Diana Crummey delivered this scrumptious cake to Nicole McCall and the DBG Events Department and Security people, as well as other DBG staff who have helped us have a great year.
January 2016 Central Spine Deadline: January 17, 2015

2015 CACSS Officers

President: Wayne Whipple
480-460-3623
w7676@msn.com

Vice-President:
Mike Gallagher
602-942-8580
mgallagher26@hotmail.com

Secretary:
Jeanne Anne Brush
480-982-3899
jabmom2@hotmail.com

Treasurer:
Nick Diomede
602-772-8282
nich.diomede@gmail.com

Directors
Serving through December, 2015
Cindy Capek
623-979-9389
ronluccap@gmail.com

Dana Hiser
480-368-8606
dana2garden@aol.com

Beth Kirkpatrick
480-275-4833
bethalia@gmail.com

Jim Oravetz
602-284-9854
oravetz@cox.net

Serving through December, 2016
Jo Davis
480-839-3792

Tristan Davis
480-540-9540
minime8484@hotmail.com

Sue Glenn
920-327-3137
ekmglenn@hotmail.com

Edmond Hunt
847-514-0812
e-hunt@neiu.edu

Carol Parrott
602-438-4003
caparrott21@hotmail.com

Dan Smith
480-981-9648
smithdans@outlook.com

CACSS Program/Committee Leaders

Archivist/Historian Lois Schneberger
Audit/Finance Nick Diomede, Mike Gallagher, Carol Parrott
CSSAA Affiliate Representative Sue Hakala
Facebook Coordinator Dan Smith
Finance/Accounting Nick Diomede, Ingrid Swenson
Holiday Party - December 6, 2015 Sue Glenn
Library Co-Chairs Wendy Barrett, Nancy Mumpton
Membership Beth Kirkpatrick
Members-Keeping-in-Touch Jo Davis
Mailed Newsletter Subscriptions Sue Tyrrel
Monthly Speaker/Programs Diana Crummey
Newsletter Diana Decker
Nominating Committee 2015-Chuck Brush, Dan Smith, Jo Davis, Lois Schneberger
October Silent Auction Mike Gallagher
Propagation and Education Group (PEG) Tristan Davis
Plant Rescues Open Position
Private Plant Sales at General Meetings Sue Tyrrel
Refreshments Kat Hanna
Show & and Sale 2016 Dan Smith
Website Beth Kirkpatrick

Telephone numbers, email addresses, and street addresses are in the Member List emailed periodically to members by Beth Kirkpatrick.
Our annual Holiday Party on December 6th was very special this year as we recognized five of our Members for many years of outstanding service to our Society. This year’s recipients for Honorary Lifetime Memberships are Doug Dawson, Leo Martin, Scott McMahon, Gard Roper, and Lois Schneberger. In another article in this newsletter are detailed descriptions of the contributions of those recipients. Each was recognized at our Holiday Party and was presented with a beautifully framed certificate designed and produced by Nick Diomede, our current Treasurer. I congratulate our new Honorary Lifetime Members and thank Nick for the great certificates. This year was the first time since Electra and Jim Elliott and Joan and Stan Skirvin were so honored at our Holiday Party in 2008.

Once again we were happy that we were able to meet at the beautiful Scottsdale Mountain View Community Center for our annual Holiday party. I again thank Sue Glenn and her daughter Emily Glenn for organizing this happy event for our Members. Jo Davis again facilitated the lively plant exchange, and Cindy Capek arranged the beautiful table centerpieces. We would not be able to use the Mountain View Community Center’s facilities without having Dana Hiser booking them for us.

I thank the current Officers. Mike Gallagher has served as our Vice President this year, and during the past two years he has chaired the major annual October Auction. The one held this past October was financially the most successful. Jeanne Ann Brush assumed the Secretary position this year and recorded the minutes of Board Meeting accurately and distributed them to the Board well before Board Meetings. To do it well, the Treasurer must be knowledgeable in accounting, and we were lucky to find that person in Nick Diomede. We are fortunate that all three of these capable officers will remain in their current positions next year.

For the past three years, Sue Tyrrel has been the Chair and moving force for our April Show & Sale. This is our main event of the year, and we are grateful to have as our partner the Desert Botanical Garden. Again, I thank Sue and the DBG for working together along with the many Members who also helped with this major event each year. Sue has prepared the way for the 2016 Show & Sale with Dan Smith at the helm.

