

Tucson Cactus and Succulent Society

Celebrating 20 Years Of The

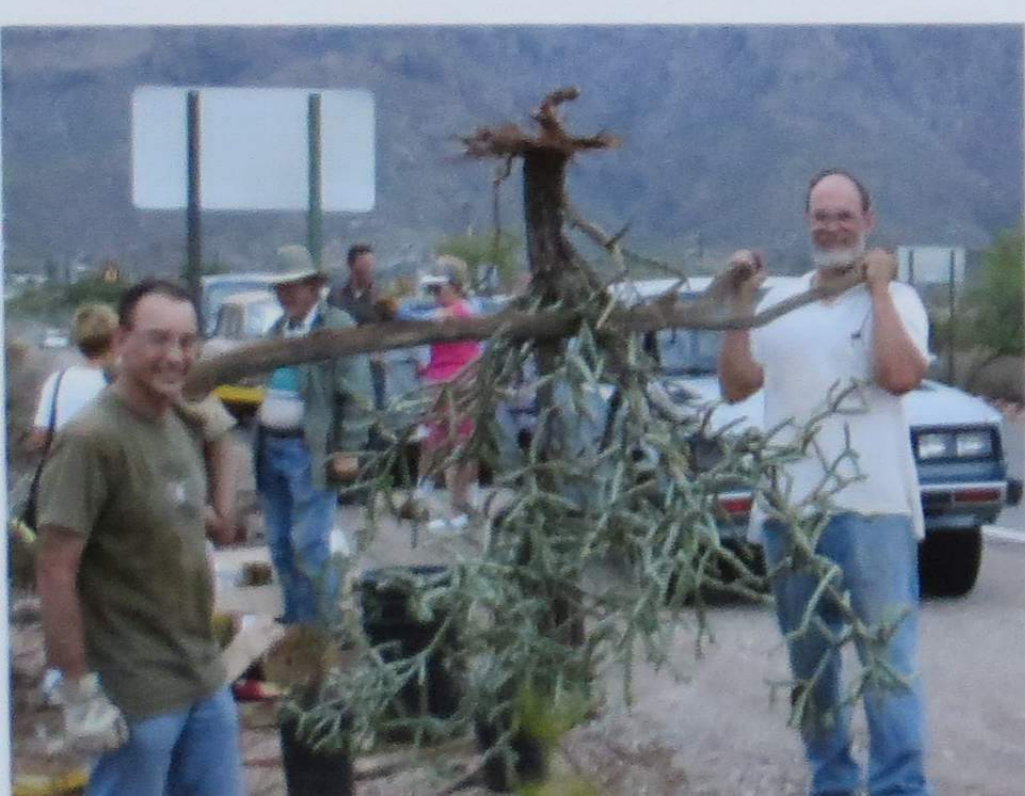
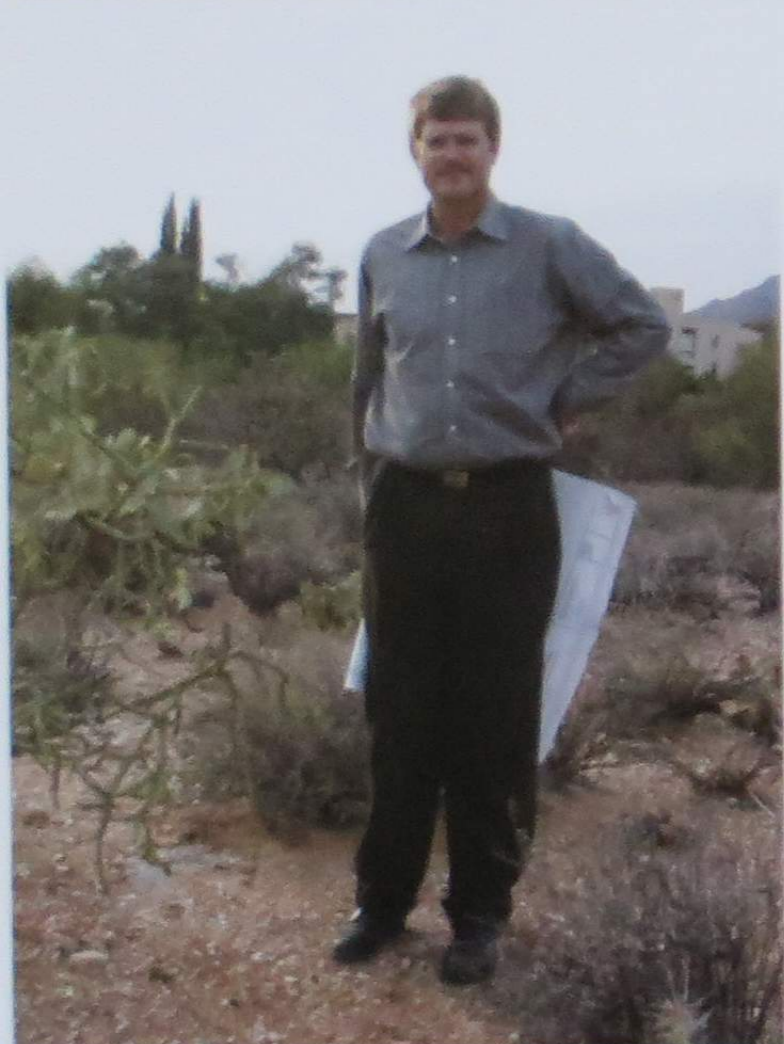
# Cactus Rescue Crew Program

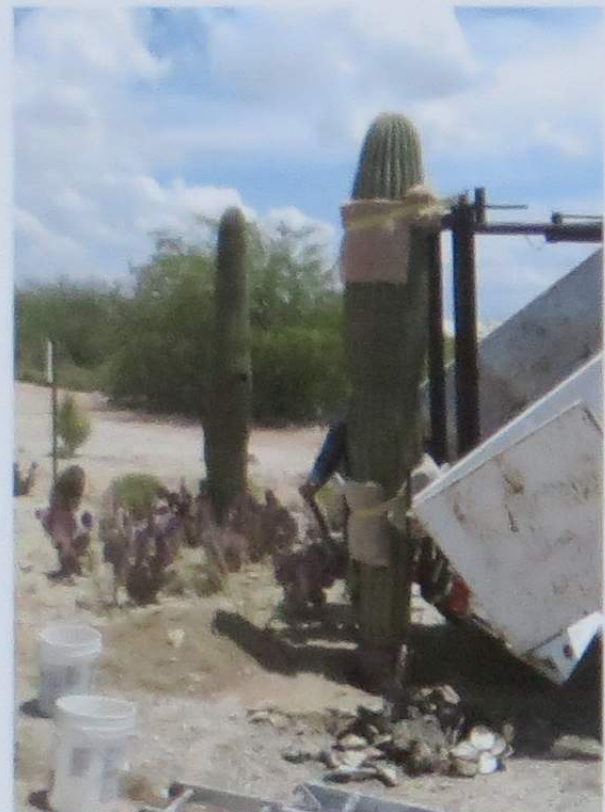
Photo Boards for the Celebration Event  
Held At

