



Feb 90

CACTUS AND SUCCULENT SOCIETY

NEXT MEETING: The next meeting will be Feb. 25, 1990 at the Desert Botanical Gardens. The Board Meeting will be at Archer House beginning at 1 p.m. The general meeting will begin at 2 p.m. in Webster Auditorium. We have an exciting program lined up for the general meeting. Mr. Tom Jenkins, a nurseryman from England will give two talks, one on the "Cactus of Chile" and one on the "Succulents of Namibia". After these talks, we will have demonstrations on how to prepare your plants for the show.

JANUARY MEETING: The January meeting was held at Stan Jones' Carefree Cactus Gardens. The business meeting was short; J. Oravetz announced that we were in good financial condition, and the financial statement was available for view from any Officer or Board Member. Larry Fischer solicts pots from the membership (PREFERABLY cleaned) to be used by the Conservation Committee. After the short business meeting, we decended on Stan in a "feeding frenzy". Stan was gracious enough to open his private greenhouses and stock for sale to the members and extended a special discount for the day. He also had light refreshments available. For those who have missed meetings held at our commercial member's establishments, or the trips to the Tucson Growers, both are good opportunities to pick up plants and prices that are not normally available.

ILLNESS: We have learned that Skippy Burbick is confined to her home with a terminal illness. Skippy has been a good supporter of the Society and a dedicated cactophile. She is donating her collection to the Society in further support of our goals.

FUTURE PROGRAMS: Jim Elliot is looking at a possible trip to the Arboretum for the March meeting. Jim would also like to have inputs from the membership for desired programs. He would like to hear from you particularly on ideas for out-of-town trips, like maybe a "shop till you drop" trip to California.

SHOW: The show will be April 4, 5, and 6th. The show chairs are:

- | | |
|----------------------|-----------------|
| Chairmen | Henry Triesler |
| | Jim Elliott |
| Registration | Warner Dodd |
| Program & Categories | Mike Gallagher |
| Awards | Jim Oravetz |
| Judging | Ken Jantz |
| Set up & tear down | Marvin Williams |
| Publicity | Dottie O'Rourke |

The tentative schedule is Accept plants Wednesday Night; Judge Thursday morning, remove plants by Friday evening; winners to be returned for the Gardens Festival on Saturday and Sunday. We are checking to see if the winners could be left in Webster over Friday Evening. The committee is

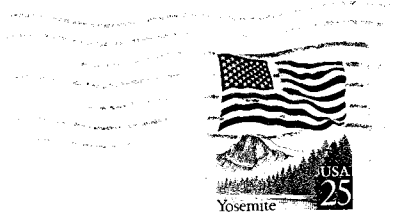
considering suggesting that the April meeting be held April 6th and be an awards meeting for the show. The show is open to members of the Central Arizona and Tucson Societies only. We will take memberships on Wednesday for those wishing to show who don't belong to one of the Societies.

It can't be emphasized too much that the future of shows in the Central Arizona area depends on the participation and support for this show. If you don't have plants to show, get in touch with the Chairpeople and volunteer to help them make the show a success.

Warm weather will be here soon. Wake up those sleeping beauties; pretty 'em up, and enter them into a truly non-sexist beauty contest.

NEW ADDRESS: Note that the mailing address for all the Society's correspondence is now:

Central Arizona Cactus and Succulent Society
P.O. Box 8832
Scottsdale, Az. 85252



Central Arizona Cactus & Succulent Society
P.O. Box 8832
Scottsdale, Az. 85252

Feb 1990

* * * * *
* F E B R U A R Y 1 9 9 0 *
*
* N E W S L E T T E R *
* * * * *

According to the Phoenix Economic Growth Corporation, it was reported that an annual Chamber of Commerce economic gathering predicted some economic bright spots. Key predictions made by economic leaders include:

- There will be continued improvements--in real terms--in retail sales as personal income grows.
- The employment base is expected to grow by 2.8 to 2.9 percent in 1990 and then get a boost from 4.1 percent growth in construction employment in 1991.
- The industrial real estate market is moving toward recovery as building activity moderates and absorption strengthens.

According to Grubb and Ellis, 58% of all Phoenix commercial real estate investment sales have been to Californians. Andrew Zimbaldi, president of Alden Equities Group in Newport Beach, California called the opportunities in Arizona "unparalleled". Zimbaldi says that there is tremendous underlying strength.