This year we had a new Program Chair for our General Meetings. Diana Crummey became that person and showed amazing enthusiasm in booking an outstanding group of speakers. All the dates for 2016 and several for 2017 have already been booked and details of them will be published in the Central Spine newsletter and on our website. I thank our own Members who made presentations at our General Meetings this year – Julie Plath, The Art of Growing and Showing Plants; Scott McMahon, Peru; and Jason Eslamieh, Boswellia.

An integral part of our General Meetings includes the electronic devices used such as computer, microphones and overhead screen. All have to be in sync for a successful
meeting presentation. Sitting in the front row of our General Meetings is Dan Smith, who makes it all happen. Dan also monitors and maintains our Facebook site, which now has 640 followers.

For several reasons we owe a great deal of thanks to Beth Kirkpatrick. She has been our Membership Chair for the past five years and has seen the total Membership increase every year since becoming Chair, and it now stands at around 450 Members. Beth also has agreed to update our website - a herculean task. We will be testing the new site early next year. As most of you know, our Society will be hosting the 2017 Cactus and Succulent Society of America’s convention. Beth is our Society’s Chair of this major event. Many, many thanks to Beth, and I congratulate her on becoming our next President.

Our librarians Wendy Barrett and Nancy Mumpton work hard at each meeting bringing in books to be checked out by our Members. They also maintain the library and select new books for it. We appreciate what they do for us. A hearty thanks to them.

Much work is done each month in producing our newsletter: the *Central Spine*. Diana Decker has been diligently creating this publication for the past five years. Meeting notices, timely articles and outstanding pictures by our members can be found in our monthly newsletter, and I thank our editor Diana Decker for producing it.

I also thank Tristan Davis who this year became the new head of the Propagation Education Group (PEG) and whose current initiative is to grow native Arizona cactus seedlings for the 2017 CSSA convention.

Among the favorite outings for our Members are the Open Gardens hosted by our Members. We certainly enjoyed the ones we visited this year around the Valley which included the gardens of Cliff Fielding, a yearly event, Dana Hiser, Barb & Rick Rosenberg, and Steve & Julie Plath. Rita Gosnell has helped with the organization of many of our Open Gardens and other outings.

When we think of our annual October Auction, we also think of heat and wonder if we will have water to drink. Of course, we always do as we have Kat Hanna in charge. Not only does she make sure of having water at the October Auction, but she also supplies the refreshments for our General Meetings.

Gard is always at our Meetings with special items for us to buy such as frost cloth, and is also the man to see for pumice. The high-powered fertilizer Prosol that Gard used to sell is now handled by Eric Hoist.

We are also thankful for being able to use the facilities at the Desert Botanical Garden and to share its mission with us. Special thanks also go to Nicole McColl who is our friendly contact person with the DBG and is so helpful.

A couple of behind-the-scenes ladies who make our Society a happy place to be a Member are Jo Davis and Lois Schneberger. Jo Davis hops around to fill in spots where she is
needed. She also sends a steady stream of cards to various Members letting them know that we are thinking of them. Lois Schneberger is another person who works mainly below the radar, helping where needed, especially with the Show & Sales. Lois is also our archivist and has spent endless hours keeping our records in order.

We are off to a great start for 2016. As already mentioned, our monthly General Meeting Programs have been scheduled and will be posted on our website in the newsletter. The Show & Sale Committee under the leadership of Dan Smith has already held its first meeting with 15 enthusiastic Members in attendance, and I am sure it will be another stellar event. Mike Gallagher, I know, will have another successful October Auction. Members of the Propagation Education Committee are watching their seedlings grow for the 2017 Convention. We are always looking for Members to help with Open Gardens, trips and workshops. If you can help with any these other activities, please contact our new President Beth Kirkpatrick.

We have a great Board for 2016 with several new enthusiastic members. I thank the Nominations Committee of Jo Davis, Chuck Brush, Dan Smith and Lois Schneberger for proposing the new Officers and Directors-at-Large for 2016. The following will be joining Jo Davis, Tristan Davis, Sue Glenn, Edmund Hunt, Carol Parrott and Dan Smith to serve on the Board:

President
Beth Kirkpatrick
Vice President
Mike Gallagher
Secretary
Jeanne Ann Brush
Treasurer
Nick Diomede
Directors-at-Large
Mike Cone, Diana Crummey, Nancy Mumpton, Jim Oravetz, Lucy Rand, and Judy Tolbert

We greatly appreciate the service of those retiring Board Members who contributed so much to the success of the Society but will, I am sure, continue to support and assist in its goals and activities. Directors-at-Large who are leaving the Board at the end of the year are Cindy Capek and Dana Hiser.