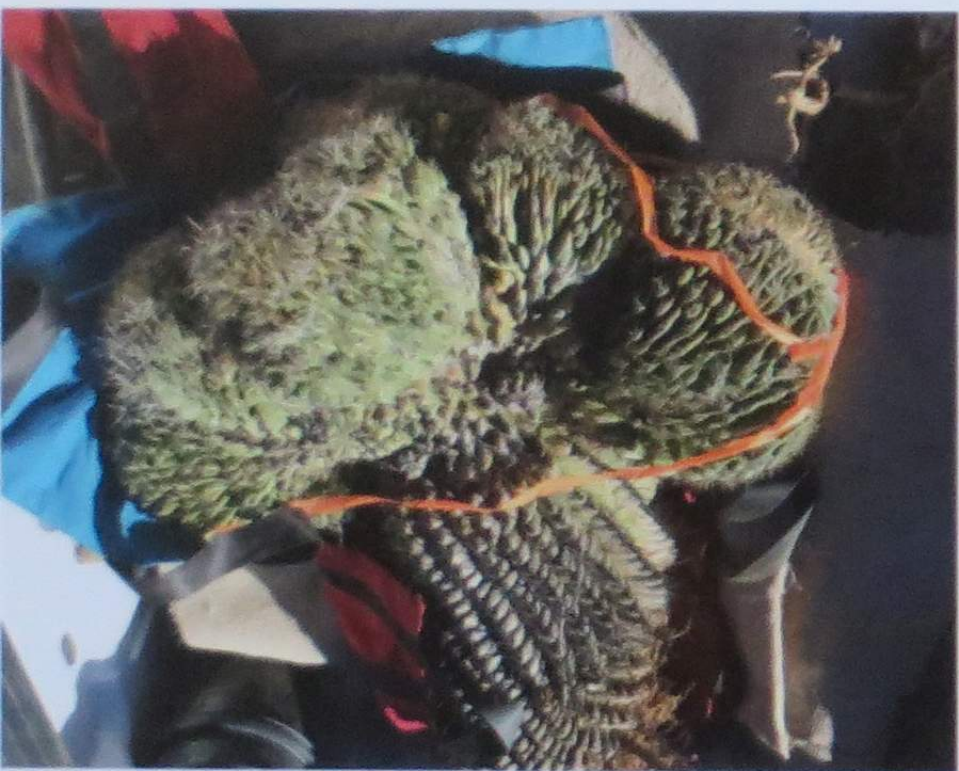
Pima Prickly Park

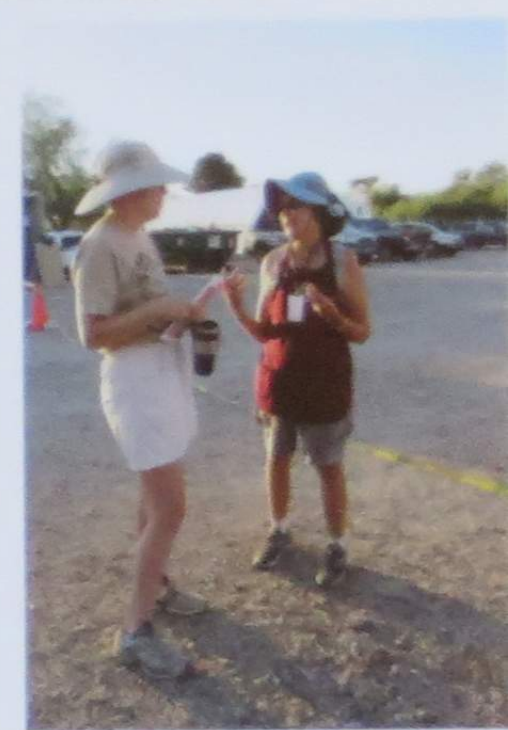
October 5, 2019 - 10 AM to 2 PM

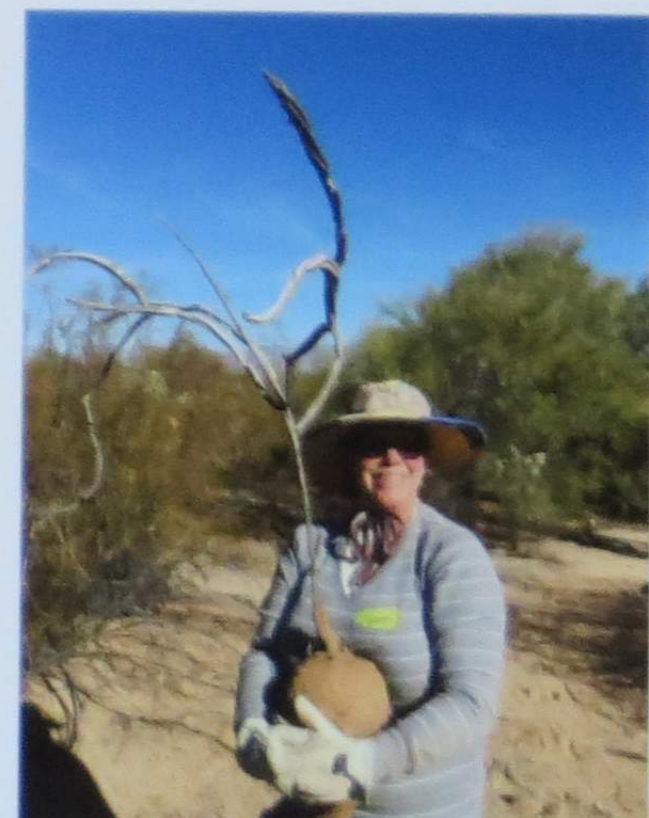
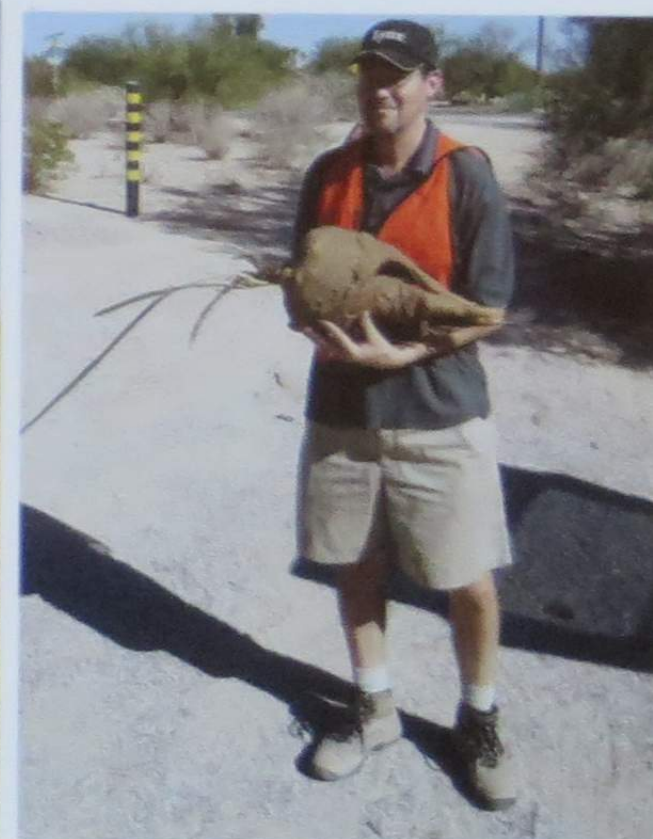
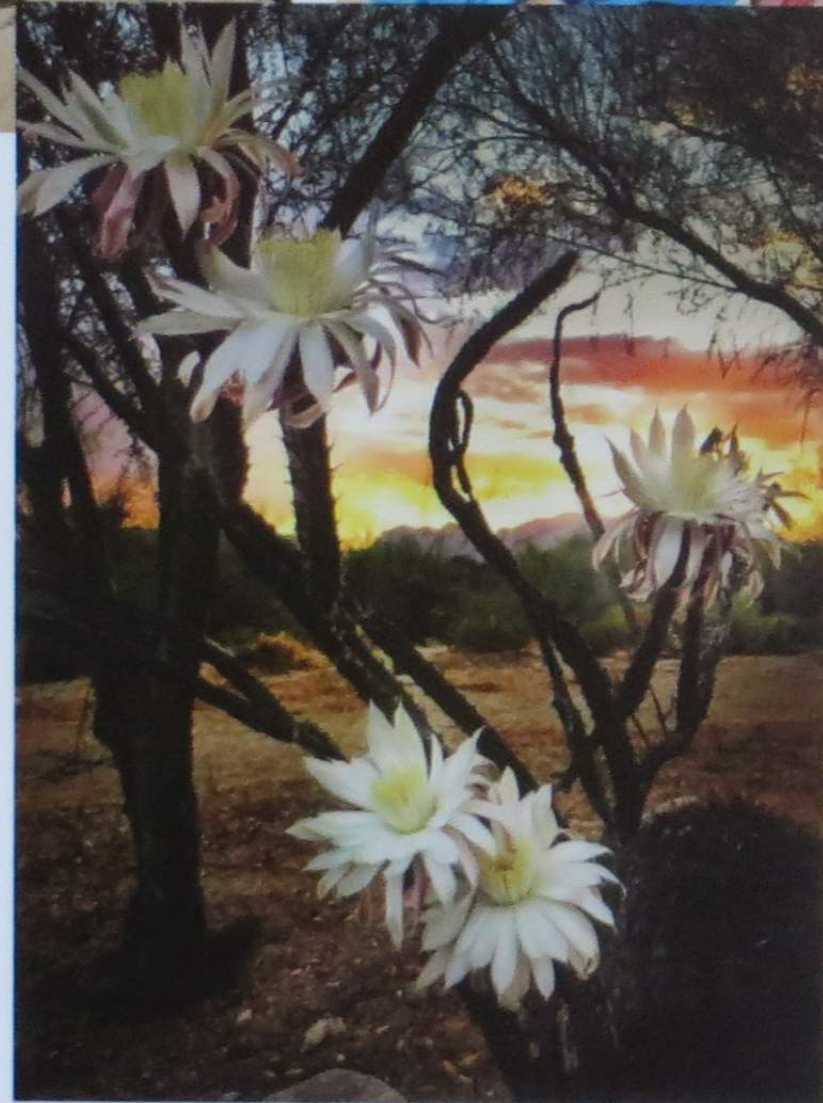


