Please see our Website Calendar for the next rescued cactus sale. They are scheduled at various times during the year based on our inventory.

TCSS Club Members receive a 10% discount

We need your “Eyes and Ears” to help us find new Cactus Rescue sites. Please email us as much information as you can from new project signs or from other sources to Site@TucsonCactus.org. Attach a photo of the sign if you can. Note, we do not remove plants from residences.

**January 2018**

**Thursday, January 4, 2018 7:00pm**

"Where Did I Go Wrong"
Presented by Chuck Hanson

**Tuesday January 9, 2018 at 7:00 pm**

Board meeting, Ward 6 City Council office at 3202 E First St. Tucson, AZ

---

**A Beautiful Cholla to end 2017**

Come with me on a three-month safari to East Africa of the 1960’s. Although much of the area looks like SE Arizona, it is (was) populated by an amazing and diverse megaflora. The safari is mostly in the savannahs of Kenya and Tanzania, but we also go north into the vast desert area of northern Kenya to join the Royal Geographical Society’s Turkana Expedition. A safari such as this will never be possible again, for reasons you will soon see!

**Curriculum Vitae for Chuck Hanson**

1952-’56 Virginia Tech, BSc in Zoology.
1957-’59 National Science Foundation Scholarship, Ohio State University, MSc in Zoology.
1959-’60 Ohio Division of Wildlife, Upland Game Biologist.
1969 3 months in East Africa.
1969-’78 Curator of Large Animals, ASDM.
1993-’95 President, Tucson Cactus and Succulent Society.
2008-’12 Lived in Ecuador, studied native cacti, succulents and orchids.
2013 Retired to Sonoita, Arizona

I want to welcome everyone to our introductory program for 2018. Please come and enjoy a marvelous presentation, have some refreshments, meet and talk with friends, take home some plant giveaways and accept great raffle plants. Also, be sure to take a free TCSS plant provided as you leave for the evening.

---

**January Meeting Refreshments**

Those with family names beginning with A - J, please bring your choice of refreshments to the meeting. Your generous sharing will be greatly appreciated and enjoyed!

---

**Newsletter of the Tucson Cactus and Succulent Society**

**January 2018**

**Thursday, January 4, 2018 at 7:00pm**

**Where Did I Go Wrong**
Presented by Chuck Hanson

**Thursday, February 1, 2018 at 7:00pm**

Lessons from Tortilla Flats or No Species is an Island
Presented by Ted Fleming

---

**Where Did I Go Wrong**
Presented by Chuck Hanson
We also collected $500 and food for the Community Food Bank.

This will be a busy year including the Sonoran XII conference on April 28, 29. This is always a very special event that includes a great show, plant, pottery, rescued cactus for sale, workshops, speakers, lunches and a special dinner. The complete schedule will be available in February. You will be able to register for the entire event of individual activities.

Donations, membership renewals and new members have been coming in at a fast pace and we are a little behind. Don’t be concerned everyone will be welcome at all events.

Pima Prickly Park is better and better each week with lots of new plants in place each week.

This message below was part of an email from the Desert Botanical Gardens. It is of concern to all non-profits. Your donations are important to TCSS no matter the amount. It makes a lot of activities possible. So, please read and think about how much your dollars mean to us and every other non-profit.

“The Tax Cuts and Jobs Act provides for several new lower tax rates, nearly doubles the standard deduction, eliminates personal exemptions and almost all itemized deductions. Although the legislation maintains the current-law for income tax charitable deduction, it will significantly reduce the number of taxpayers who itemize and effectively eliminate the income tax charitable deduction for a vast majority of Americans.”

Thank you for your support.

Dick Wedhoff, President

Continued from page 2

reason for this, so I found out, but in any case, I had to do something and decided to join TCSS’s Rescue Team. It takes a lot of plants to fill 1/4 acre; this seemed like the best way to go.

As a new TCSS member, I went on a few rescues and planted the saguaros, hedgehogs, and barrels in the Outback (an area outside our wall). I attended monthly meetings and became aware of Pima Prickly Park. This was perfect for my interest in native plants, and for using the propagation knowledge learned with the Master Gardeners. I asked Linda Heisley if I could manage the Hoop House; she agreed, and I have been there for the past five years. The Hoop House takes in rescued and donated plants for planting into the Park. I enjoy my volunteer hours working with the plants and watching them grow large enough for planting in the Park. The Park’s tough environment taught us many things.

The changes in the Park are astounding as well as those in the Hoop House. New systems are tried out to help with challenges of all sorts. As with all Tucson gardeners, we fight the heat, cold, dry soil, lack of irrigation, and critters. We learn and continue. I would encourage anyone interested in volunteering to “Adopt a Patch” at Prickly Park. You will enjoy the gratification and fun times with other volunteers.

