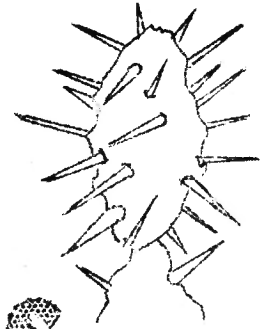


ESPINAS

FLORES



Jul-Aug 1967

Publication of the San Diego Cactus and Succulent Society

SEPT. CACTIVITY

is exactly what we intend to do, except we are going to get the jump on the kids by a couple of weeks. Class will be Saturday, Sept. 2nd. Teacher will be Bob Taylor. It probably will turn out to be a "Graft Workshop with Sticker Groups". We think it may be a "barrel of fun" like the sign said at the fair.

A GRAFT WORKSHOP, what would be more appropriate after summer vacation than to start classes again? That

NOW HEAR THIS!!! This effort must be organized and systematized. We're going to learn grafting--not protesting. There's a difference--graft like in the Cactus Club, not like in government. Protestors will sit on the front row and hold the stickers. No place for placards, maybe tweezers. All students will be volunteers; no drafting--just grafting. No draft cards, but you must register. Graftees will be lined up at a work bench in the front of the room in groups in the order in which applications are received. We may have to place a limit on the number of groups; doesn't the law limit classes to 35?

You may select your type or graft. You may bring your grafting materials--stock and scion. You may come just with the urge and use materials which will be supplied by Bob Taylor--at a small price of course. The Treasurer will handle these details, if we can keep him away from the grafting table. At any rate your credit will be good until the end of the day, or you may get a loan on your product, depending upon what the viewers think of your art or how soft your touch. You may wear gloves and use bar-B-Q tongs if you wish to operate at a respectful distance; many alternatives are open to you, but remember one thing, watch your language. No one wants to wear gloves and ear plugs too.

AUGUST MEETING

Saturday Aug. 5th, 2pm
Floral Assoc. Building
Balboa Park

FAIR POST MORTEM

Slides & Chit Chat
Roundtable on next years Plans

Exchange Table

Plant Sale Table

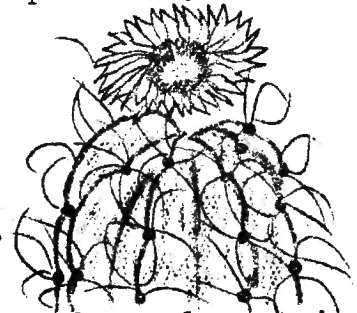
Graftees will be asked to bring their "efforts" back to a club meeting in a year at which time results will be observed and maybe rated. Maybe a ribbon or a reward may be offered by the Club, or an "E" for best effort

The next step is up to you. If you wish to take part in one of the graft groups at the September meeting call me, Walter Scott-296-6022. You must register for the grafting. Call soon or see me at the next meeting.

PLANT OF THE MONTH

In the desert at night the stars look so close that a person might reach up and take a handful for his very own. This is especially true in the high plains of northern Mexico, where even during the day one can gather a handful of stars, "Star Cactus", that is. *ASTROPHYTUM* is a small genus of Cacti native to the state of Coahuila and surrounding areas in northern Mexico; the name *Astrophytum* (astro-phy-tum) is from Aster meaning star and Phytion for plant which refers to the shape, as well as, the star-like scales on the outer skin of the plant. Originally described in 1839, it has been a most popular genus for house and garden plants ever since. The group includes the species *myriostigma*- "Bishop's Cap", *asterias*- "Sand Dollar", *ornatum*- "Star Cactus", and the plant of the month *capricorne*.

The specific name is derived from the Latin *capra* (goat) and *cornu* (horn) and eludes to the shape of its long, flattened, curled, ribbon-like spines. The plant is at first globular, later slightly elongated to 4 to 8 inches in height and about 4 inches thick. It has 8 acute deep ribs, light green in color studded with star-like scales. Large brownish woolly areoles are formed along the crest of the ribs at 1 inch intervals from which a variable number of 1 to 4 inch long ash colored angular, twisted, recurving paper-like spines are borne. The flower appears from the areoles near the top of the plant periodically during the Summer. The color is glossy lemon yellow with an orange red throat, and attains a spread of 3 inches across. The stigma is yellow and has 7 to 10 lobes. The bloom remains for 3 or 4 days, opening and closing each day. Occasionally the outer petals will be reddish in color and spiny tipped.



