



Crackers

COSMOPOLITAN CLUB OF SANTA BARBARA INC.

Vol LX No. 18

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Crackers Editor

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

Cosmo Members Ailing

If you know of a COSMO member ailing, please notify Curt Whiteman, Memorial & Visitation Chair, 684-1034, whiteman@westmont.edu.

Guest Incentive Program

Members are encouraged to bring guests to our meetings, especially potential future members. The club will pay the guest's lunch on the guest's first visit. When a new member is inducted, the club will host lunch for the primary sponsor and the new member.

Meeting Staff

Ticket Sellers: Bill Irvine & Dale Carpentier
 Punchbowl: Jim Gravitt
 Invocation: Curt Whiteman
 Audio-Visual: Jack Patterson, Bob Weber, Bill Alexander, Orlando Ramirez
 Sergeant-at-Arms: Walter Clapp
 Photographers: Ron White and Dan Truex

Increase in Cost of Lunch

Starting April 2nd the cost of lunch will be increased to \$22.00. We anticipate that many members will prefer to pay this amount by check to avoid bringing or receiving dollar bills. Checks are to be made payable to "Cosmopolitan Club". To facilitate ticket selling, checks should be prepared in advance.

Election of Officers

Bill Stancer, V.P, presided in President Ron Singer's absence and called Don Chalfant for the Nominating Committee who presented the following slate of officers to be elected:

Bill Stancer	President
A.B. Clarke	Vice President
Jim Davis	Secretary
Fred Marsh	Treasurer
Harv Turner	Director
Chuck Curtis	Director
Ron Singer	Director

By motion, seconded and carried, the slate of officers and directors were duly elected.

NEXT MEETING

April 2, 2015

LADIES DAY

WOMEN WHO INFLUENCED CONTEMPORARY ART IN AMERICA

DR. JUDY LARSON



Judy L. Larson holds the R. Anthony Askew Chair in Art at Westmont College in Santa Barbara, where she directs the Westmont Museum of Art (formerly Reynolds Gallery), located in the Adams Center for the Visual Arts, and teaches courses in art history and museum studies as a part of the art faculty. With thirty years of museum and gallery experience, Larson was most recently the director of the National Museum of Women in the Arts, where she is credited with completing a 25 million dollar endowment campaign and enriching the museum's exhibition schedule to include thematic exhibitions and new artistic fields. She was active in the formation of new national and international committees, which advocate for women in the arts.

Larson previously directed the Art Museum of Western Virginia in Roanoke, where she coordinated the acquisition of multi-million dollar American art collection. She served as curator of American art at the High Museum of Art in Atlanta, Georgia, where she organized national touring exhibitions on American artists such as John Twachtman and Norman Rockwell. Larson worked at the Grunwald Center for the Graphic Arts and the Los Angeles County Museum of Art while earning undergraduate and master's degrees in art history at UCLA. She completed a Ph.D. at the Graduate Institute of the Liberal Arts at Emory University, Atlanta, in 1998. Prof Larson will be introduced by Dwight Coffin.

Tickets Only

FUTURE MEETINGS

April 16, 2015

SANTA BARBARA BY AIR

WES ST. CLAIR AND JO ANN MERMIS



Wes St. Clair and Jo Anne Mermis are both graduates of the University of Kansas and work together as real estate brokers. After recognizing and enjoying the unique perspective one gets from a helicopter, Wes became a helicopter pilot in 1992 and an aerial photographer in 1994.

Jo Ann has long been active in caring for the beauty and history of Santa Barbara. She is a docent at Lotusland and a board member of Santa Barbara Beautiful. They will present a program of aerial photographs of various areas, historic buildings and homes in Santa Barbara County. Wes

and Jo Ann will be introduced by Harry Brown.

May 7, 2015

HOBBY DAY SHOW

All Members who have hobbies or special interests such as woodworking, art, winemaking, writing, photography, sculpture, jewelry making, pottery, ceramics, or collections, etc. are welcome to display their hobbies at this special club meeting.

The Hobby Show will be the program for the meeting. All items will be displayed on tables or on the floor. Easels will be furnished by participants. If you are interested, please complete the questionnaire entitled "Hobby Day Show" in this issue.

Contact Thore Edgren, 805-967-4001, theman3@cox.net, for further information.

WINE DRAWING

A.B. Clarke had the first lucky ticket. He won a 2012 Duplantier Blanc from Rideau Vineyard in the Santa Ynez valley. Ralph Edebo won a 2009 Merlot from J&J Cellars in Paso Robles.



WELCOME OUR GUESTS 

Warner Owens introduced four guests:

- Mike McGinnis guest of Al Mercado
- Burt Bernstein hosted by George Surmeier
- Dan Creasey friend of Walt Clapp
- Faiz Farukey guest of Ron White

Proposed for Membership

BURT BERNSTEIN
626 Carlo Drive,
Goleta, CA 93117
967-4393 Cell 729-7980
burtins@cox.net

Burt was born in New York City. Since 1968 he and his wife Judith have resided in Goleta, where they raised their two daughters. He holds a B.A. in economics and a J.D. in law. He retired from Chubb Sovereign Life Insurance as a Senior Vice President in 1995. Since retirement he has been a consultant in the insurance business as well as an expert witness. He has also been involved with education, serving as an Adjunct Professor of Law. He enjoys golf, bridge, travel and reading. His sponsors are George Surmeier, Jim Shaw and Harv Turner.