I once again gratefully thank, on behalf of the entire Society, everyone who made 2015 a great experience! Not only do I thank the myriad visible workers, but also those who worked behind the scenes in their quiet, helpful ways.

My time has come to say goodbye to the Board on which I served for the past eight years – first as the Treasurer and for the past three years as President. The time always goes fast when you are having fun. The past eight years have been most satisfying for me because of the very supportive Board that I have had the privilege to serve. I wish everyone a Happy Holiday Season! See you next year - in the audience.

Wayne Whipple, Soon-To-Be Past President Central Arizona Cactus and Succulent Society.
SOUTHWEST CACTUS EVENTS AND SUCCULENT TALKS OF INTEREST

Huntington Garden
January 16: 9:00 a.m. - 4:30 p.m. CSSA Desert Forum at Huntington Garden
February 11: 12:30–3:30 p.m. Evan Meyer from Rancho Santa Ana Botanic Garden is speaking on seed saving/preservation. Plant sale to follow.

Tucson Cactus and Succulent Society
January 7: Doug Dawson. Presents his most recent trip to South Africa.
February 4: Dean Stock from Utah: revision of *Opuntia* polyacantha.
March 3: Root Gorelick: information on some changes in the genus Coryphantha.
April 16 – 17: Tucson CSS is having a Sonoran XI Conference. 5 additional speakers for that event.

CACSS NEW MEMBERS

Wally Hammad  
John Mooney  
Andrew Shea  
Steve Wierz  
Chad VanDenBerg

Membership Chair: 
Beth Kirkpatrick

For questions, and to send photos for the newsletter, contact the newsletter editor, Diana Decker: (480) 361-4614 dianadec@cox.net

Please bring boxes to the meetings so you can carry plants home more easily. 
Jo Davis

Please Wear Your Name Tag at Monthly Meetings

Board Member Jo Davis asks members to wear their name tags at monthly meetings and other club events. Members then can more easily spot guests and talk with them about the guest’s interests and CACSS. If you need a lanyard to hang the name tag around your neck, see Jo at the meetings.
Five Members Achieve
CACSS Honorary Lifetime Membership
By Beth Kirkpatrick

The Central Arizona Cactus and Succulent Society (CACSS) honored five members with Honorary Lifetime Memberships on December 6, 2015 at our annual holiday party. Those honored are Doug Dawson, Leo Martin, Scott McMahon, Gard Roper and Lois Schneberger. This honor was established to recognize members of the Central Arizona Cactus and Succulent Society who have made a substantial contribution to the CACSS. The criteria are indicated below. Congratulations to honorees!

Doug Dawson’s Qualifications:
Commitment to the education of CACSS members and the general public on cacti and other succulents.
- Speaker at many monthly meetings
- Opened his home, greenhouses and garden to individuals and innumerable small groups for many years for meetings and tours.
- Introduced many exotic or rare plant species to our members
- Organized and led many hikes for members of our club over the years.
- Pushed seed growing and teamed with Gard Roper in creating our club’s propagation program
- Encouraged member knowledge and ownership of Arizona native cacti and succulents
- Researched, located and hosted many of our speakers
- Donated a large number of plants at monthly meetings
- Conducted several educational workshops and seminars over the years
- Represented our club as a speaker to other clubs, the CSSA convention, local organization and schools

Commitment to the Society’s purpose and activities for many years in diverse capacities.
- President of CACSS in 2007
  - An active Board of Directors member for twelve years
  - Created many of the policies and procedures for governance of the club and influenced the current structure of our general meetings
  - Spearheaded improvements to club operation including the purchase of AV materials, other equipment and the blackout curtains

Being a member of the CACSS for at least 10 years.
- A member of CACSS since 1997

Leo Martin’s Qualifications:
Commitment to the education of CACSS members and the general public on cacti and other succulents.
- Speaker at many monthly meetings
- Authored many educational articles for Central Spine
- Authored 42 instructive articles that are on the CACSS website
- Conducted several workshops for CACSS members
- Willingly shares his plant knowledge with our members
- Fields questions that come to our web-site
Commitment to the Society’s purpose and activities for many years in diverse capacities.