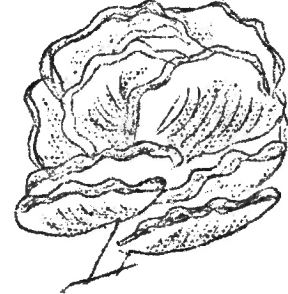
There are five varieties of *capricorne*; *majus* (often called *crassispinum*) which is a larger plant in all its parts, spines recurved mostly upwards, and flower is yellow without reddish center; *niverium* (a new variety) is quite similar in general appearance to *majus* with the body entirely covered with snowy white scales; *minus* is a smaller plant from 4 to 5 inches high, 1½ to 2 inches thick, spines are more numerous, but shorter and twisted in all directions and blackish in color; *senile* attains a height of 15 inches and 6 inches in diameter, with sparse covering of scales, spines are cylindrical and twist wildly; *aureum* is like *senile* except it has more scales and the young areoles are yellow passing to grey with age.

All species require porous sandy soils with about 25% organic matter; their natural soils are rich in lime, so a dash or two wouldn't hurt a bit. Keep them on the dry side in Winter, but full sun with frequent watering in the Summer is deeply appreciated. They are extremely resistant to adverse conditions and relatively easy to cultivate. Because they very rarely produce offsets, they are raised almost exclusively by seed or by importation from their native habitat. *Astrophytum* is an excellent scion for grafting on *Trichocereus spachianus* and *Lemaireocereus marginatus* stock.

COTYLEDON UNDULATA (coty-le-don un-du-la-ta) "Silver Crown" is one of 30 species of *Cotyledon*, all native to South Africa with the exception of *C. barbeyi* which occurs in Abyssinia and southern Arabia. *Cotyledon* comes from *kotyle* meaning cavity and refers to the cuplike leaves of many of the species. *Undulata* has reference to the undulating or wavy margins of the leaf.

(con't next page)

PLANT OF THE MONTH (con't) *C. undulata* is a strong growing, bold appearing sub-shrub attaining a height of 1 to 2 feet; oval fleshy leaves liken to an open fan are closely crowded on stout stems. They are bluish green in color with a powdery white coating; the margins are wavy and tinged slightly red. Leaves are opposite, pointed upwards, and are 3 to 4 inches long, 2 inches in width. This beautiful species has clusters of pendent bell shaped flowers about 1 inch long, which are produced on long stalks rising from the center of the plant. Flower color is creamy orange with red stripes. As do most Cotyledons, it comes readily from cuttings and seed. Culture is much the same as Echeverias; rich well drained soil, however, more sun will aid the color and keep leaves more tightly compact. To keep the floury coating, avoid extensive overhead watering. A well grown specimen of *C. undulata* will be one of the most exquisite in a collection.



SOMETHING YOU SHOULD KNOW

The word marihuana (marijuana) is a colloquialism of Mexican-Indian origin which has been adopted to designate all parts of the hemp plant. (editor's note: another modern day colloquialism, the "Flower Child" calls it the "Big Flower".)

BOTANICALLY known as *Cannabis sativa* L., the hemp plant is an annual, growing each year from the seed. Height: 3 to 16 feet according to climate. Leaves: compound. Each of the larger ones consist of 5 to 11 separate leaflets, generally 7. Each leaflet is hair covered, serrated (with notched edges) and veined. In color the upper side is deep green and the lower side lighter green. NARCOTIC PRINCIPLE of the plant: Cannabin. STATUTORY TERM in the United States: Marihuana.

Hemp was originally grown in ancient China. Later its culture spread to Persia and India, and now it is found growing wild, or in cultivation, in almost every continent. Its greatest economic value is in the strong fiber from which rope, twine and other textiles are made, and in the seeds from which is extracted oil which serves as a substitute for linseed oil. The seed is also used as food for canary birds. Another purpose for which marihuana is grown, is for its dangerous resin (cannabin) a narcotic substance ranking with other deadly drugs in its power to enslave its users and cause them to perform acts of violence. History records this narcotic use of marihuana since before the Christian era, but it has become widespread only during comparatively recent years. Among the people of Asia, marihuana was known for centuries as hashish, and the Arabic word hashishin, meaning hempeater, is the word from which we get the English word assassin, meaning secret murderer.

In the United States improper use of marihuana consists principally in smoking cigarettes, sometimes called "reefers" or "muggles" made from the resinous flowering tops and crushed portions of the plant. The action of marihuana when taken into the system through smoking or by any other means, is to retard the normal functioning of the mind, thus affecting the control of physical activity. In so-called "moderate" doses it may produce narcotic effects varying from mild intoxication to complete unconsciousness.

