The combined Southern California Plumbing and Mechanical Chapters of IAPMO met on Tuesday, September 18, 2012 with 23 members and guests present. Pete Sandoval, Chapter Chairman called the meeting to order and Ed Saltzberg of Edward Saltzberg & Assoc. led the salute to the flag. This was followed by the self-introduction of members and guest.

Ed Saltzberg, Chapter Secretary, read the minutes of the August 21, 2012 meeting. The minutes were approved as read.

Jerry Plank, Chapter Treasurer reported that we have $1312.33 prior to today's meeting.

New and Old Business

1. Trini Mendoza of Ventura Co. said that the Channel Island chapter will not
meet this month and they have a new location. However they will meet in November.

2. Bob Bailey reported that UPPA-LB will meet on October 13, 2012. This month’s speaker is to be announced.

3. Chris Camacho of Santa Monica said that LA Country Health Dept. is having a Seminar on cross connection control on October 23, 2012, and all building departments should send a representative.

4. Pete Sandoval said the next month speaker on October 16, 2012 would be from Lochinvar Co. talking about water heaters and boilers. The Lochinvar speaker is a replacement for the Raypak speaker who stood us up last month. 

5. Pete asked who was going to the IAPMO conference. He then asked Larry Soskin to represent the So. CA. Chapter at the chapter luncheon

**Technical Program**

Our speaker for the day was John Knepp, Chief Technical Officer of Advanced Greywater Recycling Systems. John read a portion of a UN Environmental Program report on the need to save and reuse water. John then showed slides on the various possible uses of waste water. John then showed an intro of his Company. John spoke about water use and
indicated that currently the national average of use is about 170 gal/per person/ day.

John then showed slides of their package unit and spoke of its advantages. It has leak detection, Wi Fi interface, a hook-up box and it’s piping configuration only takes up a 2' X 4' foot print. John then covered the closing thoughts for his unit. He said that the energy use is very low. They have 600W and 800W pumps in the unit but they are only on for a short period of time. He indicated that they use chlorine tablets to maintain 1PPM residual in the water that is returned to the house and then used to flush the toilets. John talked about cross connection control and piping configuration. John said that he wants to retain some members of ASPE to show the proper Engineered Piping connections for the redesign of the usual building plumbing. John stated that his unit can be used in both new and existing buildings.

John the spoke about the proper way of distributing the gray water underground to the plants and turf. John said that the minerals in the grey water are beneficial to the plants and the bleach and elevated temperature doesn’t seem to harm the plants in their conducted tests. John passed out samples of the proper material to use for the subsurface
distribution system to achieve uniform distribution. John spoke about proper spacing and depths of lines for various types of ground cover.

John said that with proper distribution and installation there will be no root intrusion, plants will grow better and have less disease. He said that his unit has 24 hour max storage and will water the plants even if you are away. John showed proper water emitters and spoke of the required pressure for them. John told why the use of the fleece material is extremely beneficial for the grey water distribution. John said because of the uniform water distribution, the need for watering is reduced and showed an example. John then covered problems with current installation and how to prevent them.

After answering all the questions that concluded our technical presentation.

The $10.00 door prize was won by Ella May Bailey of UPPA of LB. Prizes donated to winners of gifts by the chapter were Raj Patel and Ray Castellos of Los Angeles County, Francesco Dorigo of Advanced Grey Water Recycling System and Garry Sato of Green Smart.
With that we concluded our meeting. We wish to thank John Knepp of Advanced Greywater Recycling Systems for his very informative presentation.

Respectively submitted

Edward Saltzberg

Chapter Secretary.