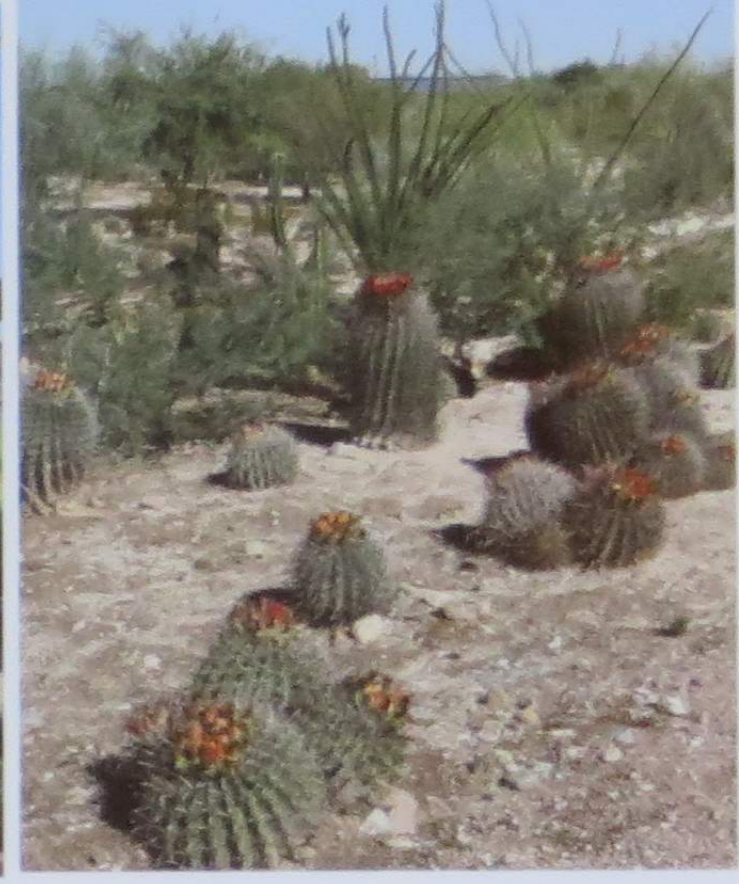










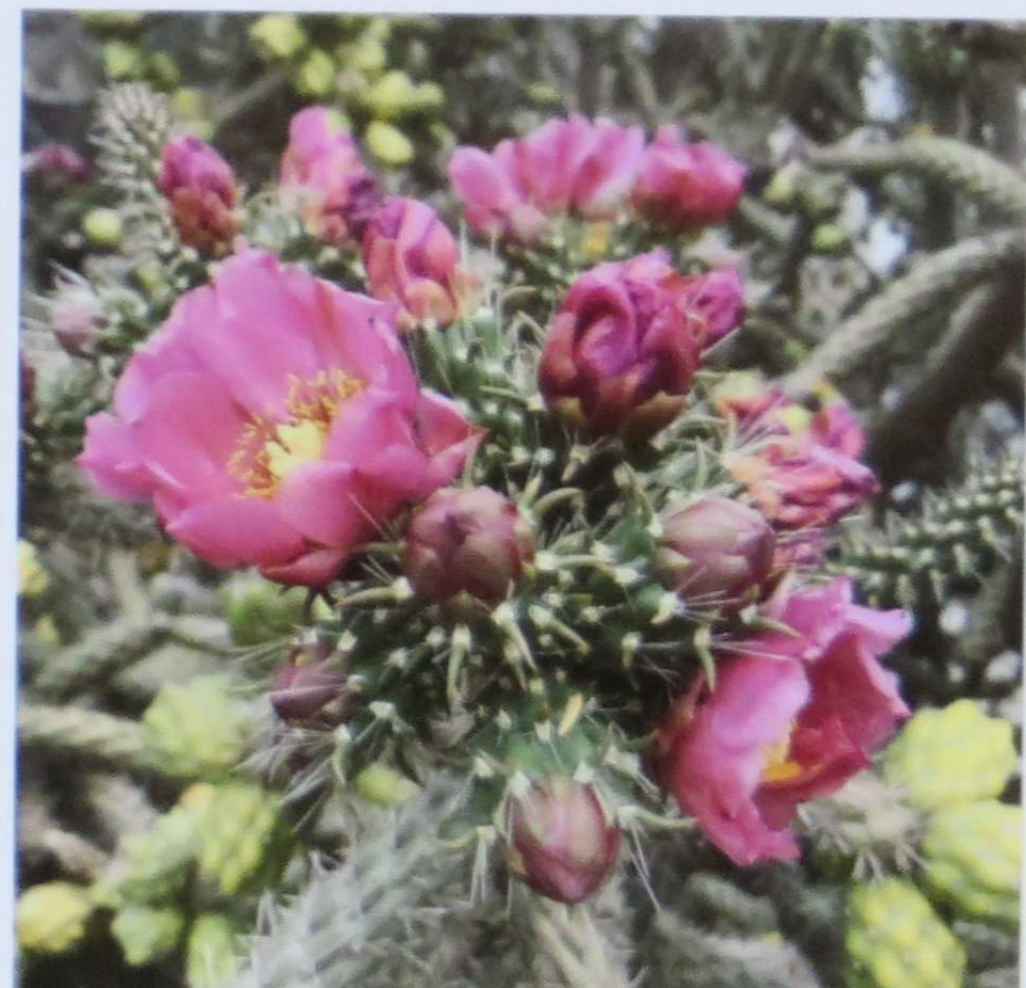