I have been honored to have both my Tucson residence yards featured in the Arizona Daily Star. In 1991, our first yard was featured in an article entitled “Backyard Oasis.” It spoke about the creation of three zones: vegetable garden, a green area with grass and waterfall, and pool/spa with ramada. Our second yard was on the 2010 Master Gardener Tour and a TCSS Home Tour.

Besides working for 25 years with real estate investors and attorneys and being a licensed real estate agent, my husband and I volunteered at the Southern Arizona Humane Society by fostering over 65 kittens. What a blast this was, until we had to turn them in for adoption when they were about 10 weeks old. They were too cute, and although all were adopted out quickly, we wanted to keep each one of them.

My favorite day of the week is Thursdays when I volunteer at Pima Prickly Park. I get to put my boots on, get soil under the nails, dirt all over, enjoy the company of others, and get satisfaction for helping a great organization and cause.

NATURAL FIREBREAK
The Lilac Fire in California has been devastating. If you are concerned about the possibility of wildfires near your home, please refer to Debra Lee Baldwin’s article and video on succulents as firebreak. (ds@debralebaldwin.com)

Debra shares that by planting fleshy-leaved, moisture-rich plants such as agaves, elephant’s foot, aeoniums, aloes, jade, and “Sticks on Fire” you may be planting a natural firebreak.

FROM THE PARK: WHAT’S NEW
The development of the Ferocactus Garden began in early December.

Paths have been made and more than 50 specimens have been planted.

NOTE:
A new year awaits us
With opportunities galore!
From planting to watering
And so very much more!
Ferocactus are beckoning.

A new year awaits us
With opportunities galore!
From planting to watering
And so very much more!
Ferocactus are beckoning.

A new year awaits us
With opportunities galore!
From planting to watering
And so very much more!
Ferocactus are beckoning.

A new year awaits us
With opportunities galore!
From planting to watering
And so very much more!
Ferocactus are beckoning.
One of 2017’s events celebrating Sir Joseph Dalton Hooker’s bicentenary (November 2017 Desert Breeze) was an exhibition at London’s Kew Gardens of works by 80 contemporary British botanical artists. Perhaps the most striking work on exhibit was a near life-size watercolor of Amorphophallus titanum created by three botanical artists painting in tandem. In the summer of 2017, the titan arum at the Royal Botanic Garden Edinburgh bloomed for the second time in two years. During its 3-day blooming period, the three artists worked—in spite of the flower’s stench—to create a triptych (nearly 9 feet in height) showing the three stages of the plant’s inflorescence. The artists, Jacqui Pestell, Sharon Tingey, and Işık Güner, are tutors in the RBGE’s botanical illustration course. (See the link below to view their paintings of the titan arum.)

The first titan arum to bloom at Kew Gardens was in June of 1889, having been given to Joseph Hooker as a small seedling ten years earlier. The inflorescence began to emerge in early June, and, growing at a rate of about 3 inches a day, it reached its full height of 6'9” seventeen days later. Hooker described the event in Curtis’s Botanical Magazine:

“Unfortunately the flowering stage was so rapid that it was witnessed by few, and by them at the expense of enduring an atrocious stench, resembling that of Bulbophyllum Beccarii, which rendered the tropical Orchid house at Kew unendurable during its flowering in 1881. I should be wanting in gratitude if I did not here express my deep obligation to the talented artist (Miss Smith), who, in her efforts to do justice by her pencil to these plants, suffered in each case a prolonged martyrdom that terminated in illness in the case of the orchid.”

The long-suffering “Miss Smith” was Matilda Smith (1854–1926), Hooker’s second cousin and prolific illustrator of Curtis’s Botanical Magazine. While the titan was in bloom, Smith completed three paintings of the plant that were published in the magazine in 1891.

Also growing in one of Kew’s greenhouses was a saguaro. Smith was the first artist to paint a complete botanical illustration of the saguaro (June 2013 Desert Breeze). The fourteen-foot tall specimen flowered for the first time in July 1891, allowing Smith to include the flowers in her illustration. Her career as a botanical illustrator was largely a result of a disagreement, in 1877, between Hooker and Walter Hood Fitch, Kew’s renowned artist and illustrator of Hooker’s many works. After Fitch’s departure, Hooker brought Smith to Kew to train her as a botanical artist, and her first work was published in the magazine the following year. Fitch’s nephew, John Nugent Fitch, provided the lithography for many of Smith’s paintings. From 1887 to 1920, she produced over 2,300 illustrations for the magazine, in addition to 1,500 illustrations for Hooker’s Icones Plantarum. In 1898, Smith became the first official artist of Kew Gardens. She retired in 1920, and her final illustration for the Botanical Magazine appeared in 1923.