We are now seeing specks of optimism as the economy seems to be turning around with many new developments. Updates include:

- (1) A site on the southwest corner of 79th Avenue and Encanto Boulevard has been selected for construction of the Phoenix Performing Arts Amphitheater comprising 64 acres. Officials estimate Phoenix will earn \$100 million during the 60 year lease.
- (2) Circuit city, one of the nations top consumer electronics and appliance retailers, will open a 33,000 sq. ft. superstore this fall at Metrocenter.
- (3) A 1989 survey by Manpower indicates that 33% of metro Phoenix employers expect to increase their staffs during the final quarter of this year. They say that job prospects look best in the services, construction, and education sectors.
- (4) U.S. Tire/Empec Industries, Inc. has leased 43,000 sq. ft. at 2110 E. Raymond. The Los-Angeles based firm will use the facility for wholesale tire distribution.

- (5) Allied Color Industries, Inc. a Cleveland, Ohio based producer of custom formulated colorants for the plastics industry, has opened a new southwest regional office in Phoenix. The new regional office will expand Allied Color's sales, marketing and production capabilities in the southwest. The 10,000 sq. ft. laboratory is located at 4203 W. Adams. A laboratory and manufacturing unit began production of the firm's products last month.
- (6) Los Angeles based Security Pacific Corp. will relocate its credit card subsidiary to Tempe. The firm which began phasing in its operation in October, will create 600 new jobs by mid-1990. The new divisions will consolidate credit card processing operations for Security Pacific banks in six western states. According to Robert Matthews, chairman and chief executive officer of Security Pacific Bank of Arizona, the move is expected to have a multiple effect of creating 1600 additional jobs. Based on annual payroll dollars, the Arizona State Department of Commerce estimates the economic impact of this relocation to be \$32 million.
- (7) Sprint Services opened a 28,00 square foot regional operations center in Tempe at 1516 W. 17th Street. Sprint has hired 240 employees and will hire an additional 160 employees in 1990. The center provides assistance in providing person-to-person, collect, and credit card calls to customers dialing from US Sprint prescribed business, residential and pay phones.
- (8) Pulice Construction Inc. of Phoenix was recently awarded a \$13.3 million contract for infrastructure construction of SRP's Papago Park Center, a 9.5 million square foot commercial development. SRP will build its corporate headquarters on 40 acres within Papago Park Center.
- (9) During the first ten months of 1989, Phoenix Sky Harbor International Airport broke all of its previous yearly passenger records. A total of 17.2 million passengers passed through the airport inbound or outbound. Aviation officials early in 1989 predicted that Sky Harbor would handle approximately 17 million passengers by year end, but recently revised their prediction to indicate 20 million or more passengers.
- (10) Phoenix Sky Harbor air cargo is booming, which could be good news for the region's economy. During the first eight months of 1989, 69,419 tons of air cargo were handled by the airport according to figures by the Air Transport Association. This 12% increase from the first eight months of 1988 is primarily due to tourism and the distribution of national products.

- (11) DynaCorp Aerospace Operations of Ft. Worth, Texas, was recently awarded a defense contract worth \$85 million to maintain 200 jet trainers at Williams Air Force base in Mesa. The program will begin in February 1990 and is expected to employ an estimated 575 civilians.
- (12) McDonnell Douglas Helicopter Co. in Mesa, with sales valued at more than \$500 million through September, has received orders for 426 commercial and light military helicopters, including 113 orders for the 520N helicopter. The 520N is the worlds only production single rotor helicopter without a tail rotor.
- (13) Triumph Air Repair Inc., a newly formed company by Alco Standard Corp. and Tiernay Turbines, will occupy 48,500 square feet of space at 4010 S. 43rd Place in Phoenix. The company repairs and overhauls gasoline turbine engines for the commercial aircraft industry and currently employs 139 people.
- (14) Marriott Corp. has begun construction on an \$8 million, 155 room hotel at 20th Street and Camelback Road in Phoenix. The four story hotel is scheduled for completion this summer.
- (15) International Consumer Brands Inc. relocated from Los Angeles to Tempe. The Connecticut based company which manufactures cordless power tools, personal care products and security devices, is located at 2404 S. Wilson St. in the Broadway Industrial Park.
- (16) Phar-Mor, the nation's largest chain of company owned, discount drugstores, opened its Valley's first 65,000-square-foot store at Scottsdale Pavilions in Scottsdale. The store sells everything from health and beauty aides to groceries and auto supplies. Phar-Mor plans to open five other stores in the region.
- (17) Sanderson Ford, the ninth largest Ford dealer in the United States, recently began a substantial expansion and renovation project of its Glendale dealership at 5300 N. Grand Avenue. The main expansion will include 82 service bays which will be enclosed, air-conditioned, and equipped with the latest servicing equipment. Sanderson Ford will be adding approximately 350 employees to its work force. Construction is scheduled in June.