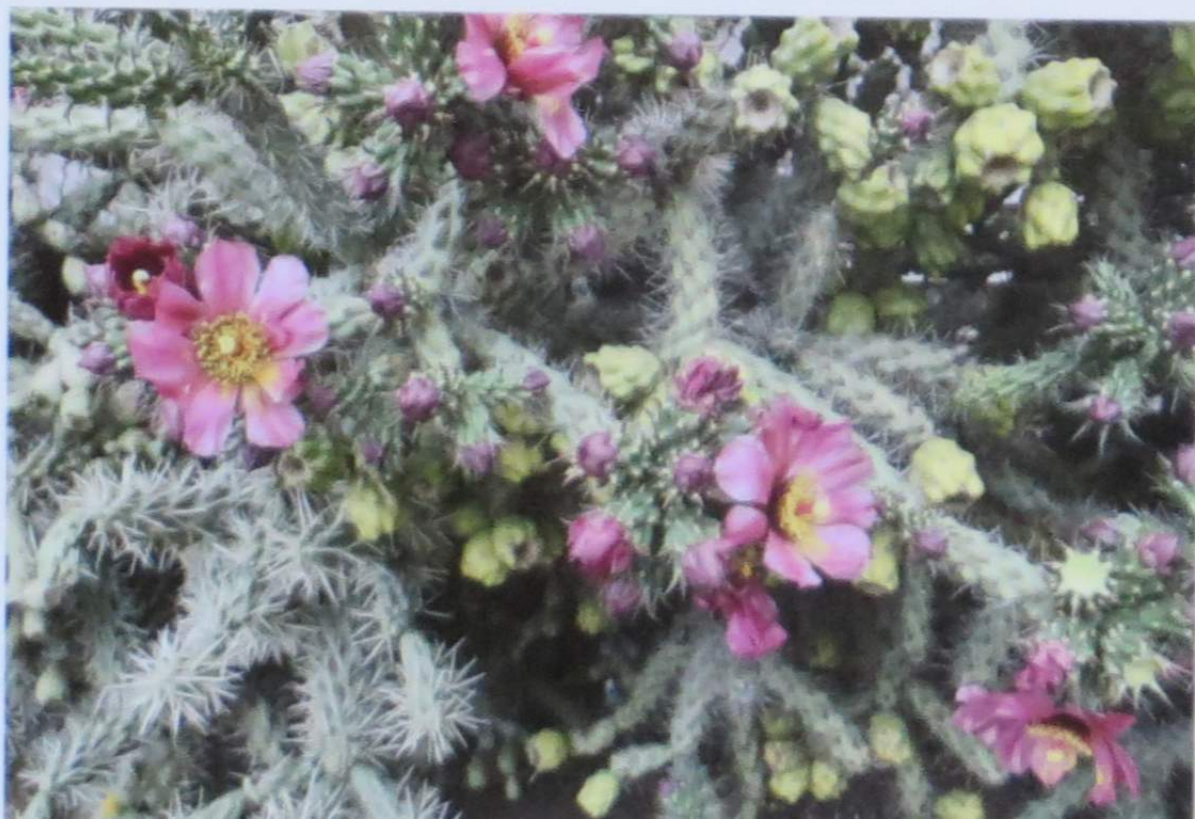
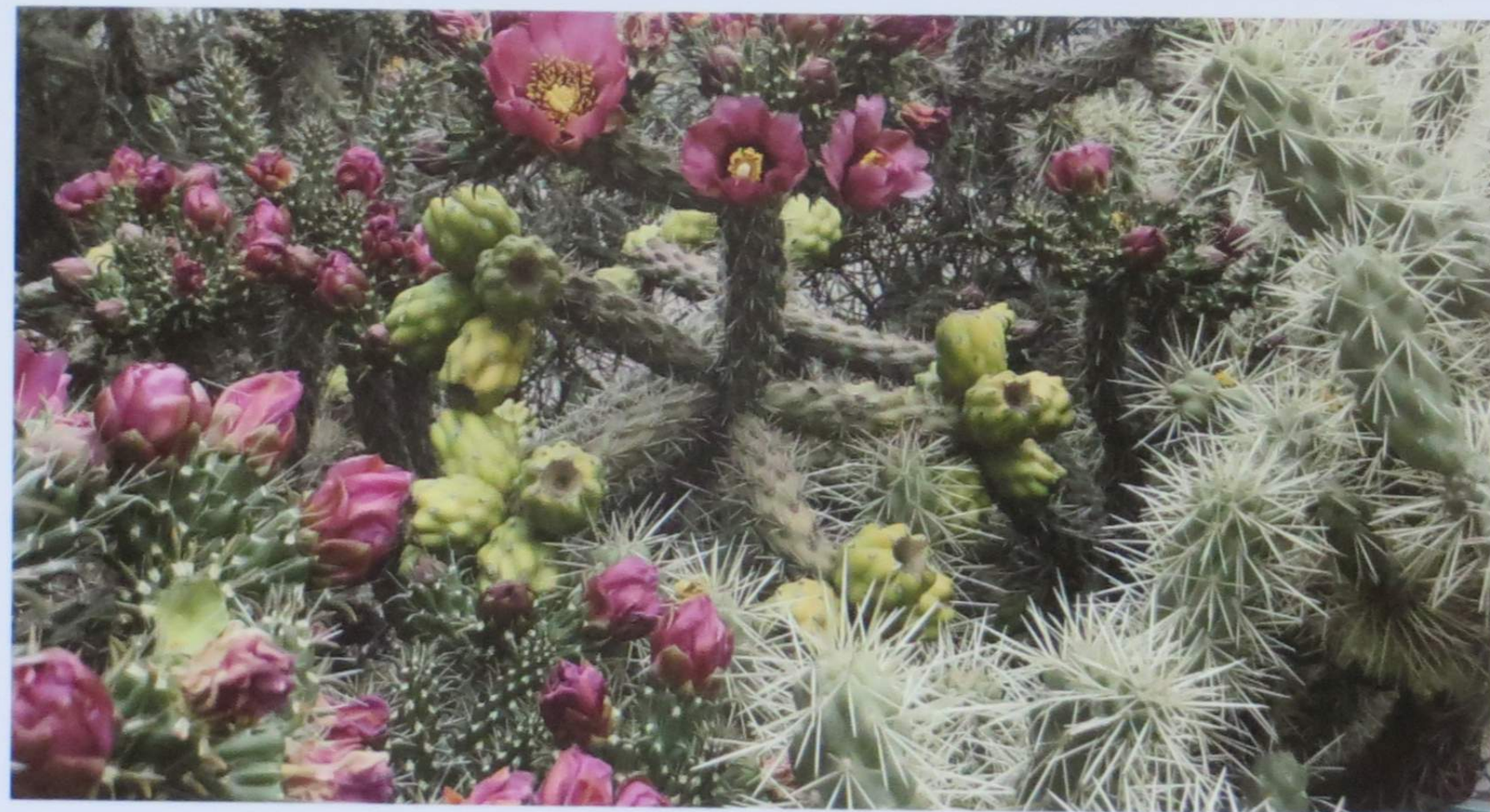
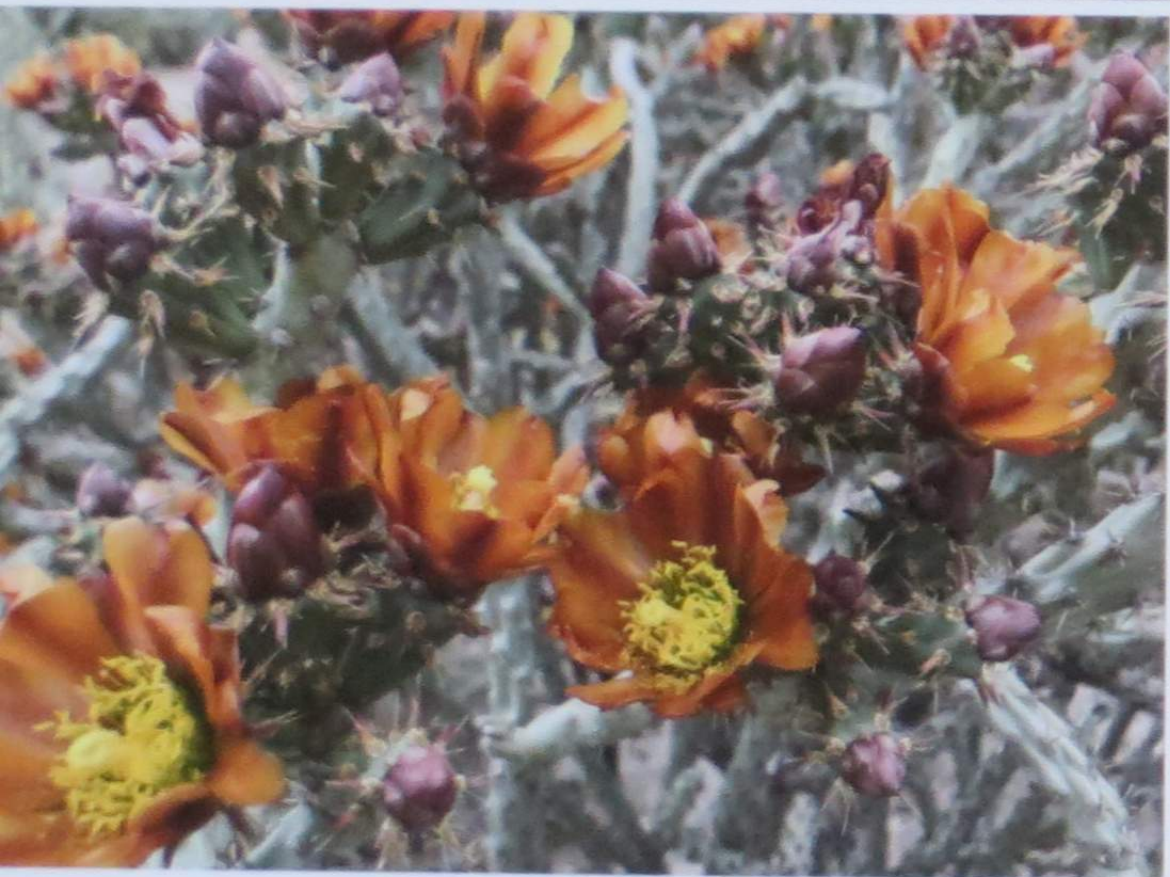






