

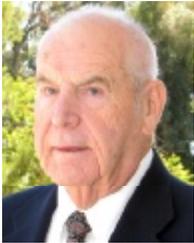


Crackers

COSMOPOLITAN CLUB OF SANTA BARBARA INC.

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Crackers Editor

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Next Meeting

May 15, 2014

Dr. Robert Harbaugh

"The Grey Tsunami: Dementia"

Bill Alexander Intro



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 ...

Access the COSMO website at
<http://sbcosmo.com>
for current and archived issues of CRACKERS

Meeting Staff:

Ticket Sellers: Chuck Curtis & Jim Shaw
Punchbowl: Ed Bookin
Invocation: Dan Hurlinger
Sergeant-at-Arms: Bill Montag & Bob Hankins
Photography: Ron White

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

Committee Membership

The reason Cosmo has been successfully in the past is that the vast majority of its members participate in the committees which do all of the real work. They focus on particular areas and provide the small forum where new friends are made and we are able to acclimate to the changing needs of our ever changing membership. Ron Singer, as the incoming President has asked that we publicize the importance of work on our committees in Crackers and that we have copies of the Committee Membership forms available at the next meeting. Please consider the ways in which you could contribute to the welfare of the club and the place which will permit you to maximize the value of club membership to yourself.

June 5, 2014

Bruce P. Luyendyk, Ph.D.

"Antarctica" Gordon Bjork Intro

Bruce Luyendyk was on the faculty at UC Santa Barbara 1973-2010. He is now Professor Emeritus of Marine Geophysics and Research Professor at UCSB. He is past chair of the Department of Geological Sciences (1997-2003; now Earth Science) and founding director of the Institute for Crustal Studies (ICS, now Earth Research Institute), which he led from 1987 to 1997. He was Associate Dean of Science 2005-2010. Luyendyk holds a B.S. from San Diego State Univ., a Ph. D. from the Scripps Institution of Oceanography at UC San Diego and held a postdoctoral scholarship at Woods Hole Oceanographic Institution. He



was a staff scientist at Woods Hole prior to coming to UCSB in 1973. His research specialties include marine geology and plate tectonics.

Prof. Luyendyk has been active in Antarctic research since 1989. He has made nine expeditions to Marie Byrd Land and the Ross Sea along the Pacific coast of Antarctica to study climate history and the formation of mountain ranges during continental breakup. In 1994, he began a research study of marine hydrocarbon seeps at Coal Oil Point offshore from the UCSB campus. He and his students were the first to recognize the ninety-degree clockwise rotation of the Transverse Ranges and other regions of southern California within the San Andreas Fault system. In 1979, Luyendyk was a member of the expedition that discovered the deep-sea hot vents off Mexico with the submersible ALVIN.

June 19, 2014

Ed Keller

Earthquakes and Tsunamis

Introduced by Jim Shaw

July 3, 2014

ANNUAL FOURTH OF JULY PICNIC—Manning Park

(see attached Flyer)

Wine Drawing

by Bob Zimels

Bill Barry took home a Riba Ranch Chardonnay and Fred Sidon won a Mammoth Crest Syrrah, made by Bob Hassler.



With Jim Dow:

Jim Larezaga hosted by Bob Sorich

Bruce Long guested Bill Beejami

Regular Events

Bridge

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 smmpha@cox.net; Co-chair Ed Loper, 967-8630, oliveloper@cox.net. No game following the May 1st meeting.



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

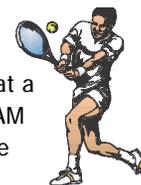
We meet monthly at 10 AM on the first Tuesday at the Elks Club. At S.A.G.E. we discuss past and possible future trends in the economy and the stock market. We would welcome your participation. Chair: Walter Naumann, 448-5061, wjnaumann@aol.com.



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. The following photo is a breakfast celebration after a recent tennis game.



Golf

10:00 AM Thursday, April 24

Cosmo Golf Tournament

River Course – Alisal (Solvang)

Results: Seven teams competed in the most excellent tournament held at the Alisal Golf Club River course. A new format called “money ball” required that one player in each four-man team play a colored ball in rotation. Should the team lose both of the issue “money balls” they would be disqualified from the competition. The winning teams were, in order:



First place	Second place	Third place
Don Davis	Stephen Stonefield	Bill Dial
Harv Turner	John MacKenzie	Mike Rodrigue
Frank Katch	Boll Wilson	Joel Altshul
Ron Gundy	Ron Singer	Tom Sneddon



One other team did finish with a remaining "money ball" the other teams lost their balls. The weather was great, though a little windy, and all participants admitted to having a good time. Thanks go to AB Clark and Stephen Stonefield for organizing this competition.