DANIEL F. CREASEY
27 W. Anapamu Street #411
Santa Barbara, CA 93101
Cell 617-869-6271
dcreasey@hotmail.com

Dan was born in Wisconsin. He received his BS in Philosophy at the University of Wisconsin and a MBA in Business at Harvard. He retired from the Harvard Risk Management Foundation in 1998, where he was President and CEO. He and his wife Carolyn moved to Santa Barbara in 2011. His sponsors are Walter Clapp, Paul Hartloff and Dwight Coffin.

COMMITTEE ANNOUNCEMENTS

DISCUSSION GROUP

The Discussion Group meets the third Thursday of every month in the upstairs room at roughly 1:45 pm, after the regular meeting has adjourned. It is scheduled to conclude at 3:30 pm. The presentation generally takes some 30-45 minutes with the balance of the time available for discussion.

The group is open to individuals interested in participating in fun discussions on important topics. All members are welcome and encouraged to offer comments and/or give a presentation. The April 16th discussion will be *Changing Ethics and Morality in Medicine, led by Kevin Ryan.*

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

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.

A.B. Clarke announced the next scramble Golf tournament at Montecito Country Club on March 26 at noon--\$56 for green fees, carts, prizes, lunch and hors d'oeuvres at the 19th hole. Contact Marty Tucker or Ron Singer to sign up.

We also have additional games 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, Steven Stonefield and Bill Clothier select the floating golf game sites. Ron Singer, Golf Chair: rsinger916@aol.com.

SPECIAL EVENTS

Opera Opportunity

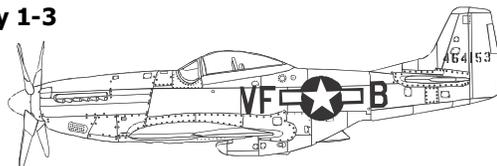
Sunday April 26

On **April 26th** Cosmopolitan Club members will join others in Sunday lunch at La Cumbre Country Club followed by "A Streetcar Named Desire" by Andre Previn at the Granada Theater.

The performance will start at 2:30 PM, with lunch at noon, allowing for ample time to get to the Granada Theater. The price of \$90.00 per person includes lunch and opera tickets. If interested, please contact Fred Sidon at frsidon@impulse.net.

WWII Airplanes

May 1-3



Mark your calendar if you enjoy seeing WWII airplanes. The Collings Foundation aircraft will return to Santa Barbara on May 1 and be available for viewing that afternoon in addition to the weekend of May 2 & 3. The aircraft will be the B-17, B-24, B-25 and P-51. WWII veterans interested in a possible free flight should contact Peter Kruse at sbpete8@gmail.com. Additional detail on the event will follow.

Tribute to Ben Walsh

Saturday May 2

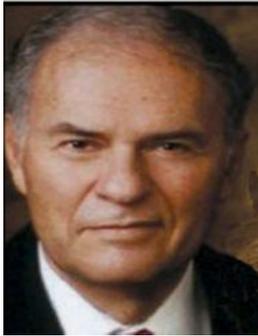
Harry Stroud announced that the annual dinner in memory of Ben Walsh and our remaining WWII veterans will be held at the Santa Barbara City College on Saturday May 2. Doors open at 5:30 and dinner will be served at 6:00 pm by the Culinary Arts students. Price is \$45 pp. There may be a few standby places available. Harry Stroud (805) 653 5117



LAST MEETING

March 19, 2015

Albert Mercado, G.P.S. - Global Positioning System



Jim Davis introduced Albert Mercado, our speaker and fellow-member. Albert's education includes a BSEE, MSEE and completion of PhD coursework at UCLA. In 1973, the Government decided to build a new all weather system for navigation which could be employed with great accuracy all over the globe for secret military applications. Al Mercado's presentation explained how the three segments (Space, Control and User) work and their accuracy both for Government and commercial applications. Al Mercado was recruited to design and build the first units of the user segment at Litton Industries. As Manager of the Project, Al led the team which built, tested, qualified and launched the first GPS receivers.

GPS is a navigation and timing system that provides to the user (person or instrument that has a receiver) accurate position, time, velocity, range to a destination as well as delta range. This information is provided regardless of weather conditions, rain, snow, clouds. The information and accuracy is available whether the user is at the North Pole, South Pole, or orbiting around the earth.

