start to address now, or our grandchildren will be among the first Americans to experience a lower standard of living that previous generations, due to the enormous resources needed to care for our elderly, and especially those who have dementia. Stay tuned ...

Wine Drawing by Bob Zimels

Ralph Edebo took home a '12 Castoro Cellars Pinot Grigio and Paul Coyne won a '11 Mammoth Crest Cabernet Franc, made by Bob Hassler.



WELCOME OUR GUESTS



Guest Introductions with Bill Berry

- Dan Cameron hosted by Mead Northrop
- Paul Chia guested by Chuck Curtis
- Bill Strickland feted by John Delaney

Remember!
Marty Tucker, Senior Services Chair, urges you to check Line Code 402 on your California income tax return to support the state's Fund for Senior Citizens.

Welcome New Members

Karl Hutterer

740 Mission Ridge Road, SB 93105
805-898-0116,
hutterer@sbnature2.org



Karl Hutterer was born in Amanden, Austria. He holds a PhD in anthropology, and has been a Professor and Natural History Museum Director at the Universities of Michigan and Washington. He served as the Executive Director of the Santa Barbara Museum of Natural History from 2000 until last year. Karl and his wife Nancy have been residents of Santa Barbara since 2000, together with their daughters Katarina and Maile. We have heard wonderful talks to the Club from Karl, and now know him well. His interests are gardening, building and beekeeping. Karl was sponsored by Steve Hicks, Don Chalfant and William Stanch.

Robert (Bob) Edward Miller
 1030 Calle Sastre, Apt. D, SB 93105
 805-569-2700,
B.L.Miller@cox.net



Bob Miller first arrived on the scene in San Francisco, CA. He degreed in Business Administration, and has worked as a financial accountant, particularly in the petroleum field for Chevron USA. Bob served in the Air Force in the early 1950's. Bob and his wife Lois have lived in Santa Barbara since 2002. They have son David and daughter Linda. His interests are investing, computers, travel, church and sports. (He indicated he used to play golf). Bob was sponsored by George Scott, Richard Evans, and Don Chalfant.

Regular Events

Bridge



April 3 Winners:

1 st place:	Ed Loper	5590
2 nd place:	David Kain	5420
3 rd place:	Harv Turner	3530

Join us for FUN Bridge upstairs at the Elks Club after all regular meetings; we play until 3:30 PM. Chairman Steve Morgan, 637-1332, or smmphd@cox.net; Co-chair Ed Loper, 967-8630, oliveloper@cox.net.

Cosmo Computer Society

We meet on the second Thursday of the month starting at 10 A.M. upstairs at the Elks Club. Ring the bell at the front door for admission. All members and guests are welcome. Please bring your gadget such as smart phones, tablets, notebooks, or any other digital device. You can show us what it does or ask for advice. We have Wi-Fi available. We enjoy lunch and camaraderie at the Elks Club after our meetings. Chairman Bob Gerity, 963-9413, robtgerity@cox.net.



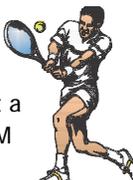
S.A.G.E. Investment Group

We meet monthly at 10 AM on the first Tuesday at the Elks Club. At S.A.G.E. we discuss past and possible future trends in the economy and the stock market. We would welcome your participation. Chair: Walter Naumann, 448-5061, wjnaumann@aol.com.



Tennis

The tennis group plays doubles twice a week at a private court in Shadow Hills starting at 8:00 AM Mondays and Thursdays. All tennis players are invited to participate. Contact Bruce Long (805) 692-4072 or bruce93103@cox.net.



Golf

10:00 AM Thursday, April 24, 2014
Cosmo Golf Tournament
River Course – Alisal (Solvang)



Cosmo members and guests are invited to field 6 foursomes for a delightful day of friendly competitive golf in a beautiful setting. Your \$45.00 entry fee includes green fee, cart and prizes. Tee off time is 10:00 AM. Tournament format TBA. River Course at the Alisal features four lakes and often follows the meandering path of the Santa Ynez River. At 6,830 yards, the par-72 course is challenging but not punishing. The fairways appear wide but mounding along the sides requires accuracy to avoid side hill lies. Some of the tees are elevated and the greens are large with moderate undulations. 40 minutes northwest of Santa Barbara, take Route 154 north, turning left onto Route 246 for the 5-mile run into Solvang. Turn left on Alisal Rd. – the course is ¼ mile on your left. Contact A.B. Clarke, abclarke3@cox.net, to register, or sign up at Cosmo meetings.

10:00 AM Monday, May 12, 2014
Cosmo Golf Tournament
SB Municipal Course

(See registration Form – pages 5 & 6)

Mondays we usually meet at the Santa Barbara Golf Club, (Muni). Tee times range between 9:30 AM to 11:00 AM. Regular walking senior rate is \$26 for 18 holes. Contact Ron Singer (805) 684-1355 or rsinger916@aol.com by the prior Friday for your tee time. Twin Lakes (Par 29) at 9:00 AM. Work on your short game. These outings are a great way to gain new members, so invite your friends.

Additional play at various courses - Contact Ron Singer to get on the e-mail notification list for the Floating Golf Game Circuit. Wednesdays are wandering, often at Glen Annie, and the Friday locations will include courses throughout the tri-county area. A. B. Clarke and Steven Stonefield will select the floating golf game sites, so you may contact either of them. Ron Singer, Golf Chair: rsinger916@aol.com.