- (18) The "Super-Regional" mall is on track in the northwest valley. Arizona's first "super-regional" mall the first in the state with six anchor stores does not yet have an official name. The project will involve 800 acres and will cost \$400 million. The site is the best regional shopping center site in the Southwest. The power center will have 500,00 square feet of floor space and the community shopping center will have 230,000 square feet. The North Valley planning area, at 800 acres has four times Metrocenter's 200 acres.

What have we been doing to market your property? We have focused in on the California and European market. On January 22, 1990, we helped organize a conference held at the Phoenician Resort called "Europe, The Missing Market." Distinguished guests from Paris, Germany and London addressed issues such as market trends, the global economy and the business cultural differences. Some speakers felt that Arizona has too much emphasis on the Asian market and not enough focus on the European market. We have met with several executives and potential buyers from Europe. We are working towards attracting Eurodollars to our westside property.

In spite of the negative press and failures of some local businesses, we are focusing in on the new positive developments in Arizona. We are looking to out of state, and out of country buyers for your properties. They appear to be more qualified and more interested than the more cautious local potential buyers.

Sanford Goodkin, a nationally known real estate analyst from San Diego has the following remarks: "Phoenix can be a great hub city. With its proximity to Southern California, it presents a lot of opportunity." In a report to Great American Bank of San Diego, parent company of the Arizona institution of the same name, Goodkin makes the following points:

- Historically, the economy in Phoenix has been fueled by internal growth, not export industries.
- Phoenix has had a positive net in-migration (more people coming in than going out) since 1960.
- No U.S. metropolitan market with more than 1 million people has grown as fast as Phoenix in the 1980's.
- Phoenix's growth attributes-affordable land and buildings, sunshine, relatively low labor costs and proximity to major markets-will likely be in more demand.
- Arizona will grow faster by 2010 than any other state.

Thank you for making your payments promptly. We will continue to work diligently to sell your property.

Larry & Linda Bell

ARIOCARPUS PREPARATION by STAN

(Excerpted from videotapes produced by Mr. Stan Petersen of Shawnee Mission, Kansas)

INITIAL TREATMENTS

1. Before taking plants into the greenhouse!
Soak all plants for 10 minutes in insecticide and fungicide.
Burn the packing and the box.
2. Soak all plants a second time for 24 hours--noon to noon is most effective. Plants should gain about 10% in weight in this mixture of insecticide and fungicide. Mix chemicals as directed on the containers, add a fertilizer at half strength.
Remove the plants from the soak, place them upside down to dry for about two weeks. *
3. Problem plants (those adding more than 10% to their weight) go immediately into another soak cycle. Use different chemicals in this cycle and soak overnight for better absorption. Do not use fertilizer.

*all plants go directly into a fungicide solution while still wet from each soak cycle before setting out to dry.

CHEMICALS USED

- # Diazinon - destroys grubs, mites, and mealybugs.
 - Malathion - alternates with diazinon.
 - Pentac - excellent miticide.
 - Gnatrol - controls fungus and kills gnat larvae.
 - Captan - for root rot, scab, and mildew.
 - # Subdue 2E - kills all fungus.
 - Formec 80 - good fungus prevention, will not kill active fungus.
 - # Ivory liquid soap - One tablespoon per gallon. Used with every treatment as it dissolves waxy cover of mealybugs and scale. Makes other chemicals more effective.
- (#) these three make up the first soak.

STAN USES INSECTICIDE, FUNGICIDE, & IVORY SOAP WITH EVERY WATERING REGARDLESS OF OTHER ADDITIONS SUCH AS FERTILIZER, ETC.

Excerpts from Ariocarpus video, Stan Petersen.

Clay pots versus plastic pots. In equal conditions the plastic formed excellent root systems, clay pots not only did not form good roots they actually caused existing roots to die. Green pots maintained cooler temperatures than did black pots.