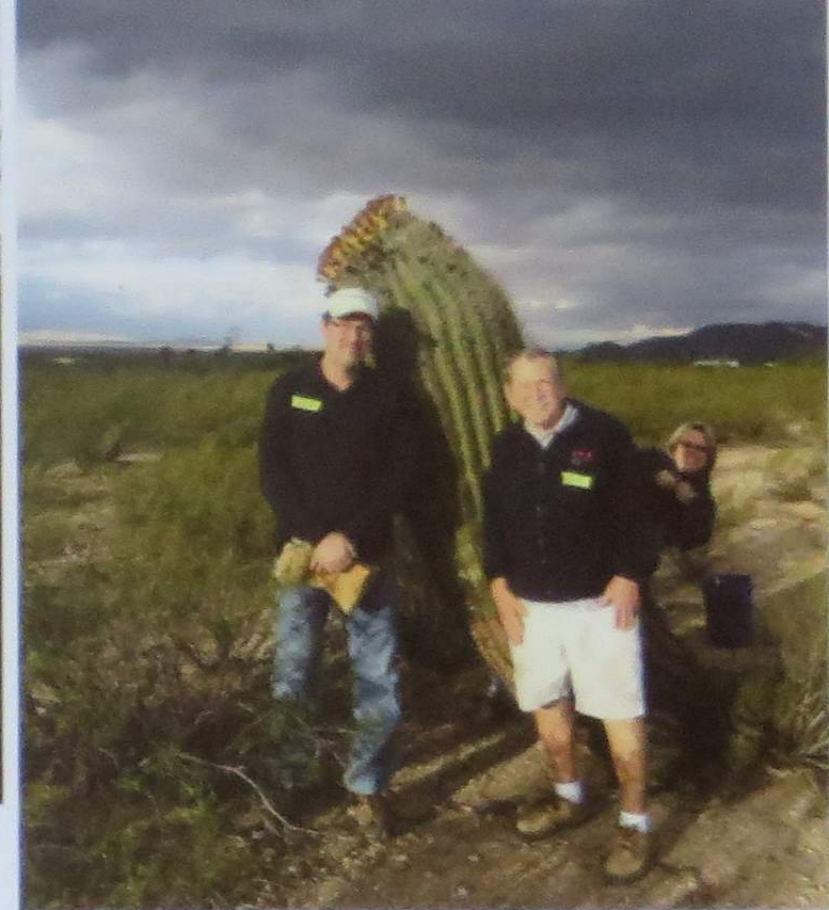


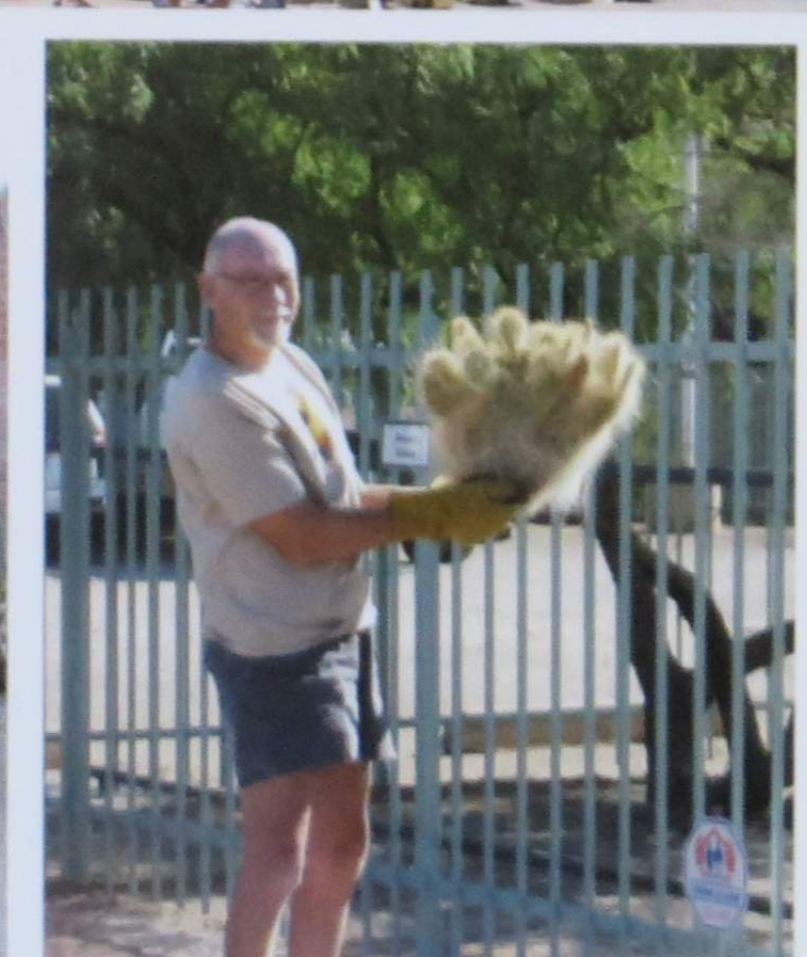


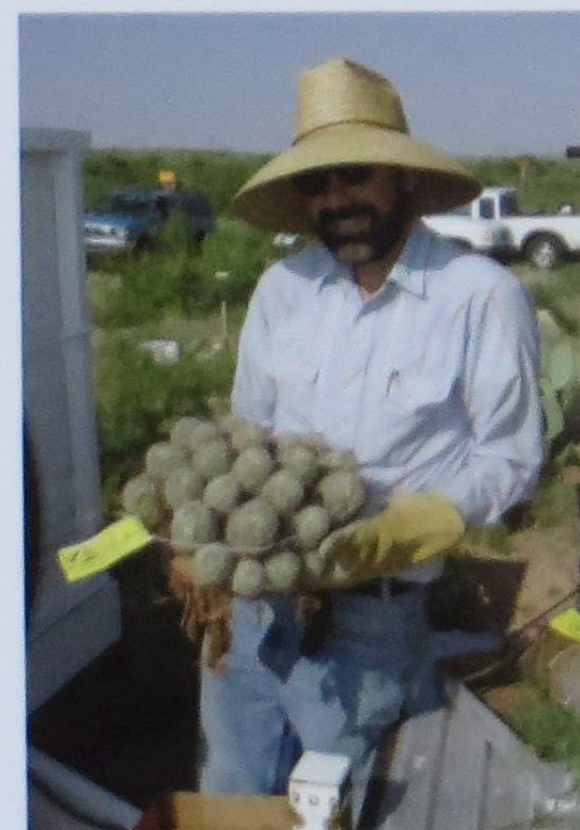














# Desert Breeze

Volume 4, Issue 7

AUGUST 1999

Lois Ladwig and Dick Wiedhopf  
report on the TCSS salvage operation

## Saving our Native Cactus



Chris Monrad, TCSS member, brought our society the opportunity of salvaging native cacti growing on a 15-acre soon-to-be cleared elementary school site in the Amphi school district. While a portion of the site is being preserved in its natural state, the school district is salvaging some of the plants in the area to be cleared for later use in the school landscaping. Many more plants were growing happily in the area soon to be bulldozed.

With the permission of the school district, Dick Wiedhopf, Vonn Watkins, and Lois Ladwig met Chris's parents and one of their neighbors on the site and counted and marked many ferocactus, echinocereus, and mammillaria as potential salvage plants along with one *Peniocereus greggii*. With this information and salvage permission from Mike Orr of the Amphi construction office, Dick went to the AZ Department of Agriculture's Native Plant Office and obtained tags and seals to allow salvage of 94 plants. Marty Harow and his son collected approximately 35 cacti and brought them to be included in the successful Silent Auction held June 26th at TBG.

Following this initial collection, more plants were collected and stored at TBG until they

could be placed in new homes in the community. Plants were donated to TBG for use in the gardens and to the Desert Museum to add to the desert setting there. At the July 8 TCSS meeting the *Peniocereus greggii* was a raffle plant and many of the other plants were sold to members of the society. Dick went back to get more tags and seals and another collection effort saved more plants. The salvaged plants will continue to be available to TBG and ASDM and available for purchase.

This is a new direction for TCSS and one that has already provided great satisfaction to participating members whose efforts have saved beautiful cacti scheduled to be destroyed. When walking the site for the survey, it was amazing how many cacti were hiding under the bursage and desert trees. Every step revealed another plant soon to be bladed by a bulldozer. A portion of the site had already been bladed with mammillaria and echinocereus uprooted and cholla broken up and dying. While we were not able to save all the plants on this site, we feel this first effort was very successful and a good learning experience.

We hope to identify a group of members who

want to act as a TCSS salvage team and are looking for more salvage opportunities. There are two more sites posted as potential salvage sites and Dick and Vonn are contacting the owners/developers to see if we may continue our plant rescue.

Thanks to the Amphi school district for allowing us to salvage some of these smaller plants that are not normally saved and to Chris who was instrumental in giving us this opportunity.

The Oro Valley residents care about native vegetation and called the local police to check out what we were doing on the school site. We had the appropriate permit and tags which were verified by the police so there was no problem.

Everyone needs to be aware of the native plant laws and to adhere to them. There is a web site: <<http://agriculture.state.az.us/PSD/native-plants.htm>> (*nativeplants* is one word) which has files of the laws and permits required for clearing land and salvaging protected native plants. It also includes a 12-page list of the protected plants of Arizona.

For those who purchased plants and used the plastic flats to carry them home, please bring the flats to the next meeting so we can reuse them in further salvage efforts. If you have extra flats that you want to donate to this effort please bring those to the next meeting on August 5. Thank you.

**DIRECTIONS**

Wrap nylon cord around plant, drawing closely into the plant and fasten with a knot. No more than 1 inch space shall be between the knot and the plant. Remove the backing from the center portion of the tag and carefully drape it behind the knot. Position the tag so the knot will be centered in the space below. Fold the tag over the knot pressing the tag together making sure the tag cannot slide away from the knot.

~ PLACE KNOT HERE ~

STATE OF ARIZONA  
DEPARTMENT OF  
AGRICULTURE

Native Plant Tag

UNLAWFUL to transport plant until tag is properly affixed to the plant.

UNLAWFUL to remove this tag from the plant until planted in final location.

FINAL OWNER is to retain this tag as proof of ownership.