The toxic effects seem to act on the higher nerve centers exclusively. Some authorities say that marihuana out ranks any other drug in its ability to remove the moral inhibitions of the user. One reason why it is wise for young people to avoid smoking cigarettes is

(con't next page)

MARIHUANA (con't)

easy to press marihuana cigarettes on boys and girls who smoke, and who may think it smart to try something with an extra "kick" in it.



because the drug peddler finds it is easy to press marihuana cigarettes on boys and girls who smoke, and who may think it smart to try something with an extra "kick" in it. Realizing the danger in having marihuana accessible to criminals and their unfortunate victims, the League of Nations added marihuana to the list of narcotics requiring increasing supervision. It is now included in the International Treaty agreements in the Geneva Convention of 1925.

Until its use became evident in crime, very little was known in the United States about marihuana. Gradually however, much evidence proved the mental and moral degradation caused by its use. Public opinion finally became alert to the magnitude of this latest narcotic menace, and Congress passed Federal marihuana legislation, effective October 1, 1937, enabling the United States to comply with International Treaty obligations, and also to attack the problem from production down through wholesale distribution, peddling, and possession of marihuana cigarettes. To further control the traffic in narcotic drugs and maintain discipline aboard ships, Congress passed a law, approved July 11, 1941, which imposes penalties upon those smuggling any narcotic drug or marihuana. Although it was once considered of some value in medicine, the narcotic principle in *Canabis sativa* has been proved unsafe and unpredictable, and the drug is no longer listed in the Pharmacopoeia of the United States.

If you see it anywhere, be sure to report it to the nearest police station. The law applies to all persons who import, manufacture, produce, compound, sell, deal in, prescribe, administer, or give away marihuana. Any person convicted of a violation of any provision of this act may be subject to a fine of not more than \$2,000 or imprisonment for not more than 5 years, or both, in the discretion of the court. Every state has some form of legislation covering production and use of marihuana. What can be done? These laws can be enforced only through informed and militant public opinion. (reprint-Signal Press)

VITALOGY

Gloom is a foe to Health. There is no greater foe to health when well or to recovery when sick, than gloom and despondency. When a man gives up his chances of recovery are slight if he be troubled with a serious disease, while he who fights the disease and "knows" he will get well stands an excellent chance of recovering. But gloom and despondency can be driven away by an effort of the will at almost any time. It is not easy to forget, but it is always comparatively easy to substitute some new thought for a time, which will be equivalent to forgetting.

When gloom presses down upon the heart, or one's courage is oozing out, he should betake himself to some book of jokes or pleasantries that will excite his risibles in spite of him, if he will but continue to read it for a little time. In the absence of a book of that nature, if he will but fix his mind and memory upon the funniest thing that ever happened to him in his life, he will soon find his heart rise and his blood course more swiftly through his veins. (Wood & Ruddock, M.D.)

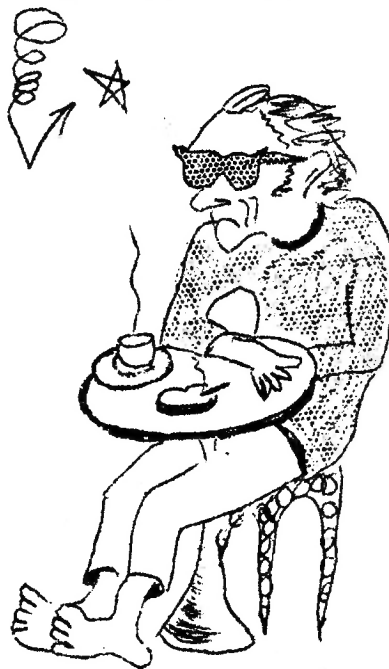


Well here we are back at ye ole hot writing bench after a brief respite with Fair activities...and what do you know it's Summer already... feeling a little like we've been on a psychedelic "trip", with head swirling and eyes not yet in focus...we wait with eagerness for the clarity of the morning, when we once again can enjoy the Summer Sky..."There is beauty in a summer sky--the dome of Heaven, stretching high; in the sun that laughs the night away, and blesses the world with a new-born day. In the clouds, whose patterns rearranging, resemble life--elusive changing, and in majestic stars whose light, studs the velvet blue of night;

for we glimpse, Infinity hovering nigh, in the beauty of a summer sky."