(editorial comment by Jim Elliott: remember that Mr. Petersen's experience is greenhouse growing in Kansas where humidities run from 70% to 95%. You must do your own thinking based on your soils, watering schedules, and experience. These notes are designed to give you hints, suggestions, and a logical place to start based on a very successful grower's generous sharing of his techniques.)

Watering is done whenever the plants approach dryness, sometimes as often as weekly inside the greenhouse. Adjust to seasons, let plants over-winter dry or with very little water. Stan recommends having an empty (unplanted) pot with your standard soil mix among your collection so you can check the dampness. ALWAYS ADD FUNGICIDE.

His fertilizer of choice is Peters 15-16-70. Desired ph of 6.7

SOIL MIX

- ½ Pumice
 - ¼ Potting soil
 - ½ Granite, coarse grit about ½ pea size.
- NO SAND.

This soil^{*} is all mixed unsifted, keep the fine materials.

When using pumice as a topping, sift through a collander (sieve) to remove fine particles. Then, do not allow any damaged or treated part of the plant to touch the soil--use the sifted pumice to support the plant body and assure maximum drying.

Cleaning the plants. Two goals are to assure the plant lives by growing a substantial root system and to attain an attractive plant for show purposes. Extremely simplified: GET THE DEAD OUT. Mr. Petersen uses many tools and techniques including radical surgery, filling large holes with cement, etc., etc. Whatever tool he is using is cleaned with alcohol/fungicide before each use and between every plant. He emphasizes the importance of good housekeeping--keep your work areas clean and sanitize with alcohol and fungicide. 10% Subdue and 90% alcohol in spray bottle.

Save the trimmings (leaves) as that is where the seeds are found in ariocarpus. In the wool for retusus, furfuraceus, trigona. Inside the leaves themselves for fissureatus.

TOOLS USED: xacto knives, baby nose cleaner to puff fungicide on all cuts, sieve, hemastat to pull out dead material, facemask for personal protection from chemicals, various size brushes to clean up plant bodies, spray bottle, fishhook remover for cleaning and gripping plants, small scale to weigh plants.

** remember to add a little moisture - do not plant completely dry.*

Excerpts from Ariocarpus video, Stan Petersen.

SPECIES IDENTIFICATION.

1. *Ariocarpus trigonus*. Long slender tubercles, sharply triangular, upcurving with keels. No wool at tips. Flower is yellow. Lots of variations. Basic greenish color.
2. *Ariocarpus retusus*. Extremely variable. Long tubercles, short tubercles, everything inbetween. Flower is white. Tubercles are triangular, basically flat on top and quite smooth. Lots of wool between tubercles, not on tips.
3. *Ariocarpus furfuraceus*. Very similar in most respects to *retusus*. Does have tubercles that are round in cross-section and have wool at tips. Texture of skin is rough, not smooth as in *retusus*. Flower will be white. Many forms with variability in tubercle width, etc.
4. *Ariocarpus fissuratus*. Species is basically flattened at top. Gets name from deep fissures at edges of tubercles, not from the deep center cleft of each tubercle. Flower is pink, blooms in fall. Only species native to USA (Texas). Rather greenish overall color. Plant in good shape has lots of wool.

variety *lloydii*. Tubercles are quite rounded on top, not flattened as in species. Color is much grayer. The distinctive fissures are normally missing and the ends of tubercles are rounded, not pointed as *fissuratus*. From the sideview this plant is domed up.

5. *Ariocarpus kotschoubeyanus*. Very different. Plant is extremely flattened. Can have much variability in number and relative size of tubercles. Most of the plant is buried in habitat. Tubercles are triangular, overlap closely, *short*, and have lots of felt at their bases in addition to a wool-filled central groove. Pink blooms.
6. *Ariocarpus agavoides*. Rarely available. Extremely different in appearance from any other member of the genus. Very few tubercles. Dark green in color with wool ^{or} and wispy thread-like spines at the tips. Tubercles are upright and very narrow, semi-circular in cross-section. Looks more like an aberrant *leuchtenbergia principis* than an *ariocarpus*.
7. *Ariocarpus scaphrostrus*. So rare I may have misspelled it. Chunky upright tubercles in dark green. No wool at tips. Tubercles are heavily keeled and basically smooth. Dark pink flowered.

NOTES PREPARED FOR CENTAL ARIZONA CACTUS AND SUCCULENT CLUB
MEETING ON AUGUST 25, 1991, by Jim Elliott. Program chairman.