VIOLATION of the native plant law may constitute a felony offense and may subject the violator to a fine.

Tag No.  
63194

**DIRECTIONS**

Wrap nylon cord around plant, drawing closely into the plant and fasten with a knot. No more than 1 inch space shall be between the knot and the plant. Remove the backing from the center portion of the tag and carefully drape it behind the knot. Position the tag so the knot will be centered in the space below. Fold the tag over the knot pressing the tag together making sure the tag cannot slide away from the knot.

~ PLACE KNOT HERE ~

STATE OF ARIZONA  
DEPARTMENT OF  
AGRICULTURE

Native Plant Tag

SAGUARO

UNLAWFUL to transport plant until tag is properly affixed to the plant.

UNLAWFUL to remove this tag from the plant until planted in final location.

FINAL OWNER is to retain this tag as proof of ownership.

VIOLATION of the native plant law may constitute a felony offense and may subject the violator to a fine.

Tag No.  
21736

**DIRECTIONS**

Wrap nylon cord around plant, drawing closely into the plant and fasten with a knot. No more than 1 inch space shall be between the knot and the plant. Remove the backing from the center portion of the tag and carefully drape it behind the knot. Position the tag so the knot will be centered in the space below. Fold the tag over the knot pressing the tag together making sure the tag cannot slide away from the knot.

~ PLACE KNOT HERE ~

STATE OF ARIZONA  
DEPARTMENT OF  
AGRICULTURE

Native Plant  
less than 8"

UNLAWFUL to transport plant until tag is properly affixed to the plant.

UNLAWFUL to remove this tag from the plant until planted in final location.

FINAL OWNER is to retain this tag as proof of ownership.

VIOLATION of the native plant law may constitute a felony offense and may subject the violator to a fine.

Tag No.  
6607

**Cactus Rescue Crew Program**

**I BRAKE FOR CACTUS!**

PIMA PRICKLY PARK • TUCSON, AZ [TUCSONCACTUS.ORG](http://TUCSONCACTUS.ORG)

**Desert Breeze**

December 2001 Newsletter of the Tucson Cactus & Succulent Society

## Saddlebrooke, Our Largest Successful Salvage Project This Year

By Chris Monrad

During July, August, September, and October the Salvage Crew completed the bulk of its work at the newest construction phase within the Saddlebrooke Resort Community in Southern Pinal County.

Our sincere and resounding thanks are directed toward Don Fickett of Saddlebrooke Development Company and their parent company Robson Communities for partnering with us on this huge undertaking. We look forward to future projects with Saddlebrooke and Robson as they may arise.

With the assistance of some twenty odd crew members (you all know who you are!) over twelve weekends, well in excess of two-hundred plants were removed from the site and are destined for new homes throughout Arizona. The various species involved were *Echinocereus fusciculatus*, *Echinocereus fendleri*, *Echinocereus alamosanus*, and some possible hybrid plants of unknown origin. Various *Opuntias* and *Cylindropuntias*, *Escobaria virgata* subsp. *argentea* as per Dan Birt's description, and maybe some *Escobaria virgata* subsp. *dissecta* as well. *Ferocactus wislizeni*, *Mammillaria grahamii*, and *Mammillaria grahamii* subsp. *edulis* and some thirty *Cercaria*, *Poupartia splendens* of which about half ended up at the Arizona-Sonora Desert Museum and the University of Arizona Cooperative Extension Headquarters.

Nurseryman Jim Elliott of Arizona Cactus Sales in Chandler (180-963-1061) was a strategic partner in acquiring hundreds of our plants for distribution.

My personal thanks go out to all Salvage Crew members, whether there for one weekend or eleven (Pete Fennema attended eleven straight weekends!) throughout the brutal summer months. Fond memories of ice water, rattlesnakes, deer (and that night), Gila Monsters, and the myriad colors of the *Ferocactus* in bloom over those many weeks exist for those who endeavored to make a difference in salvaging this site and the other six projects we worked on this year.

Happy Holidays and looking forward to more successful projects next year.

**98092**

**Cacti Rescued - Since 1999**

444 Rescues • 35,125 Volunteer Hours

Years	Rescued Cacti	Rescue Trips	Volunteer Hours	Cactus Tag Costs	# of Crew	Acres Rescued	Rescued Sites
1999-2001	5565	40	600	\$10,000	30	200	15
2002	4282	32	1263	\$9,471	48	969	7
2003	1771	9	647	\$3,897	68	334	5
2004	4382	28	1300	\$10,303	113	608	17
2005	9412	32	2317	\$23,792	203	1046	13
2006	5981	28	2258	\$15,037	177	451	19
2007	5965	20	2426	\$13,290	180	407	7
2008	5038	19	2447	\$15,528	191	166	9
2009	4670	25	2466	\$22,475	184	127	10
2010	3716	24	1991	\$14,775	157	415	10
2011	6435	27	1931	\$12,121	142	186	10
2012	4991	16	1476	\$11,882	152	208	10
2013	4615	24	1761	\$14,207	157	163	7
2014	7700	28	2170	\$19,779	183	387	12
2015	2061	11	842	\$4,189	130	293	8
2016	3828	15	2161	\$9,054	134	426	9
2017	3369	14	2190	\$7,169	127	300	8
2018	8404	24	2602	\$10,564	-	274	14
All Years	92,185	416	32,866	\$227,533	-	6,960	190



# TCSS CACTUS RESCUE CREW

## \*\*\*HEADLINES\*\*\*



### Cactus Rescue: Saving Desert Treasures

#### Saguarohenge stands tall at Pima Prickly Park

By Doug Kovacs Arizona Daily Star June 6, 2009



#### Arizonans Fight to Save Native Cactus

By BILL REDEKER July 8, 2006

Enter the Cactus Rescue Crew – an all volunteer force whose mission is to save what's growing before homebuilders bulldoze the desert.



#### Atlas Obscura

### When Cactus Destruction Is Imminent, These Rescuers Come Running

The Tucson Cactus and Succulent Society is closing in on 100,000 salvaged plants.

BY LESLIE NEMO • OCTOBER 25, 2018



### Cactus "Rescue" Saves More Than 300 Native Plants at Substation Construction Site Near Vail

Feb 16, 2011

## Native plant salvage is good business

By William Thornton Special to the Arizona Daily Star Mar 12, 2015

### Pima Prickly Park opens today

Looking sharp for opening day

Sept 22, 2017

GOVT AND POLITICS

Pima Prickly Park under development

Rhonda Bodfield Arizona Daily Star Aug 16, 2011

Pima County is in the midst of creating a park of the prickly variety. Working in conjunction with the nonprofit Tucson Cactus and Succulent Society, the goal is to make a 9.4-acre site near West River Road and North Camino de la Tierra the most complete collection of prickly pear and cholla in the entire country.

#### THE VAIL VOICE

### Tucson Cactus and Succulent Society (TCSS) to the Rescue ...



Tucson Electric Power

Rescuing Desert Cacti - April 2016 | Environment

They're sentinels of the desert – tall, narrow saguaro cacti that grow throughout the Tucson Electric Power service territory.

Our Land Resources team takes great care to protect and salvage a wide variety of cacti, including saguaros, barrel cacti, ocotillos and less-common species such as queen of the night.

GOVT AND POLITICS

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## Group plans Tucson park showcasing desert plants

The Associated Press Aug 13, 2011

### Cactus Rangers To The Rescue



May 23, 2007 at 9:26 PM MST - Updated July 26 at 5:46 AM

Erin Jordan KOLD News 13 Meteorologist



Each time the bulldozers go to work in southern Arizona, you can almost bet that some cacti are left behind. The plants are uprooted, left in ruins, and soon die. But it's not always this way thanks for the work of the Tucson Cactus & Succulent Society. Volunteers with this group have turned into Cactus Rangers. They save as much of these desert plants as they can, before construction begins.

"We've saved over 34,000 cacti" say Chris Monrad Cactus Ranger. "We'll go out and salvage 500 to 5,000 plants from a site."

THE UNIVERSITY OF ARIZONA

## CAMPUS ARBORETUM

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### Tucson Cactus and Succulent Society Restores the Krutch Garden

Joseph World Krutch Garden Restoration 2014

## The New York Times

### Helping Save Prickly Victims of Development

By PATRICIA LEIGH BROWN APRIL 14, 2006

CATALINA, Ariz. — The operation began military-style at the crack of dawn. Bearing welders' gloves, shovels and tweezers for medical emergencies, the brigade of 40 moved across the desert, undaunted by rattlers, in single-minded pursuit of their well-defended targets.