10:00 AM Monday May 12,

Cosmo Golf tournament

SB Municipal Course

This SCGA sanctioned CGC "tournament" takes the place of our usual Monday game. Sign up for this fun event with Bill Costello. Bill will want to know your GHIN number or handicap. He will collect \$5.00 for the prize fund and you will pay the pro shop your usual Monday green fee and cart rate. The format for this one will be the old "four-ball-net-cha-cha-cha". Teeing off at 10:00 a.m.

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. 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. Wandering Wednesday and Floating 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.

Upcoming Special Events

Estrella Warbird Museum, Woodland Auto Display & Estrella winery in Paso Robles.

Postponed (To be re-scheduled)

Thursday, August 7 2014

Ronald Reagan Library Big Band Dinner and Dancing. A tribute to the Big Band Era of the 20's, 30's and 40's.

Dine under the wings of Air Force One and dance the night away to the sounds of classic big band hits, featuring the Pat Longo Orchestra with female vocalist. Get ready for the best in flashback entertainment! Enjoy hors d'oeuvres and an incredible American classic buffet dinner. Cocktail attire is suggested.

Fee is \$95/ person which includes dinner, dancing and S B Airbus transportation to Simi Valley.

This is a rare opportunity to enjoy Big Band music in an appropriate setting. As this is a Cosmo Club lunch meeting date, we will probably leave from the Elks Club with spouses or significant others at about 2 pm for the 1 hr. 20 min. ride.

Please make your reservations early as event is limited to 40 persons and it will also be a popular public event.

Contact Thore Edgren for reservations and information at 967 4001 or theman3@cox.net

Make your checks payable to the Cosmopolitan Club.

Last Meeting

May 1, 2014

Ladies' Day

Ms. Rebecca Bjork



Gordon Bjork, with justifiable parental pride, introduced our speaker, Rebecca Bjork, recently appointed as head of the Public Works Department for the City Santa Barbara, its largest department with 300 employees that includes the Water Resources Department which she previously managed, to discuss a subject of great public interest to Santa Barbara—drought. Becky's practical and well organized presentation reflected her experience as head of Santa Barbara's Water Resources Division since 2007 until her promotion and her widely acclaimed management skills.

Gordon shared that Becky got that job after responding to the question, 'You are not an engineer, what are your qualifications to run Water Resources?' with, "But I was trained in biology, chemistry and economics." Because of broad public interest in this question, this report intends to summarize the vast factual information presented as the necessary backdrop to understanding the issues.

City Water Supplies include:



Groundwater from 9 wells in 2 basins which yield 1,400 Acre Feet per Year (AFY) normally and 4,500 AFY maximum;

Gibraltar Dam with a capacity of 5,300 AF (current storage at 1,845 AF (35% of capacity) and now includes water quality challenges;

3.7 mile Mission Tunnel which transports water from Cachuma and adds 1,400 AFY via infiltration;

Lake Cachuma with a capacity of 188,030 AF of which City's share is 8,277 AFY (current storage at 78,900 AF (42% of capacity));

State Water City's share is 3,300 AFY, but only 5% available for 2014 at 165 AF—however this provides facilities useful in moving banked water from the San Luis Reservoir, Groundwater Banks and Purchase Opportunities;

Recycled Water (replaces use for irrigation and toilets) of 800 AFY (about 5% of demand); and

Desalination with an original capacity of 7,500 AFY, maximum capacity of 10,000 AFY, but plant is currently in deep storage and the membranes have been sold.

City's total demand currently is about 15,000 AFY.

Drought Plan:

California Drought planning is based on historical hydrology for 1947-52, the longest drought in recorded history. Recent history is that 2013 is the direst year in City history; 2014 on track for third driest in City history; February 11, 2014 a Stage One Drought was declared. As of April 2014 the County is in an Exceptional Drought area.

Plan prior to this drought, was based on history, including some noticeable runoff and maximized use of a combination of Recycled Water, Lake Cachuma, Cachuma carryover

capacity, Gibraltar/Mission Tunnel, State Water, Ground Water and very small use of Banked Water/Purchases.

Current Planning is based on no reservoir inflows, no state water, Increase groundwater drawdown to 2017 (after which there is no more available ground water), doubling of recycled water, water purchases of about 6,100 AF, Extraordinary conservation of 5% in 2015, 20% in 2016, and 10% in 2017, and Desalination of 7,500 AF in 2017.

Benefits of Conserving Now: Increase conservation to additional 20% (2,000 AF) in 2014 and reducing water purchases to 4,000 AF which helps meet demand in 2015 and 2016 at lower cost. Plan will attempt to avoid mandatory conservation of 40%.