The genus Smithiantha in the Gesneriad family, was named in honor of Smith by Otto Kuntze, and the genus Smithiella (now Pilea) was also named for her by Stephen Troyte Dunn, one of Kew’s botanists. Dunn wrote in his 1920 dedication:

“This genus is respectfully dedicated to Miss Matilda Smith, and the specific name of the first species [Smithiella myriantha] not inappropriately refers to its innumerable flowers as well as to the very large number of beautiful drawings and paintings of flowers with which Miss Smith has for so many years decorated the Botanical Magazine, the Icones Plantarum and the Kew Bulletin.”

Smith was chosen to design a portion of Joseph Dalton Hooker’s monument wall tablet that hangs in St. Anne’s Church near Kew Gardens. The five gracefully drawn plants, including a pitcher plant, a rhododendron, and an aristolochia, encircle an image of Hooker.

LINKS: The RBGE artists videotaped their painting sessions of the Amorphophallus titanum triptych. Here is a link to a Vimeo gallery that includes not only brief videos of the three different paintings in progress but also videos of the RBGE titan arum in bloom: vimeo.com/album/4694962/

Additional works by Matilda Smith, including a photograph of the her design for the plants on Hooker’s monument tablet as well as the three paintings of the titan arum, can be found through the home page of the Florilegium Program’s website (www.art-botanical.org).
Acknowledgement of Contributions
The names below represent the Tucson Cactus & Succulent Society members and friends whose donations helped make this year a success. We extend our sincere thanks for your support.

Florilegium
Anonymous
Matthew B Johnson & Patricia A Rorabaugh
Ralf Holzheu
Chris Bondante & Family
John Gilkey & Laurel Cooper
Carol Owens
Dick & Sue Hildreth
Margaret Pope & Family
Carl Englander & Paula Borchardt
Barbara Walker & Phil Feigin
Patricia H Waterfall

Conservation
Lindsey & Barry Abrahams
Constance Elson
Val L. Little
Mark Nall
Patricia H Waterfall
Linda Kappel
Judith Goodrode & Bob Zugar
Jean Relew & Gerald A Daharsh
Richard Poppy & Juliana Rose Teal
Mark Mason
Douglas Williams & Family
Teresa Brubaker
Mark Dworschak & Nicholle Zarkower
Stephan Baier & Family
David Yetman
Saralaine E Millet
Susan Richards
Steven Schmidt & Family
Thomas Pringle
Barbara Walker & Phil Feigin

Research
Chuck Penson & Kathryn Bevacqua
Barbara Walker & Phil Feigin
Paul Myrdal
John & Ann Tundermann
Adora-Marie Higgins & Allan Honda
Vonn Watkins

Education
George & Emojean Girard
Dennis Murphy & Nancy Beck
John J Ross
Yvonne Stokes
Jennifer Walker
Richard Ryan
Sylvia Simpson
Christina Frazer
Haden, Averie, Patrick & Liz Gaudet
Lorraine Mcpherson & Bruce Fulton

Susanna & Lucas Schippers
Matthew B Johnson
& Patricia A Rorabaugh
Helga Egerton

Publications
Chuck Penson & Kathryn Bevacqua
Lindsey & Barry Abrahams
Constance Elson
Val L. Little
Mark Nall
Patricia H Waterfall
Marie Hirsch

Unrestricted General Fund
Geno Decarlo & Diane Strzesak
Gene & Susan Kelley
Chris & Wendy Gaddis
Morgan Goldberg
Daphna Lederman
Robert & Mary Noel
Lee Oler
Dale & Susan Poulter
Fred & Pati Shuey
Ruth Vegodsky
Jim Zaino
Arch Ahern
Joseph Bannon
Bill Kendall
Kathleen Rowland
Sandra Stephenson
Leo Jacques
Janet Baker
Betty Bengtson
Mary & Barry Ganapol
Don & Belinda Huonker
Barbara Kelly
Ron & Abbe Meyer
Alyce Pennington
John & Jocelyne Rivers
Suzy Lillis
Sharon & Atwell
Gail Cohn
Sara L. Johnson
Scott Sherman
Michael Tamarack
Ann & Steve Berthe
Fiona Clark & Jim Boggs
Moira Shannon
Nancy & Reglis Slutter
Angela Miller
Kris Thompson
Jerry Allen & Family
Walther Ellis, Jr
Wendell & Rosemary Niemann