President of CACSS, 2000-2003
- Board of Directors, 1998-99; 2004-2005; 2009-2010
- CACSS Show & Sale Chair several years
- CACSS Central Spine Editor
- First CACSS Webmaster
- Served in several CSSA leadership roles including CSSA Affiliate Representative, CSSA Director for eleven years, and Finance Committee member and earned the moniker Dragonslayer
- Served on the CSSA Publications Committee and supervised publication of the CSSA Journal and Hazeltonia
- CSSA Local Chairman for the 2005 CSSA Convention
- CSSA Convention Program Chair for the St. Louis, Seattle and Scottsdale

Being a member of the CACSS for at least 10 years.
- A member of CACSS since 1997

Scott McMahon’s Qualifications:
Commitment to the education of the CACSS members and the general public on cacti and other succulents:
- Speaker at many General Meetings.
  - September 2000 Agaves
  - June 2007 Cactus 101: A Survey of the Family
  - June 2011 Ferocacti
  - November 2011 Introduction to Mammillarias
  - July 2013 CACSS 40th Anniversary Speaker
  - July 2013 Echinopsis
  - July 2014 Euphorbias
  - March 2015 Cacti and Succulents of Peru
- Central Spine Articles
  - October 1999 Euphorbias
  - September 2000 Agave Snout Weevils
  - February 2004 Growing Conophytums in the Desert
- Open Garden
  - April 2001
  - June 2011
- Show & Sale Chair
- Show & Sale Frequent Exhibitor and Show Judge several times.
Commitment to the Society’s purpose and activities for many years in diverse capacities.
- Many years of Board service including two terms as President (1998, 2003).
- Horticulturist and Director of the Cactaceae Collections at the Desert Botanical Garden.
- Instructor for the Desert Landscaper School at the DBG since 2002.
  - July 2014 Euphorbias
  - March 2015 Cacti and Succulents of Peru
- Central Spine Articles
  - October 1999 Euphorbias
  - September 2000 Agave Snout Weevils
  - February 2004 Growing Conophytums in the Desert
• Open Garden
  ▪ April 2001
  ▪ June 2011
• Show & Sale Chair
• Show & Sale Frequent Exhibitor and Show Judge several times.
• Instructor for the Desert Landscaper School at the DBG since 2002.
• Conducted many education classes at DBG and off grounds, including three workshops in Mexico.
Being a Member of the CACSS for at least the past 10 years.
  • A Member of the CACSS since 1995.

Gard Roper’s Qualifications:
Commitment to the education of CACSS members and the general public on cacti and other succulents.
• Speaker at monthly meeting on agaves
• Opened his home, shade houses and garden to individuals and small groups for meetings and tours.
• Teamed with Doug Dawson in creating our club’s propagation program
• Willingly shared his knowledge on growing numerous species of agaves
• Researched, located and hosted many of our speakers
• Donated plants for monthly meetings and raffles
• Responsible for securing many speakers for our monthly meetings
• Organized an aloe workshop for the club
• Organized several bus trips for the club
Commitment to the Society’s purpose and activities for many years in diverse capacities.
  President of CACSS in 1998 and 1999
  • An active Board of Directors member
  • Researched and Implemented the pumice pile over the past four years
  • Assistant Annual Show and Sale Chairman in 2002
  • Annual Show and Sale Show Co-Chairman with Lois Schneberger in 2011 and 2012
  • Researched and implemented the sale of frost cloth sales for two years
Being a member of the CACSS for at least 10 years.
  • A member of CACSS since 1989
Lois Schneberger’s Qualifications:
Commitment to the education of the CACSS members and the general public on cacti and other succulents:

- Co-Chaired the Show & Sale for 2011 and 2012 and has been involved in the annual planning committee since 2007. Created new procedures and updated older ones for the Show & Sale judging, awards and trophies.
  - An active Board of Directors member
  - Researched and Implemented the pumice pile over the past four years
  - Assistant Annual Show and Sale Chairman in 2002
  - Annual Show and Sale Show Co-Chairman with Lois Schneberger in 2011 and 2012
  - Researched and implemented the sale of frost cloth sales for two years

Being a member of the CACSS for at least 10 years.