Expected Result if Water Purchases don't materialize: This will increase the demand for Desalination to come on stream one year earlier (April 2016) for about 3,500 AF with higher cost.

Drought Response Capital Projects:

Recycled Water Filtration: \$9 million, complete Summer 2015, Capacity 1,400 AFY, (current demand is 1,100 AFY);

Recycled Water System: Valle Verde Well, poor quality, supplement recycled water,

And High School Well;

Silt Wells at Gibraltar Reservoir: recovers water from Silt at bottom of Gibraltar Reservoir. 750 AFY

Desalination Plant: Was built as drought worst case safety supply. Proposals to restart are in process currently and will cover the capacity, permitting issues, current technology, funding, cost estimates and the construction schedule. Minimum cost is estimated at not less than \$20 million. Under Current plan Desal will be necessary in 2016. A Request for Proposal to Design, Build and Operate the plant will be released in October 2014. A contract can be awarded as early as April 2015 with construction of between 9 and 16 months. Actual award will depend on actual hydrological result available at time the decision is made and whether it will need to come on line in 2016 or 2017, if at all.

COMB Pumping Project: Proposal to permit pumping of Gibraltar water at rate of 36 or 45 Thousand Gallons per Day is estimated to cost \$3.5 million in capital and will cost \$200,000/month to operate (costs shared among COMB members) This is required because gravity feed does not work with low reservoir conditions. The City's share of COMB is roughly 30%.

Drought Financial Impacts:

Capital Projects described above. Water Purchases. Operations.

Price for water from various sources (operational costs only): Surface Water from Cachuma and Gibraltar--\$300/AF; Well Water--\$150 to \$800/AF; Recycled Water--\$1,100/AF; Desal Water--\$1,500 +/AF.

City Extraordinary Water Conservation Efforts:

City reducing irrigation;

Reducing water system flushing;

Emptying fountains;

Postponing Reservoir cleaning projects;

Delaying system pipe replacement.

New Proposed Water Rates:--Encourage conservation

Single Family Residence—3% increase for Tier 1 (4 hundred cubic feet "hcf"); 24% increase next 12 hcf, 103% thereafter.

Multi Family Residence—3% increase for Tier 1 (4 hcf); 24% increase for next 4 hcf; 103% thereafter.

Commercial/Industrial—3% increase for base allotment; 96% increase thereafter.

What can residential consumer do to conserve water?

Indoor—fix water leaks; replace old clothes washer; install low-flow aerator on bathroom faucets.

Outdoor—(about 50% of total residential use is for landscaping)

[Compare 10 minute shower (10 gallons) to 15 minute average lawn (700 gallons)];

Written contract with gardener to check system monthly; adjust irrigation to weather; develop and manage water in water use budget; evaluate irrigation system operations; use Smart irrigation controllers (reduce water use by 25%); City water checkup; Landscape rebate plan for drought tolerant replacement planting (covers irrigation equipment, water wise plants and mulch, smart irrigation controller, and graywater materials—50% of costs up to \$1,000/ SFR, \$2,000 per irrigation meter for MFR {\$4,000/site}).

Questions from Floor:

Chalfant--How much water released for habitat purposes—Until Cachuma stored water drops below 30,000 AF a certain amount must be released to recharge downstream ground water and save steelhead trout; estimated at about 15,000 AFY.

Marsh—Will remeter efforts reduce consumption; yes, depending on existing infrastructure from construction.

Frakes—Salt water intrusion due to ground water use; carefully monitored.

Ivar Bjork—Conflicts between competing users for reduced water from Cachuma; yes but continued effort to coordinate with other users.

Delta Twin Tunnel and Integrated species mitigation plan should make planning easier.

For more information contact www.SantaBarbaraCa.gov/WaterWise or call 805-564-5460.

Cosmopolitan Independence Day



Picnic

Thursday, July 3rd 11:00 AM

Lower Manning Park, Area 9

Montecito, CA

From Freeway 101, exit in Montecito on San Ysidro Rd,
go North 1 mile, then exit to Lower Manning Park via
Santa Rosa Lane

**Bring wives, relatives and friends for
delicious BBQ by Cavalli, with all 'the
fixins' !**

Only \$15.00/person, paid in advance to 'Cosmo Club'
c/o Bruce Long, 4477-K Shadow Hills 93105 (692-4075).

Please furnish Bruce with names for nametags).

BYOB for social hour starting at 11:00, 12:15 Pledge and
Invocation, and 12:30-2:00 PM **Barbeque!**