

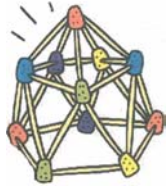
April 1st Meeting Topic: "Engineers and Ethics"

The speaker for the April meeting is Joe Starnes. Mr. Starnes graduated from San Jose State University with a B.S. degree in Bus. Admin (Accounting Major) and became a CPA in 1985. He earned his Juris Doctorate degree from the Birmingham School of Law in 2000 and passed the Bar exam in July 2000. Mr. Starnes is licensed as an Attorney and CPA in Alabama where he started his law practice in January 2001. He has 18 years experience in business as an Auditor, Controller, Business Manager, Administrator and Contract Manager and has participated in municipal projects by providing contracting and financing expertise. Mr. Starnes will speak to the group about ethics, legal issues, the UCC, and the Alabama State Code.

Cost of the luncheon will vary, ordering directly from Fogcutter's menu. Please email in your reservation to Gary Gleason at gary.gleason@amec.com or call 716-0083 by noon Friday, March 28th.

Wanted: Civil Engineers of the Future!

On Sunday, April 6, the United Cerebral Palsy (UCP) Center will be holding its Annual Telethon and Children's Festival on the grounds of Children's an area for and ASCE has opportunity to Taking our idea exciting career guidance programs, "Building Big" and "Zoom into Engineering", we will provide kids of all ages the chance to construct simple geodesic domes made from gumdrops and toothpicks (see the last page of this newsletter for more details on the project).



Festival on the Channel 19. The Festival includes interactive crafts been offered the sponsor a table. from ASCE's

The Festival is from 1-4 PM and two volunteers are needed to work a shift from 12:30 PM to 2:30 PM (to include setup 30 minutes ahead of time) or from 2:30 PM to 4:30 PM (to include 30 minutes of cleanup). All supplies will be provided as well as ASCE literature. All you have to do is show up and be enthusiastic about civil engineering! Don't forget to bring your own kids out for a fun afternoon of entertainment, games and prizes!

Please contact Christi Robinson at 427-5320 or by email Christi.Robinson@hsvcity.com if you'd like to get involved!

Civil, Structural, Electrical and Mechanical Engineers: Positions Available

AJT & Associates, Inc. is seeking qualified aggressive individuals for current positions and to support project workloads in the near future. AJT is a young company with a well-established future in Multi-Discipline Engineering design. All Engineering positions require a BS with 4 years experience, P.E. or ability to obtain preferred. Candidates should have commercial, industrial and institutional experience. The Mechanical Engineering positions require HVAC and plumbing experience. Electrical positions require power, lighting and controls.

If you desire a challenge with responsibility and can qualify for one of these positions, mail, fax or e-mail your resume to the address below:

AJT & ASSOCIATES, INC.

6767 Old Madison Pike, Suite 294

Huntsville, AL 35806

256-971-1940 fax

martyf@ajtlalabama.com

DFWP/EOE

NO PHONE CALLS PLEASE

Member News

Did you know...

that former ASCE Huntsville Branch Vice President and Secretary **Marcella Funderburg, P.E.**, recently passed the PE exam! Congratulations Marcella!

Please submit any member news items for the May newsletter to Christi Robinson by April 23.



Why Recruit?

Increased membership means more influence. New members expand ASCE's resources to strengthen and enhance the profession for all civil engineers. As a recruiter of a new member, you are part of an active network building your career, ASCE, and your profession.

In addition, you can win great prizes for recruiting new members to the Society! Check out this website for more information: <http://www.ascedrive.org>

FEBRUARY MEETING NOTES

City of Huntsville speakers Tom Cunningham, P.E., City Engineer, and Tim Barnes, GIS Manager, provided the group with an informative overview of current and future projects in the City of Huntsville as well as an update on the City's mapping and information that is available to those doing work with or in the City of Huntsville. Thanks to the "Tom and Tim" show for their interesting talk!

Business items attended to at the February meeting included a reminder about the ASCE Alabama Section Winter meeting to be held March 13 in Tuscaloosa. Also, Dale Stevens reminded the group about the Transportation Conference to be held in Montgomery on February 12-13. Discussions about the Engineers' Week Banquet were held with Kate Leonard taking the lead on getting it organized. The Huntsville Branch is responsible for this year's Summer Meeting. It was

agreed that a specific Summer Meeting Committee should be formed to get the plans underway. Dr. Leonard also volunteered to help get this started.

Many new or returning members were welcomed, including Richard Hollingsworth of the Browns Ferry Plant, and Steve Wright of the Corps and a Past President of the Huntsville Branch.