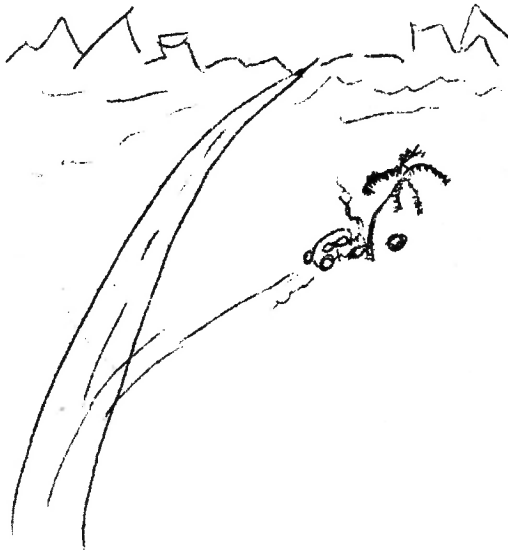
Bye the bye, were you at the Fair??? WALT GREENWOOD was and has a hole in his thumb to prove it...hole in the wallet too...but it takes more than a thumb to make a garden...Speaking of holes...the Scotch cooler in BOB FLETCHER's Rambler was like a bottomless pit...only the trashman complained...Mr. Hill's brother Folger got a good workout dancing to the tune of EVE & HARRY WARN's 22 cup percolator...altogether we used 479 officially numbered plants, 18 pounds of coffee, 11½ band-aids, 9 pencils, 6 aspirin, 4 shovels, 2 bottles of ink, and 1 toothpick (for keeping one eye open on the long trips home)..to say nothing about the myriad of expendible background and cover plant material... we were informed that "2,481" of these went into the Outdoor Living display...AS WE SHUDDERED...RUTH NELSON wiped her dripping brow with a slightly blistered hand...but the succulent border was beautiful.

RUTH "Eagle-eye" CUZNER, who plowed through the pages of Exotica, Haage, Jacobsen, etc, etc, looking for the names of likely facsimiles, wanted to know how Plectractus australis, "Creeping Charlie" got its nickname...after "Little Scotty" finished desposing of the liquid contents of a few random "tea cups" in our specimen's container.. would you believe-"Pickled Plant" or "Breath of Heaven"/// It was a thrilling thing to behold, watching GRANT STANDLEY preform his Indian Rubberman act while planting plants behind the plants he had just planted between the plants he was standing on..."DOC" says the way to keep in training for such a fete is to daily tie your shoe laces while doing a deep back-bend and balancing a hot cup of coffee on your navel...



Each year during the naming of plants a new and otherwise unknown species appears on the ledger...this year was no exception...Palomar came came up with a "peach"...while KATIE MC REYNOLDS was recording the various Cacti specimens, she was heard to refer to an apparently new species *Good Morning, Sun, Baby* of Opuntia as "Thatdamnthing"...a quick check of the existing reference material bore us out...so we promptly filed for a listing on the new
(con't next page)

CACTUS SQUEEZIN'S (con't) variety...Botanically: Opuntia mc reynoldsii; Common Name: "Thatdamnthing"; Pad color placid green to raging-red; flowers deep Crimson; pad color changes rapidly and flowers appear and blossom almost instantaneously when plant is disturbed or enraged. Type locality: Del Mar Fair; Distribution: annually...BOB TAYLOR and the



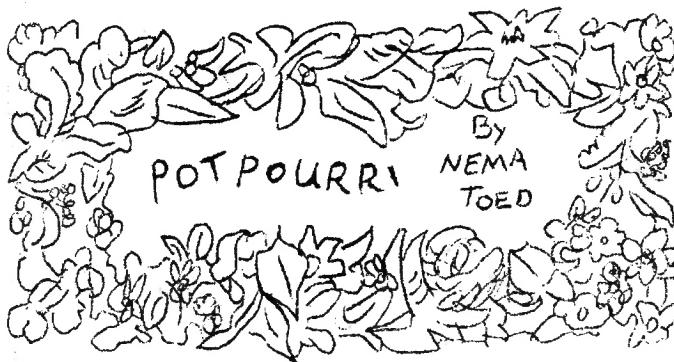
Man for Seaborn's diligently checked out another possible new species for us...it had been collected in the beach area...was it a new plant brought back from the moon by one of our satellites which had crashed into the waters off our coast on its return...was it a natural hybrid dislodged from the depths of the sub-Mariner Desert during a recent storm, or was it only a Sea Urchin??? Moon Cactus, baby...keep the faith...