GPS system is made up of three segments: the Space, Control and Ground or User segments. The Space segment is made up of 24 satellites and up to 32 satellites which orbit around the earth and send information to earth. These satellites are arranged in 6 orbits. Each orbit has 4 satellites and each orbit is inclined with respect to the equator by 55 degrees. The orbits are separated from each other by 60 degrees which means that 6 orbits times 60 degrees make the 360 degrees which is the circumference of the earth. With this coverage the complete earth is covered with an ideal resolution of 1 square meter. The satellites are 12,000 miles above the earth and are moving at a speed of about 9,000 miles per hour which makes them semi stationary. They make 2 orbits every 24 hours while the earth makes one orbit. Each of the satellites are synchronized in time and are sending down to earth space specific information which when decoded by the receivers provides location and time information.

The Control segment is the number of stations throughout the globe which launch new satellites. Errors occur when satellites get off track and ground satellites send up new information for corrections. The main control station is in Colorado Springs and the secondary station is at Thunderbird. The Air Force has many tracking stations. The National Intelligence Agency monitors satellites around the earth to control their spook satellites. Satellites are controlled 24/7 for right information and corrections.

User segments are our receivers in cars to understand the information from space and to calculate our direction and distance of travel. L band frequencies are received and programmed with an almanac which has locations of all satellites at all times. This technique was developed in the 1960's; it has been refined now so that receivers are very small due to new techniques.

GPS Segments of Space, Control and Receivers work together. The satellites send information to us and to master stations and control stations. On ground control stations receive all information and can send information by working together with master and control stations.

GPS was designed and developed in the late 60's and the early 70's when the Government decided that for military applications they needed a satellite and all weather classified and accurate system that would provide location and timing information. Some satellite systems were available at that time like Loran and Transit, but they were affected by weather conditions, had limited coverage and acquisition time was excessive. They were encouraged by measurements made by the Applied Physics lab at Johns Hopkins University that showed precise measurements on earth can be made by tracking space signals. They had come up with the idea of having a number of stationary satellites sending information down to earth. The military created the JPO office in El Segundo to select companies to build the several segments. North American Rockwell was assigned the Space Segment. McDonald and Boeing were assigned the Control segment and Magnavox and Collins Radio were responsible for the Receiver segment.

Receivers must catch the information and filter it from space signals into digital converters into processors into microprocessors. Today there are many types of receivers. Manpacks for soldiers are receivers that receive information for troops. Vehicle receivers in a Jeep show a route to be followed. Old space receivers were 30-50 lbs with lithium batteries. Testing of receivers was done at White Sands in the Mohave Desert at night.

Space receivers were launched in classified receivers. Land satellites orbited the earth to see islands and the growth of Mt. Everest and to take photography. Sea satellites studied the seas and oceans. These two types of satellites became the navigation systems for the government.

In 1983 the Government released GPS to commerce because of an unfortunate accident that probably could have been avoided if GPS had been available. The South Korean government was celebrating its 30th anniversary and Congressman Lawrence McDaniel of Georgia was flying from NYC to Seoul on Korean Airlines (KA 007). The plane left Alaska after refueling and drifted north into Russian airspace. The Russians ordered to shoot the 747 down, and it crashed on a Japanese island, never to be found. After an investigation of the situation, President Ronald Reagan ordered the release of GPS for commercial applications to avoid any such reoccurrence. Thus the CA Code was established based on GPS.

GPS works on two main frequencies. It employs two codes for civil and military usage. The L band is used because it

is very effective in any weather conditions. Triangulation allows a receiver to know its position by measuring the distance between 3 satellite transmitters in space.

There are many applications of GPS used today, including: Astronomy, Vehicle navigation, Cartography, Cell telephones, Atomic timing, Clock synchronization, Civil navigation, Disaster relief, Fleet tracking and Aircraft tracking, etc.

The U.S. government cannot deny navigation use of GPS to other countries. The Russians and Europeans are building their own navigation systems. The U.S. government budgets allocations for the maintenance of GPS. U.S. stations and satellites are secure and are guarded by the U.S.A.F.



HOBBY DAY SHOW

SPECIAL INTERESTS EXHIBIT QUESTIONNAIRE

DATE: May 7, 2015

WHERE: ELKS CLUB NORTH ENTRY SPECIAL PURPOSE ROOM

NAME: _____

SPECIAL INTEREST: _____

DESCRIPTION OF ITEMS TO BE EXHIBITED ON TABLES

SIZE OF EXHIBIT (WXL) _____

TABLES ARE 30"W x 96"L (TABLES MAY BE SHARED)

DESCRIPTION OF ITEMS TO BE MOUNTED ON FLOOR MOUNTED EASELS FURNISHED BY EXHIBITOR, PANELS (ART, PHOTOGRAPHY, ETC.) NUMBER OF PAINTINGS AND PHOTOGRAPHS LIMITED TO TWO _____

DESCRIPTION OF ITEMS TO BE FLOOR MOUNTED (SCULPTURE, WOODWORK, ETC).

SIZE OF ITEMS (WxL) _____

EMAIL FORM TO THORE EDGREN: theman3@cox.net OR MAIL TO 6545 CAMINO VENTUROSO, GOLETA, CA 93117. CALL 967-4001 WITH ANY QUESTIONS.

PLEASE SUBMIT FORMS BY APRIL 3. 2015