March 27, 2002

### Desert plants saved just in time

Volunteer crew beats bulldozers to shopping site; saguaros, other natives survive

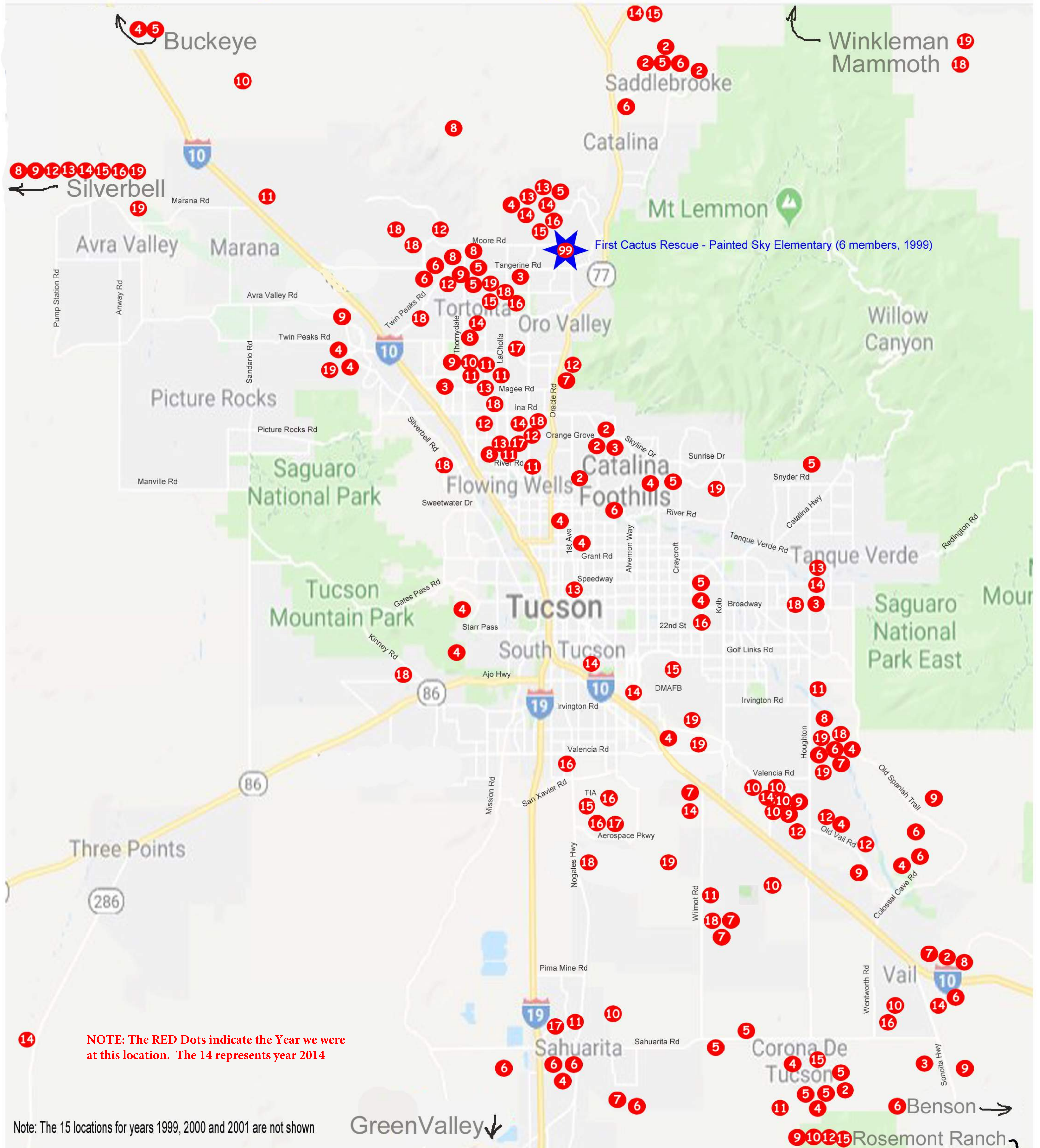
By Carla McClain

ARIZONA DAILY STAR

# Tucson Cactus and Succulent Society

## Cactus Rescue Crew - Rescue Sites

### Celebrating 20 Years Saving Over 98,000 Cactus



## Some Interesting TCSS Cactus Rescue Crew Facts:

- Our Cactus Rescue Crew has rescued over 98,000 plants since our start in 1999
- We have 130 to 200 TCSS Members participate each year (past 15 years)
- Conducted 445 rescues with over 35,000 volunteer hours contributed
- The Crew has rescued 201 sites covering 7,000 acres
- Have Partnered" with 100 Businesses, Municipalities, Utilities and School Districts
- TCSS has spent \$245,000 buying AZ Department of Agriculture transport tags
- We have had over 60 public rescued cactus sales, selling them at very reasonable prices
- TCSS is the largest Cactus and Succulent Society with over 1,300 Members (2019)