Jane Ruggill
Paul Shaw & Jeaninederby
Pat Sullivan & Lisa Lee
Jody Wilson
Betsy Zukosk
Steven C Chesser
Dean & Jenny Brick
Connie Engard
Phyllis Kileen
Don & Maribeth Morehart
Martha & Abby Taylor
Colette M. Altaffer
William Thornton
Helen Barber
Monty & Karen Turner
David Yetman

Pima Prickly Park
Ralf Holzheu
John Gilkey & Laurel Cooper
Joe Bacik
Linda E. Ryan
Cheryl Bullard
Anu Pundari
Monty & Karen Turner
Cathy Elias, Naheli & Ellis Cabezas
Monica Whnuk
Marian Alaback
David A Palzkill
Edith Jane & Richard Ulmer
Kristine Klewin & Family
Ray & Pat Merritt
Nicole & Michael Montroy
Cathy & Jon Robson
Joy Phoenix & Leslie Daggy
Robert & Donna Ellis
Lynn Mcevers Andrews & Family
Russ & Chris Freeman
Martha & Steve Goode
Curtis & Beth Hamann
Linda Heisley
Dianne Maki-Sethi & Ravi Sethi
David Moyer & Eileen Jarrett
Chuck Huckelberry & Family
Vonn Watkins
Richard Wiedhopf
Steven Schmidt & Family
Douglas Williams & Family
We also collected $500 and food for the Community Food Bank. This will be a busy year including the Sonoran XII conference on April 28, 29. This is always a very special event that includes a great show, plant, pottery, rescued cactus for sale, workshops, speakers, lunches and a special dinner. The complete schedule will be available in February. You will be able to register for the entire event of individual activities.

Donations, membership renewals and new members have been coming in at a fast pace and we are a little behind. Don’t be concerned everyone will be welcome at all events.

Pima Prickly Park is better and better each week with lots of new plants in place each week.

This message below was part of an email from the Desert Botanical Gardens. It is of concern to all non-profits. Your donations are important to TCSS no matter the amount. It makes a lot of activities possible. So, please read and think about how much your dollars mean to us and every other non-profit.

“The Tax Cuts and Jobs Act provides for several new lower tax rates, nearly doubles the standard deduction, eliminates personal exemptions and almost all itemized deductions. Although the legislation maintains the current-law for income tax charitable deduction, it will significantly reduce the number of taxpayers who itemize and effectively eliminate the income tax charitable deduction for a vast majority of Americans.”

Thank you for your support.

Dick Wedhof, President

PIMA PRICKLY PARK

continued from page 2

reason for this, so I found out, but in any case, I had to do something and decided to join TCSS’s Rescue Team. It takes a lot of plants to fill 1/4 acre; this seemed like the best way to go.

As a new TCSS member, I went on a few rescues and planted the saguaros, hedgehogs, and barreis in the Outback (an area outside our wall). I attended monthly meetings and became aware of Pima Prickly Park. This was perfect for my interest in native plants, and for using the propagation knowledge learned with the Master Gardeners. I asked Linda Heisley if I could manage the Hoop House; she agreed, and I have been there for the past five years. The Hoop House takes in rescued and donated plants for planting into the Park. I enjoy my volunteer hours working with the plants and watching them grow large enough for planting in the Park. The Park’s tough environment taught us many things.

The changes in the Park are astounding as well as those in the Hoop House. New systems are tried out to help with challenges of all sorts. As with all Tucson gardeners, we fight the heat, cold, dry soil, lack of irrigation, and critters. We learn and continue.

I would encourage anyone interested in volunteering to “Adopt a Patch” at Prickly Park. You will enjoy the gratification and fun times with other volunteers.

I have been honored to have both my Tucson residence yards featured in the Arizona Daily Star. In 1991, our first yard was featured in an article entitled “Backyard Oasis.” It spoke about the creation of three zones: vegetable garden, a green area with grass and waterfall, and pool/spa with ramada. Our second yard was on the 2010 Master Gardener Tour and a TCSS Home Tour.

Besides working for 25 years with real estate investors and attorneys and being a licensed real estate agent, my husband and I volunteered at the Southern Arizona Humane Society by fostering over 65 kittens. What a blast this was, until we had to turn them in for adoption when they were about 10 weeks old. They were too cute, and although all were adopted out quickly, we wanted to keep each one of them.

My favorite day of the week is Thursdays when I volunteer at Pima Prickly Park. I get to put my boots on, get soil under the nails, dirt all over, enjoy the company of others, and get satisfaction for helping a great organization and cause.