- A member of CACSS since 1989

LIBRARY NOTES:
The CACSS librarians would like to thank the following members and authors for their 2015 gifts: Judy Brody, Jason Eslamich, Nancy Mumpton, Beverly Peterson, Roberta Reichel, Cynthia Robinson, Lois Schneberger and the Tucson Cactus & Succulent Society.

Remember to bring your library books to the meeting or call CACSS librarian Wendy Barrett, 602-971-5345, or Nancy Mumpton, 480-649-1558, to arrange a pick-up.
SPEAKERS FOR 2016

JANUARY 31, Raul Puente Martinez, Curator of Living Collections DBG: 
From the Atacama to the Sonoran Desert: ‘Fred Kattermann Collection at the Desert Botanical Gardens”.
**Presentation:** In March of 2014, the Desert Botanical Garden received a donation of what may be the most significant of the private cactus collections in the United States: the collection of Fred Kattermann. This collection consists of more than 1800 plants of South America cacti belonging to 8 different genera. It is also remarkable in that all the plants are of known wild origin and have been fully documented with locality data, coordinates vouchers and numerous photographs of the plants in habitat illustrating stems, flowers, fruits and seeds. Most research institutions can only dream of acquiring this type of collection. Accepting the fact that it first the objectives of our current Collection Plan. This presentation will explain the process and planning required to receive and move the collection from New Jersey to Arizona, and how several departments worked together to accomplish this goal. Funding to bring Kattermaan’s collection was provided by the CACSS. A quick tour of Kattermann’s Collection will be given to members after the meeting.

FEBRUARY 28, Virginia Hayes, Curator of the Living Collection LotusLand: - “Curator’s tour of LotusLand”.
**Presentation:** Curator’s tour of LotusLand will take you on a virtual look at select plants in every corner of Lotusland from the perspective of the Curator of the Living Collection, Virginia Hayes. Palms, ferns, aloes, cacti, water plants, cycads and more will be on show.

MARCH 27, Gay Hendricks, CACSS member: - Using succulents for a unique Arizona garden.
**Presentation:** Succulents are an excellent addition to any xeriscape landscape; they add a unique look with their exotica shapes, color, and texture. Whether you are into container gardening or just sprucing up your landscape, this lecture will contain information on these low maintenance and drought tolerant plants.

April 8 - 10, Show and Sale

June 5, Cathy Babcock, CACSS member; Director of Horticulture BTA: - “Succulent Weather Patterns”
**Presentation:** Most succulents are fairly easy to grow in the Phoenix area but there are those than can be somewhat cantankerous, especially during our monsoon season. Cathy will attempt to talk about the weather patterns in the areas from where your succulents might originate. Does our local weather
matter to your plants? In some cases, yes, but either way, it will hopefully be educational and fun to see what’s going on in other parts of the world. The focus will be on Africa, Arabia and Madagascar.

**JULY 31, Tristan Davis, CACSS member:** “Growing Cleistocactus in Arizona.”

**Presentation:** Often frowned upon as “messy” because of the tendency of some species to grow prostrate or “boring” because of the flower that can’t be fully appreciated from 500 paces, we’ll cover the spectrum of diversity available for these cacti and show that the naysayers have it all wrong! Not only will it be clarified what was, is, and will be a Cleistocactus, but we’ll demonstrate the incredible variety of colors and shapes of these South American cacti and how they can fit into even the smallest desert backyards. With well over 50 species to choose from there is something for everyone. Move over, Echinopsis, Cleistocactus is here! Don’t miss a great opportunity to wow your neighbors and delight your avian visitors – and, learn how to grow Cleistocactus in Arizona!

**AUGUST 28, Mark Siegwarth, Executive Director of BTA:** “Creating a Global Treasure, Combining the collections of Boyce Thompson Arboretum and Wallace Desert Gardens”.

**Presentation:** Mark’s talk will cover not only the challenges in moving 7,000 plants 75 miles to their new home, but why this will help Arizona become the center for arid land plant conservation and research.

**SEPTEMBER 25, John Trager, Curator of Desert Collections Huntington Gardens:** “A Brief History of the ISI.”

**Presentation:** The ISI (International Succulent Introductions) is the Huntington Botanical Garden’s plant introduction program, with a history spanning nearly 60 years. This talk looks at the story of this program’s origin and some of the many succulents introduced some of which are still grown today. Come enjoy learning about some of these succulent treasures and get a glimpse of what the future holds.