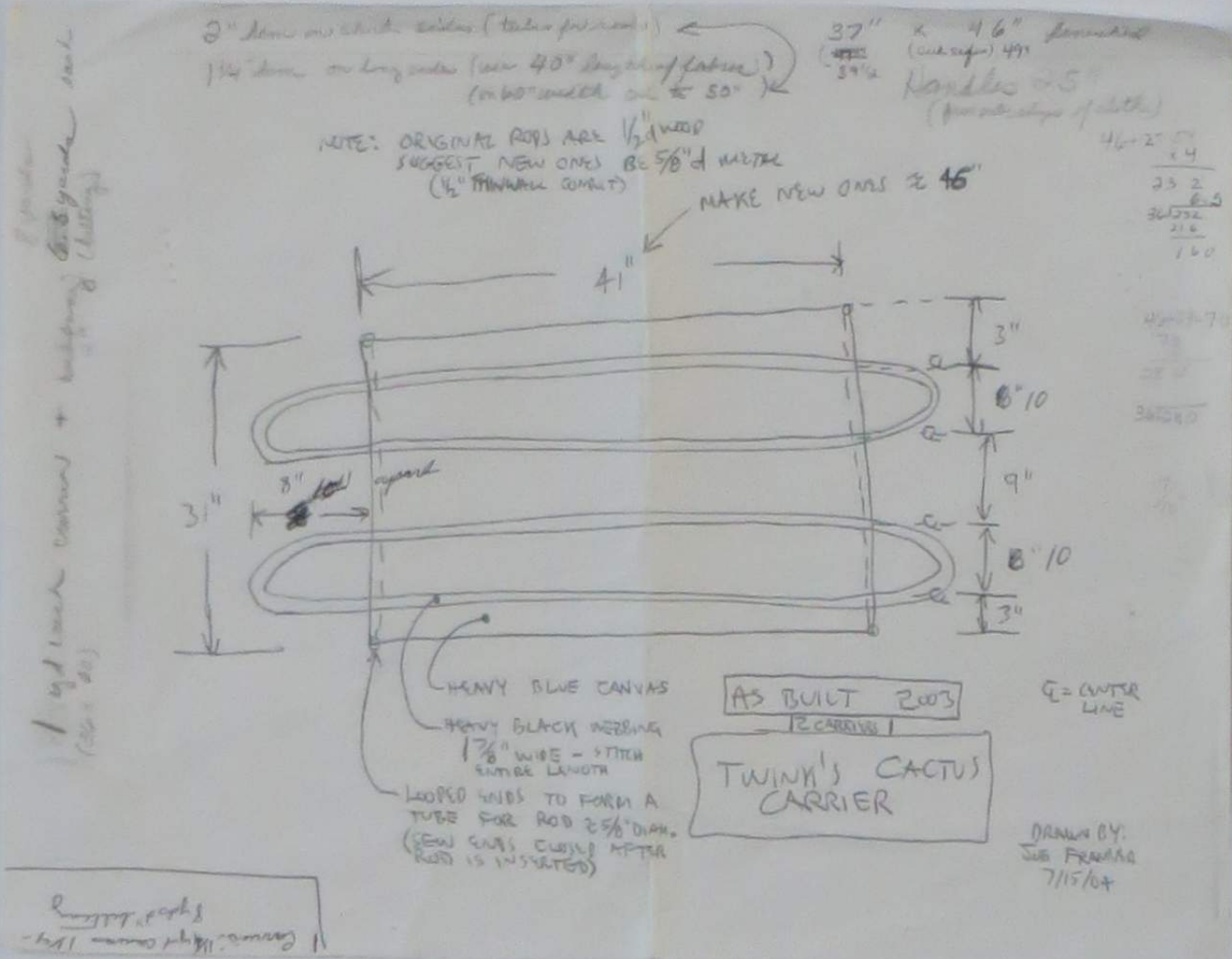
9/14/19 jmf

**TUCSON CACTUS AND SUCCULENT SOCIETY  
CACTUS RESCUE CREW PARTNERS  
CELEBRATING 20 YEARS**

ABRAMS DEVELOPMENT  
A.W. MARRS DEVELOPMENT  
A.F. STERLING  
ALBANESE-BROOKS ASSOCIATES  
AMPHITHEATER UNIFIED SCHOOL DISTRICT  
ASARCO, SILVERBELL MINE  
AULT COMPANIES  
ARIZONA CACTUS SALES  
BAKER - FEARING  
B&B CACTUS FARM  
BOWERS ENVIRONMENTAL CONSULTING  
BURLINI - SILBERSCHLAG  
BURNS AND WALD - HOPKINS ARCHITECTS  
CALPORTLAND  
CANOA DEVELOPMENT  
CARONDELET, ST. MARY'S HOSPITAL  
CASAS CHURCH  
CATALINA MARBLE QUARRY, WHITE ROCK MARBLE  
CHESTNUT CONSTRUCTION  
CITY OF MARANA  
CITY OF TUCSON DEPARTMENT OF TRANSPORTATION  
CITY OF TUCSON WATER DEPARTMENT  
CIVANO NURSERY  
CORE CONSTRUCTION  
DAVIS MONTHAN AIR FORCE BASE  
DIAMOND VENTURES  
DIVERSIFIED DESIGN AND CONSTRUCTION  
D.L. WITHERS  
DND NEFFSON COMPANY  
DOUCETTE CONTRACTORS  
D.R. HORTON HOMES  
EMC2 GROUP  
FOREST CITY LAND GROUP  
FREEPORT-MCMORAN, MIAMI, AZ  
FULLERTON KINO PARKWAY  
GARDENING INSIGHTS, GREG CORMAN  
GATEWAY HACIENDA  
GRANITE CONSTRUCTION COMPANY  
HACIENDA DEL SOL GUEST RANCH AND RESORT  
HOVANIAN HOMES  
JAMES P. DOUGLASS  
KB HOMES  
KEMMERLY HOMES  
KEVIN B. HOWARD ARCHITECTS  
KINDER MORGAN  
LANG WYATT CONSTRUCTION  
LECHNER CONSTRUCTION  
LENNAR ARIZONA  
MARACAY HOMES  
MARANA UNITED SCHOOL DISTRICT  
MATTAMY HOMES  
MCGANN AND ASSOCIATES  
MERITAGE HOMES  
ML2 MANAGEMENT  
MMLA - PSOMAS  
MONTEREY HOMES  
MR. TREE  
MSC CONSULTING  
NATIONAL GYPSUM  
NCH CORPORATION  
NORRIS DESIGN  
NOVAK ENVIRONMENTAL  
PATHWAY DEVELOPMENTS  
PIMA COUNTY SOLID WASTE MANAGEMENT  
PIMA COUNTY DEPARTMENT OF TRANSPORTATION  
PIMA COUNTY NATURAL RESOURCES, PARKS AND RECREATION  
PRIVATE RESIDENCES – VARIOUS LOCATIONS  
PRUDENCE ESCALANTE  
PULTE HOMES  
QUICK MART, VAIL CONVENIENCE MARKET  
RANCHO VISTOSO PARTNERS  
RICHMOND AMERICAN HOMES  
RICK ENGINEERING  
RINCONADO  
ROBSON COMMUNITIES  
ROSEMONT COPPER, HUSBAY MINERALS  
SADDLEBROOKE RANCH  
SAGE LANDSCAPE ARCHITECTURE AND ENVIRONMENTAL  
SAHUARITA UNIFIED SCHOOL DISTRICT  
SHOPPES AT ORACLE ROAD  
SOUTHERN ARIZONA HOME BUILDERS ASSOCIATION (SAHBA)  
SOUTHWEST TRANSMISSION COOPERATIVE  
STANTEC  
SUNNYSIDE UNIFIED SCHOOL DISTRICT  
SWAIM ASSOCIATES, ARCHITECTS AIA  
TANK'S, THE FAIRFAX COMPANIES  
TARGET GENERAL  
TECHNICIANS FOR SUSTAINABILITY  
THE PLANNING CENTER  
THMS ASSOCIATES  
TUCSON ELECTRIC POWER COMPANY  
TUCSON UNIFIED SCHOOL DISTRICT  
THE PLANNING CENTER  
TOWN OF MARANA  
TOWN OF ORO VALLEY  
TOWN OF SAHUARITA  
TRICO ELECTRIC  
UNIVERSITY OF ARIZONA  
VAIL UNIFIED SCHOOL DISTRICT  
VISTOSO PARTNERS  
WESTCOR PARTNERS  
WESTERN ASSOCIATES DEVELOPMENT  
WESTERN HERITAGE HOMES  
WESTLAND RESOURCES, WHITE TANK, VERRADO  
WHEAT SCHARF ASSOCIATES

EVOLUTION OF JOE AND TWINK'S  
ORIGINAL CACTUS CARRIERS

There were many changes over the years.  
Joe's first drawing is dated 7/15/04 My  
last note dated 12/13/11. First we had a  
sleeve at each side filled with a wooden  
dowel. The dowels soon broke. Then we  
tried aluminum conduit pipes. They bent!  
So no more tunnels. Sizes and sewing  
styles and methods were changed and  
finally we got them right!



In Page 1 of 1

From: "Joe & Patsy Frannea" <franea@earthlink.net>  
To: "larrytwinkmonrad" <larrytwinkmonrad@earthlink.net>  
Subject: Re: cactus carriers

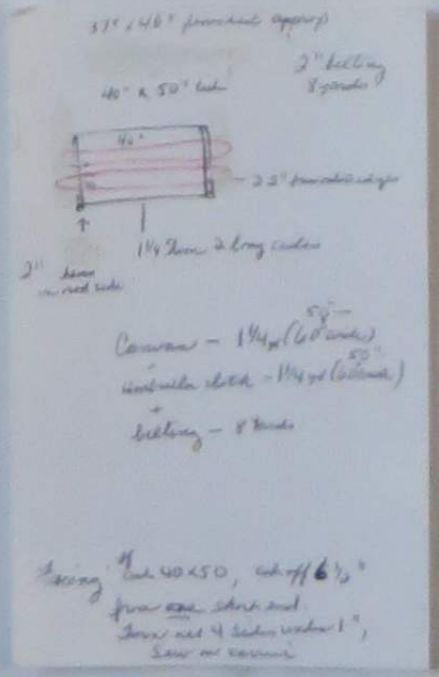
Twink,  
The 37" width will be good as well as the longer 46" length. Keep the handles spaced about evenly starting about 3 inches from the edges like the original ones but space about 10 inches apart instead of the 8 inches as shown on the drawing.

Twink Page 1 of 1

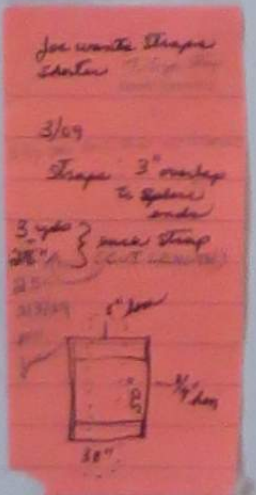
From: "Joe & Patsy Frannea" <franea@earthlink.net>  
To: "larrytwinkmonrad" <larrytwinkmonrad@earthlink.net>  
Subject: Re: cactus carrier

Twink,  
The size is good as you mentioned. The last 4 that you did we double layered fabric as some had different color fabric on the inside. Not sure this is necessary but does add some weight and probably strength. I did notice on one of them that some of the stitching had come out about 4 or 5 inches down from the ends. Maybe an extra cross stitch across the strap near the end or a few "X" stitches across the strap would help.  
Thanks again,  
Joe

36 x 46 finished approx  
Cut fabric 40" x 50"  
handles (25") 3" from ends  
10" apart, 1" from sides, 1" from bottom edge  
1 1/4" canvas (50"-60" wide)  
fold long side 1/4", then (sew side)  
2" down on end (short sides) (sew side)  
Cut conduit 33" long  
8 yards 2" poly belting (4' x 4')  
Place belting a sec 4' ends together  
Put on over whole shell then  
sew long edges first, then  
sew across each strap  
Put on rods sew ends shell



12/13/11  
60" x 46" finished approx  
50" x 48" finished  
12/13/2011  
at Joe & Patsy's home  
Strap handles 1/2" (sew end)  
Long way  
before long 40"  
then over 10" down ends  
50" after down  
shell on 40"  
1" down each end  
sew for 40" x 48"



4/07 4 carriers 40" x 50"  
10" apart, 1" from sides, 1" from bottom edge  
Canvas 40" length  
60" wide - folded  
2" down on end (short sides) (sew side)  
sew long edges first, then  
sew across each strap  
Put on rods sew ends shell