The smile of contentment passed with a flash of blue...the lights went dim...then dimmer...then out...the clock on the wall read 11:30...an electrician appeared with two men bearing shovels...three very tired people, who had just put the finishing touches to the outdoor living booth, were informed that the front section of the exhibit had to

SOME GUYS ARE JUST ACCIDENT PRONE be excavated in order to find a wiring problem, "obviously" caused by our chief 'lectrician...whose name was abusively used in vain...three succulent beds, a yard of dirt, and an hour later the "obvious" wiring problem was found...someone in the next booth had inadvertently shoveled a spade into the main cable...the effigies of the innocent were taken down and order was restored to the prize winning attraction...our apologies, KIM, for any loss of sleep you might have encountered due to any strong "ESP" vibrations that night...many of our lovely ladies came out in the very latest and very fashionable in work clothes...PEARL SULLIVAN's pink Italian silk capris with matching hand embroidered jacket by Pierre Balmain, brightened the Cactus booth most considerably, along with a stunning IONE HUBNER in a black chiffon and ostrich feather mini-shift with vivid chartreuse green Slim-Jims by Levi...tis a shame the cool weather didn't permit any yellow short-shorts this year...as it is time to change the dressing on our wounded extremities, let us in parting say-"One thorn of experience is worth a whole wilderness of warning." -- A. Phidd

(P.S. and many thanks to you too, Charlie Cutworm...)

Dear Nema; Hats off for "Fair Special" - How thoughtful of you to have gathered the information and made it available! Appreciated your printing of "Look to this day"; here is another -- "Slow Me Down"



Slow me down, Lord!
Ease the pounding of my heart by quieting my mind.
Steady my hurried pace with the vision of the eternal reach of time.
Give me the calmness of the everlasting hills.
Break the tension of my nerves and muscles with the soothing music of singing streams.

(con't next page)

POTPOURRI (con't)

Help me to know the magic restoring
power of sleep.

Teach me the art of taking minute vacations, of slowing down to look at
flower, to chat with a friend, to read from a good book, to pat a dog.
Remind me of the hare and the tortoise, that I may know that the race
is not always to the swift; that there is more to life than increa-
sing its speed.

Let me look upward to the towering oak and know that it grew slowly
and well.

Slow me down, Lord!

and send my roots deep into the soil of life's enduring values that
I may grow toward the stars. -anonymous- Thanks, Emily Park

30 YEARS OF COLD, WET WEATHER AHEAD? A noted geologist predicts the
weather is going to become colder and wetter during the next 30 years
over large areas of the earth. Professor Maynard Miller of Michigan
State University, who has made a special study of glaciers and their
effect on climate, says that Alaska's ice masses advance and retreat
in cycles related to sunspot activity. Powerful discharges of energy
from the sun at such times are believed to influence world weather.
Since 1915, solar activity has risen to very high levels, but Prof.
Miller expects it to diminish in the next 30 to 45 years, switching the
weather tendency from "warm and dry" to "cold and wet"-(Organic World)

"THE LIGHT IN THE WORLD comes principally from two sources-the sun
and the student's lamp".....

Bill & Ruth Nelson have (free for the hauling) a piece of heavy
plate glass..size 6 by 18 inches..great for a small cold frame; also
a quantity of 4 inch tile, ideal for Patio table tops and things....

Speaking of Nelsons...the BOB NELSON's recently had a baby girl..
our congratulations..even though a bit belated....

"The most important thing a father can do for his children is to
love their mother." - Rev. Hesburgh

SEEDS OF WILD AND UNFAMILIAR PLANTS might be developed as new sour-
ces of food protein for people around the world. C.H. VanEtten, USDA
chemist, reports that since 1957, ARS botanists have conducted a compre-
hensive search for seeds that have potential as protein for human diets.
The important factor they are searching for are the 8 essential amino
acids--building blocks of protein--required by man. No one plant seed
so far discovered has all 8, but a combination from among the 379 spe-
cies of seeds being tested could provide them. (Organic World)

"When the best things are not possible, the best may be made of
those that are"

DON'T FORGET.....Palomar Cactus & Succulent Society meets every
third Saturday at Palomar College in San Marcos...follow the signs..
The Gates Memorial Society meets on the 1st Wednesday evening each
month at 16680 Orange, Bloomington...a suburb of Riverside..get a group!

"YOU CAN'T WIN..If a man's after money, he's money-mad. If he keeps
it, he's a capitalist. If he spends it, he's a playboy. If he doesn't
get it, he's a ne'er-do-well; If he doesn't try to get it, he lacks am-
bition. If he gets it without working for it, he's a parasite. And if
he accumulates it after a lifetime of hard work, people call him a fool
who never got anything out of life!".....Nema Toed