NATURAL FIREBREAK

The Lilac Fire in California has been devastating. If you are concerned about the possibility of wildfires near your home, please refer to Debra Lee Baldwin’s article and video on succulents as firebreak, (dbildelerabaldwin.com)

Debra shares that by planting fleshy-leaved, moisture-rich plants such as agaves, elephant’s foot, aeoniums, aloes, jade, and “Sticks on Fire” you may be planting a natural firebreak.

FROM THE PARK: WHAT’S NEW

The development of the Ferocactus Garden began in early December. Paths have been made and more than 50 specimens have been planted.

NOTE: A new year awaits us... With opportunities galore: From planting to watering And so very much more! Ferocactus are beckoning. The Hoop House is too. Come join us at last. They are waiting for YOU! -----Cari Wright"
TCSS BOARD

Officers
President: Richard Wiedhopf • president@Tucsoncactus.org
Vice President: Vonn Watkins • vp@Tucsoncactus.org

Secretary: Susan Durham
secretary@Tucsoncactus.org

Treasurer: Linda Bartlett
treasurer@Tucsoncactus.org

Board of Directors:
board@Tucsoncactus.org
(terms expire December 31 of year indicated)
Steve Chesser (2020)
Donna Ellis (2020)
Bill Salisbury (2020)
Kris Thompson (2020)
Teresa Curtis (2019)
Peter Ertrim (2019)
Don Morehart (2019)
Thomas Staudt (2019)
Kempe Bronkhorst (2018)
Karen Keller (2018)
Linda Heisley (2018)
Dale Johnson (2018)

CISA Affiliate Rep:
Bill Holcombe (2019)

Cactus Rescue: Donna Ellis
cactus@Tucsoncactus.org

Education: Caryn Jones • education@Tucsoncactus.org
Free Plants: Donna Ellis • plants@Tucsoncactus.org
Paroleum: Margaret Pope • paroleum@Tucsoncactus.org
Librarian: Joie Giunta • librarian@Tucsoncactus.org
Prickly Park: Linda Heisley • pricklypark@Tucsoncactus.org
Programs: Vonn Watkins • programs@Tucsoncactus.org
Refreshments: Patsy Frannea • refreshments@Tucsoncactus.org
Technology: technology@Tucsoncactus.org
Research: Doug Rowsell • research@Tucsoncactus.org
Garden Tours: Bill Salisbury • tours@Tucsoncactus.org
Field Trips/tours: Bob Romont • bobromont@Tucsoncactus.org

TCSS Web Page:
www.tucsoncactus.org

Webmaster: Kempe Bronkhorst • webmaster@Tucsoncactus.org
For additional information call: (520) 256-2447

Everyone is Welcome!
Bring your friends, join in the fun and meet the cactus and succulent community.

TCSS Club Members receive a 10% discount

Please see our Website Calendar for the next rescued cactus sale. They are scheduled at various times during the year based on our inventory.

We need your “Eyes and Ears” to help us find new Cactus Rescue sites. Please email us as much information as you can from new project signs or from other sources to Site@TucsonCactus.org. Attach a photo of the sign if you can. Note, we do not remove plants from residences.

TCSS Newsletter

January 2018

Thursday, January 4, 2018 at 7:00 pm
Where Did I Go Wrong
Presented by Chuck Hanson

Come with me on a three-month safari to East Africa of the 1960’s. Although much of the area looks like SE Arizona, it is (was) populated by an amazing and diverse megafauna. The safari is mostly in the savannahs of Kenya and Tanzania, but we also go north into the vast desert area of northern Kenya to join the Royal Geographical Society’s Turkana Expedition. A safari such as this will never be possible again, for reasons you will soon see!

Curriculum Vitae for Chuck Hanson
1952-'56 Virginia Tech, BSc in Zoology.
1957-'59 National Science Foundation Scholarship, Ohio State University, MSc in Zoology.
1959-'60 Ohio Division of Wildlife, Upland Game Biologist.
1969 3 months in East Africa.
1969-78 Curator of Large Animals, ASDM.
1993-'95 President, Tucson Cactus and Succulent Society.
2008-'12 Lived in Ecuador, studied native cacti, succulents and orchids.
2013 Retired to Sonoita, Arizona

I want to welcome everyone to our introductory program for 2018. Please come and enjoy a marvelous presentation, have some refreshments, meet and talk with friends, take home some plant giveaways and accept great raffle plants. Also, be sure to take a free TCSS plant provided as you leave for the evening.

Thursday, February 1, 2018 at 7:00pm
Lessons from Tortilla Flats or No Species is an Island
Presented by Ted Fleming

January Meeting Refreshments
Those with family names beginning with A-J, please bring your choice of refreshments to the meeting. Your generous sharing will be greatly appreciated and enjoyed!