**OCTOBER 9 CACSS – AUCTION… BINNS WILDFLOWER PAVILION**

**NOVEMBER 20, Steve Plath, CACSS member’ owner Signature Botanica, Morristown AZ:** “Ecological Restoration and the cool Succulents I’ve Seen.”

**Presentation:** Working in the desert southwest doing assorted ecological restoration projects for the past 22 years has afforded me many opportunities to see native cacti and other succulent plants in habitat. This program will show some of those marvelous plants and landscapes I’ve encountered doing the work I’m so passionate about.
Doug Dawson’s Photos Taken on his Trip to South Africa in August 2015

*Othonna cacalioides* (very rare!)

*Crassula columnaris*
Root aphids can be a big problem. They often are found in newly purchased plants arriving in soil infected with them. After a while, plants look lackluster, dull, just not thriving. In leafy plants, leaves look yellowish and droopy. Flowers and fruits may not develop correctly. You may water, give a dose of fertilizer, and still your plant looks bad. If this happens, suspect root aphids. They insert their piercing mouthpiece into stems and roots, sucking out your plants’ luxuriant juices and providing pathways for pathogens.

In their adult phase, you may also see them flying around your plants seeking a mate or new territory. Females do not need a male in order to reproduce, but if they find a male, they will mate. The female gives birth to eggs and live young underground. It’s underground that they do their damage. The adults like to cluster together creating a white sticky substance along the base of stems and roots alerting you to their presence. You may also notice ants around your pots as they are attracted to the aphid nutrient-rich honeydew. Ants will carry root aphids to new plants to live on once the old plant is dying, and herd aphids like sheep protecting them from predators.

First line of defense is diligence. Check at least twice a week for withered plants, spying carefully below the soil level for the white sticky substance that indicates their presence (the bugs themselves are too tiny to see). If your potted plant shows the above symptoms, take it out of the pot to inspect the roots and shake off the soil. If you see the white sticky substance, get out the isopropyl alcohol. Dip a Q-tip in some alcohol and dab each white spot. It’s instant death by burning. To be sure to reach everywhere, put the alcohol in a spray bottle so it can get into all the tiny areas they may be living. If necessary, soak the root ball in alcohol for a few minutes. I’ve had to do this with stapelias.

They are hard to kill as there are many life phases present at any time. You must treat again, and again if you have a bad infestation. If it’s a cactus or succulent, just leave it out of the pot for a while and retreat before replanting.

For other plants, including those in the ground, talk to your local nursery and see what systemic they recommend. Root aphids can be difficult to eradicate, and diligence is necessary to break the life cycle. If throwing out a plant, don’t put it in your compost pile.
Desert Forum

by Sue Hakala

The Huntington Library, Art Collections and Botanical Gardens in San Marino, California is hosting a Desert Forum on Saturday, January 16, 2016. Here’s the schedule:

9 – 10 a.m. Registration – in front of new visitor entry area
Please bring your CSSA or affiliated club badge or membership card for admission.

9 – 11 a.m. Desert Garden
Knowledgeable staff and docents will be stationed throughout the Desert Garden and Desert Conservatory. Aloes will be flowering. (Our club members who have gone to see the aloes in bloom say it’s nothing short of spectacular.)

11 a.m. – 1 p.m. Plant Sales
Gate opens by the Teaching Greenhouse at 11 a.m. for plant sales - please, no early bird shopping. Cash, checks and credit cards accepted

1 – 4:30 p.m. Free Time
Attendees are welcome to tour the gardens and galleries as of 10:30 a.m.

Lunch: The Café in the new visitor center features a variety of sandwiches and grilled items. The tea room at Liu Fang Yuan is a lovely option for fresh Chinese food.

Please Send Articles for Newsletter

For a more interesting newsletter, articles about plants and taking care of them are very important. Please send your articles or suggestions for topics to the editor: Diana Decker--dianadec@cox.net

Publication of material in the Central Spine does not imply agreement with the ideas expressed therein by any portion of the membership of the CACSS, nor does it constitute an endorsement or support for any portion of such material by the CACSS, or the Central Spine, regardless of any position or office held by the author. All such material represents a comment and/or personal opinion of the author.

PLANT QUESTIONS???, WHOM TO CONTACT??! Contact Information will be in the January 2016 Central Spine.