

## GENERAL MEETING – September 12, 2002

**The September meeting was a joint meeting with Orange County. Following a train ride, it was held at Sarducci's Restaurant at the San Juan Capistrano train depot. Our guest speaker was Andrea R. Gustafson, MS of BAE Systems, Mission Solutions. She presented us with Detecting Airfield Obstructions Using Digital Photogrammetry and GIS.**

**On 3 APR 1996, Secretary of Commerce Ron Brown, business executives and military personnel met an untimely death while their aircraft was on approach to Dubrovnik, Croatia. The military aircraft was flying without the aid of a GPS receiver in extremely poor weather conditions. The investigation report clearly indicated that improvements in the navigational data about the terrain and proper approach might of averted the tragedy.**

**Congress, acting in honor of the victims and on behalf of aviation safety, funded the Ron Brown Airfield Initiative to improve navigational data around airfields and they tasked National Imagery and Mapping Agency (NIMA) with collecting the data. NIMA maintains navigational data on approximately 10,000 airfields.**

**An aeronautical survey is a conventional land survey to determine important ground point coordinates to a high degree of accuracy. It is unique in that it includes obstruction detection. Aerial photography is collected over 7 nautical miles around the airfield. The photography is used to identify vertical objects around the airfield. This conventional method does not have the ability to perform basic analysis of features. To determine which objects are obstructions requires the construction of and comparison against the imaginary obstruction identification surface (OIS).**

**The OIS is composed of surfaces that create an imaginary stadium above the airfield. The surfaces include a primary surface, an inner and outer horizontal surface, a conical surface, approach surfaces and transition surfaces. If an object is above the OIS, it is an obstruction. Examples include antennas, buildings, power lines, vegetation, etc. Since each runway can be a different length, an OIS must be constructed for each runway. This task initiated the creation of ClearFlite. The extraction of airfield vertical obstructions using photogrammetry, GIS, and geospatial analysis techniques focuses on rapid obstruction detection. A surface model representing the OIS is used during photogrammetric data collection.**

**The advantages to the digital production include improved obstruction collection, time and cost savings, and the ability to maintain and update the products. The data collected is the first component for the aeronautical navigation to accomplish the directives that spawned the Ron Brown Airfield initiative and the future use of GPS guided landing of aircraft with graphical pilot heads-up display.**

## **President's Report**

-Much thanks to Steve Woods and his wife who spent so much time on the very successful and enjoyable golf tournament. They took time from their 15<sup>th</sup> wedding anniversary to work on the fine banner for the tournament. Steve noted that priorities are priorities. Also thanks to Jas Arnold and Jennifer Brownlee for their work on the flyer and notifications. See a full report from Steve further in the newsletter and photos on the web-site.

-The Chapter welcomes all the recent new LS's to attend as guests at our October Chapter meeting.

--This year's recipient of the Curt Brown Scholarship is Victor Ross, a Geomatics Engineering student at Cal State Fresno. Victor is a Junior with a G.P.A. of 3.25 in this Major and hopes to graduate in the Fall of 2003. He is interested in pursuing a career in Surveying perhaps teaching in San Diego County as well. Congratulations to Victor in all his endeavours!

### **EXECUTIVE BOARD MEETING – Wed. September 7**

Attending: Allan Wake, Steve Martin, Dave Ambler, Anne Hoppe, Dave Viera, Armand Marois, Lonie Cyr, Don Woolley, and Mike Butcher

## **President's Report**

Allan called the meeting to order at Giovanni's.

-Allan turned the discussion over to Armand. Armand discussed the Education Foundation and scholarships. See below.

-Cal Poly is seeking donations for scholarships. Allan will contact Dr. Turner of Cal Poly for more specifics and then he will select a candidate. The scholarship will be in the amount of \$750

- Allan proposed to fund some of the expenses of the Christmas party from the general fund. A location and cost will determine if this is feasible. Ideas are needed for a location.

- Our November speaker is driving down from Newport Beach. He is requesting a simple hotel room after the meeting. Approved.

## **Vice President's Report**

-Steve discussed Life Membership requirements. Criteria needs to be developed. The State

has guidelines and Mike Butcher will investigate them. Once we determine the criteria we will determine an eligible candidate.

## **Treasurer's Report**

- Dave reported that the Golf Tournament went well. See Steve Woods' write-up in the newsletter.

-There was no financial report due to Golf Tournament checks still coming and going. (And Dave just bought a new house???).

-(editor's note): I don't mean to interrupt here, but it was kind of curious when Dave was talking about the funds, his eyes were shifting, he was twitching in his chair and even though it was cool in the room, there were beads of perspiration on his brow and big rings of sweat around his under-arms. He seemed very uncomfortable and in a hurry to leave. But I don't think there was anything to that. Dave said that the funds would be all okay next month and not to worry.

## **Secretary's Report**

-Annie presented the minutes of the SEP 02 general meeting and they were approved.

- The Initial Point Hike of 12 OCT has been postponed. The San Bernardino Wilderness is closed due to high fire danger. It will be closed until substantial rainfall. A future date will be planned as soon as possible.

## **Education Committee**

-Armand stated that at the general meeting of August 2001 the Curt Brown Memorial Scholarship was approved to be awarded. Since our chapter sponsors the scholarship, we prefer to award it to a San Diego student. However, he would like the foundation to assist in choosing the recipient. Guidelines need to be drafted for the foundation and our bylaws will need amending. The foundation will then choose based on our criteria. This procedure will give statewide recognition to the scholarship while maintaining chapter involvement.

- Don Woolley discussed the mini-seminars. The seminars will begin 17 OCT. They will be held at Rick Engineering. See the newsletter for the flyer.

## **Chapter Representatives**

Armand, Mike, Lonie and Dave will be attending the meeting in Sacramento.

## **JPPC**

No report.

## **Membership Committee**

No report.

## **Old Business**

Rick Engineering will produce the roster this coming year.

## **New Business**

None.

## **2002 CLSA Scramble Golf Tournament Report:**

I'm happy to report that the 2002 CLSA Scramble was a great outing for all present. Participants were treated to a sun drenched 75 degree afternoon on the links at Cottonwood's Ivanhoe Course. The challenging layout and subtle greens were no match for the Hunsaker 'A' team, consisting of Dave Viera, Doug Stroup, Donny Broussard, & Brian Bethge. Their winning score of 61 included a blistering 29 on the back 9, which may have been sparked by a shot of tequila on the 11th tee. We'll have Kool-aid for those guys next year.

Scott Hurst and the PDC team came in 2nd Place with a fine 64, good enough to win on another day.

Thanks to all players and special thanks to Tournament sponsors James Yaccinno of Servco and Fred Youna of Electro-Optical.

James and Fred donated some great prizes and cash. Cottonwood Golf Course staff also did a great job on and off the course. All in all, it was a fun day for all at a very reasonable cost per player and we still managed to make \$250 for the CLSA Education Fund. See you all next year!

Steve Woods

## **CLSA San Diego Survey Student Stipends:**

The Stipend program's goals are to: provide funding for local students working towards a degree in a surveying related field at a Junior College in San Diego County. They will receive \$100 for an A, \$75 for a B, \$50 for a C. It will be limited to one survey class per student per semester.

Applicants need to mail in a copy of their grade (of a surveying class) and address to: CLSA

San Diego, P.O. BOX 85152, MAIL BOX 261, SAN DIEGO, CALIFORNIA 92186-5152.



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