Blast from the Past

Palm Springs Trip, March 25-26

Harry Stroud reports 40 Cosmo members, wives and friends enjoyed a terrific outing to Palm Springs. An annual Cosmo adventure for years past, this was the Club's last outing to witness the spectacular Palm Springs Follies which is in its final season of a 23-year run. The group also toured the Living Desert Gardens and Zoo, and the landmark 26-foot tall



"Forever Marilyn" sculpture of Marilyn Monroe's iconic *Some Like It Hot* pose. The towering artwork is made of stainless steel and aluminum, weighs in at 36,000 lbs, and comes apart into four pieces. The sculpture is now being dismantled to be trucked across country to New Jersey for an exhibition of the sculptor Seward Johnson's work.

Upcoming Special Events

Thursday, May 22

Estrella Aero & Auto Museum Paso Robles

Located in the heart of the wine-producing area of California's Central Coast, the Estrella Warbird Museum provides a unique and fascinating experience. The museum offers a memorable collection of military aircraft from props to jets used in three wars, as well as numerous military artifacts ranging from hand-held weaponry to a rare collection of missiles and an F/A-18 flight simulator. From routine flights to dog fights, you can be pilot in command in one of 35 different planes. The associated Woodland Auto Display houses an extensive collection of both automotive and racing history. The primary display features Midget, Sprint, Modified and Indy race cars along with Street Rod and class automobiles. Most of the cars have been restored to their originally-built condition. Your \$75 fee includes bus transportation, museum entry, plus lunch, tour and wine tasting at Eberle Winery. Check payable to Cosmopolitan Club, POB 3993, SB 93130. Information & registration, contact Bob Sorich, 967-6785, bobsorich@cox.net.

Last Meeting

April 3, 2014

"Reducing Our Future Energy Needs: Energy Efficient Electronics and Lighting Research at UCSB"

UCSB Dean of College of Engineering Rod Alferness provided a very interesting overview of the Engineering College's world-leading research efforts. He focused on energy efficient lighting and electronics, including UCSB's role in the national initiative announced by President Obama for manufacture of highly efficient electronics for the power grid. Dean Alferness was former Chief Scientist at Bell Labs prior to joining UCSB in 2011 and is world-renowned for his work on integrated optical device switching technology and networks. His research has been central to the development of fiber optic communications networks. Alferness began work at Bell Labs in 1976, after obtaining a Ph.D. in physics from the University of Michigan. As Chief Scientist, Alferness oversaw long-term strategy, government and university partnerships,



and research excellence programs. Earlier, as Senior Vice President of Research, he had overall responsibility for the company's global research laboratories. Alferness also spent several years as Chief Technical Officer for Bell Labs' parent company, Lucent Technologies, transferring the optical technology he worked on to the business units.

UCSB is considered a medium-sized university with a student body of 20,000. The College of Engineering serves 1,400 students of whom 800 are undergraduates. This college's curriculum focuses on five disciplines: Mechanical, Chemical, Electrical & Computer, Computer Sciences and Material Sciences. Metric-based evaluations rank the UCSB Engineering College among the best worldwide. The faculty includes Nobel Laureates and features a culture of collaboration across the five disciplines. The College has birthed a number of spinoff businesses in Goleta and environs. In addition to energy efficiency, the College has produced remarkable advances in the development of an artificial pancreas, in the bio-engineering of artificial blood and in stem cells research.

In the arena of electrical power generation, coal remains the dominant fuel. Lighting consumes 20% of our power grid production, but until recently most of the electricity used to generate light has been wasted in the form of heat. UCSB Professor Shuji Nakamura is widely recognized as pioneer in light emitters based on wide-bandgap semi-conductors. His Gallium Nitride (GaN) based LED design produces light with 10 times the luminosity efficiency of the incandescent light bulb. LEDs (light emitting diodes) work by passing electrical current from one crystal to another. The crystals are semi-conductors, and passing from one to the other creates light. Inside the LED is a reflector cup that shoots the light up toward the plastic dome that makes up the body of the LED bulb. On its own, an LED only creates a small amount of light, and draws a very small amount of electricity. When several of them are bunched together, they create a lot of light, but still only draw a small amount of power. The LED design is an improvement on the classic incandescent because it eliminates one of the most troublesome elements of the incandescent bulb: the filament. An incandescent bulb works by passing electricity through an element called tungsten, which heats up and vibrates rapidly, creating both light and heat. The problem is that the filament can't keep that up: it will eventually burn out. An LED bulb averages an 11-year lifespan at a fraction of the operating cost. Nakamura continues to focus on development of GaN thin film technology. Additional activities are directed towards growth of bulk GaN crystals with low defect density, for use as substrates in GaN-based devices such as LEDs, high brightness lasers and high-frequency, high-power transistors. Thanks, Dean Alferness, for your accomplished transition to academia and for your most entertaining presentation.

Cosmo Golf Tourney

Monday May 12



Cosmopolitan Golf Club of Santa Barbara

Officially sanctioned by the Southern California Golf Association (SCGA)

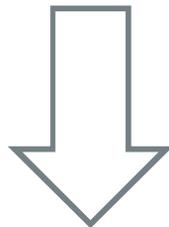
Place: Santa Barbara Muni Golf Course

Time: 10:00 AM

Cost: Pay your regular fee at the Pro Shop plus Send \$5 prize money

Format: Four Man, Cha, Cha, Cha

Prizes for: 1st, 2nd, and 3rd



Send \$5

Please provide your **GHIN Number OR Handicap**_____

Your Name:_____

Address _____

E-mail: _____

Phone: _____

Make check payable to: Cosmopolitan Golf Club of Santa Barbara Club
Send check AND form to: Bill Costello
4451 Shadow Hills Blvd North
Santa Barbara, CA 93105

Questions call: Ron Singer 805-684-1355

or

Bill Costello 517-285-8691

Great guys



Good fun



Please Join Us