A brief overview of the Zone II Management Workshop was provided by Christi Robinson. This ASCE workshop was intended to disseminate information about items of current interest within ASCE as well as provide leadership and team building workshops. Policy 465 that will define the "Body of Knowledge" needed for future civil engineers was discussed and members are encouraged to read up on the issues and comment. More information may be found on the ASCE website at <http://www.asce.org/professional/educ/> Also, Governance Restructuring was introduced with pros and cons about proposed changes to the Board of Directors. Go to www.asce.org/governance/messagefrom.cfm for more information on this topic. Career Guidance resources were discussed as well as membership issues and how to get our 248 potential Branch members more involved.

MARCH MEETING NOTES



Sherman Dixie Manager Mike Kusch and gave an informative overview of Sherman Dixie's product lines, their new Cullman, AL, plant, and spoke on how precast products can be used for meeting new storm water regulations. Thanks to Sherman Dixie for sponsoring the March meeting and the interesting presentation.

Items of business discussed included a reminder about the Winter Meeting to be held on March 13, and ASCE student members advised that they are geared up and ready for the Concrete Canoe and other competitions that will be held at the Student Conference March 20-22 in Miami, FL. The annual Coloring Book contest is underway and volunteers were solicited to speak to students at local schools about civil engineering (contact Christi Robinson if interested).



Southeast ASCE Conferences and Seminars

Dates	Conference/Seminar	Location
Apr. 23-25	HEC-RAS Computer Workshop	Montgomery, AL
Apr. 23-25	Intro to Tunnel Design	New Orleans, LA
May 19-20	Wetlands and 404 Permitting	New Orleans, LA
May 29-30	Construction Administration	Vicksburg, MS
June 4-6	Municipal Stormwater Mgmt.	New Orleans, LA

For more information on these and other ASCE seminars visit:

www.asce.org/distancelearning/index.cfm
www.asce.org/conferences/

Upcoming Huntsville Branch Meetings

2003: May 6, June 3, July 2

Newsletter Items of Interest

Please provide items of interest or announcements for the next newsletter by Wednesday, April 23. Please e-mail any announcements or suggestions to Christi Robinson at the following address:

Christi.Robinson@hsvcity.com

NEXT MEETING: April 1st**@ 11:30 A.M.****Fogcutter Restaurant****3805 University Drive NW****RESERVATIONS: Gary Gleason**gary.gleason@amec.com

Huntsville Branch Officers**President: Jennifer R. Trice, P.E. - (256) 539-3431, jtrice@civsolutions.com****Vice President: Larry Donelson, P.E. - (256) 551-0222, ljdonelson@knology.net****Secretary: Christi G. Robinson, P.E. - (256) 427-5300, Christi.Robinson@hsvcity.com****Treasurer: Bill Kennard, P.E. - (256) 837-8882, wkennard@gore.net****<http://www.geocities.com/CapeCanaveral/Hangar/5545/>**

Christi G. Robinson, P.E.
City of Huntsville Engineering
P.O. Box 308
Huntsville, AL 35804-0308



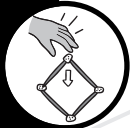
Gumdrop Dome

What You Need

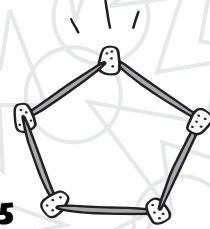
- 25 toothpicks
- 11 gumdrops

Engineering Scoop

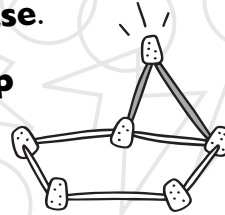
Engineers often use **triangles** when they design buildings. Did you notice that your dome is made up of lots of triangles? That's because triangles are **stable shapes**. That means they **don't bend, twist, or collapse easily** when you push on them. A square is not as stable as a triangle. Test it. Make a **square** and a **triangle** out of toothpicks and gumdrops. **Press** down on **one corner** of each shape. How do the two shapes **compare**? Does one bend, twist, or collapse more easily than the other?



1 Use gumdrops to **connect 5 toothpicks** in a ring. This is your **base**.

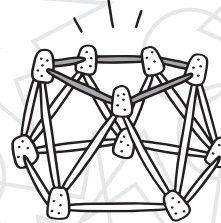


2 Use **2 toothpicks** and **1 gumdrop** to make a **triangle** on one side of the base.



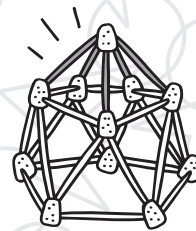
3 Repeat all the way around the base until you have **5 triangles**.

4 Use toothpicks to **connect** the gumdrops at the **tops** of the triangles. Now **how many triangles** do you have?



5 Push 1 toothpick into each of the **top gumdrops**.

6 Use one last gumdrop to **connect** these toothpicks at the **top**.



Now it's time for you to **experiment**. What happens if you make a **base** with six sides instead of five sides? Or, what happens if you build **squares** rather than triangles on top of the base? Choose one thing to change (that's the **variable**), and **predict** what you think will happen. Then **test it** and **send** your results to ZOOM at pbskids.org/zoom/sendit