

Hot Days Make Gardens a Reason for Sincere Rejoicing

TREE PLANTING EXACTING TASK

Care Necessary to Insure Roots of Good Start for Growth

In planting trees the hole should be dug considerably larger than the spread of the roots and deep enough to allow a goodly amount of loose soil to be left in the bottom before the tree is planted. As the soil is removed, the topsoil should be placed in a pile separate from the subsoil. Any fertilizer that is to be used can be mixed thoroughly with the soil or covered in the hole in such a way that it will not come in direct contact with the roots of the plants.

If the subsoil is very hard and heavy it should be broken up. Frequently it is thought that if the hard soil taken out is not used and good soil substituted, the tree will have a better chance, but this is not always the case. Water will easily penetrate all loose soil, and falling to escape, will settle around the tree, often causing it to die. Thus, it is best to provide drainage by breaking up the hole and if drainage is provided, only an amount of good soil can be used to fill the hole if it seems desirable.

The trees should be pruned. In removing broken or diseased parts of the roots, the cut should be clean and sharp. The surface will be toward the bottom of the hole. This insures a more ready contact between the root end and the soil, thus providing a better water supply and better chances for an early and quick growth of new roots.

In planting the tree, cover the bottom of the hole with a layer of loose subsoil in which manure or fertilizer has been thoroughly mixed. Place the tree in the hole spreading the roots out naturally, and cover well with loose soil. The soil can be worked in about the roots by shaking the tree up and down and by working a stick the size of a broom handle in among the roots as the soil is thrown in. After the roots are covered with soil, the ground should be firmed about them by packing the ground with the feet.

When the soil thrown in about the roots is not fine enough to prevent the formation of little air pockets, a good soaking will be of great help. The water will wash loose soil particles into these voids and around the roots. Soaking or puddling the ground about trees is also beneficial when the tree is planted later in the season after the buds have started to swell. The puddling will do the same work that the tree being planted has done in the past.

In filling the hole, the dirt should not be left heaped about the tree in a mound that will shed water. If there is sod about the tree, the hole should be left at a level below the sod.

Modern fertilizers are high powered and quick acting. They supply to plants the needed food most needed. This has been shown by experiment to be in the beginning of their growth and at the time of flowering.

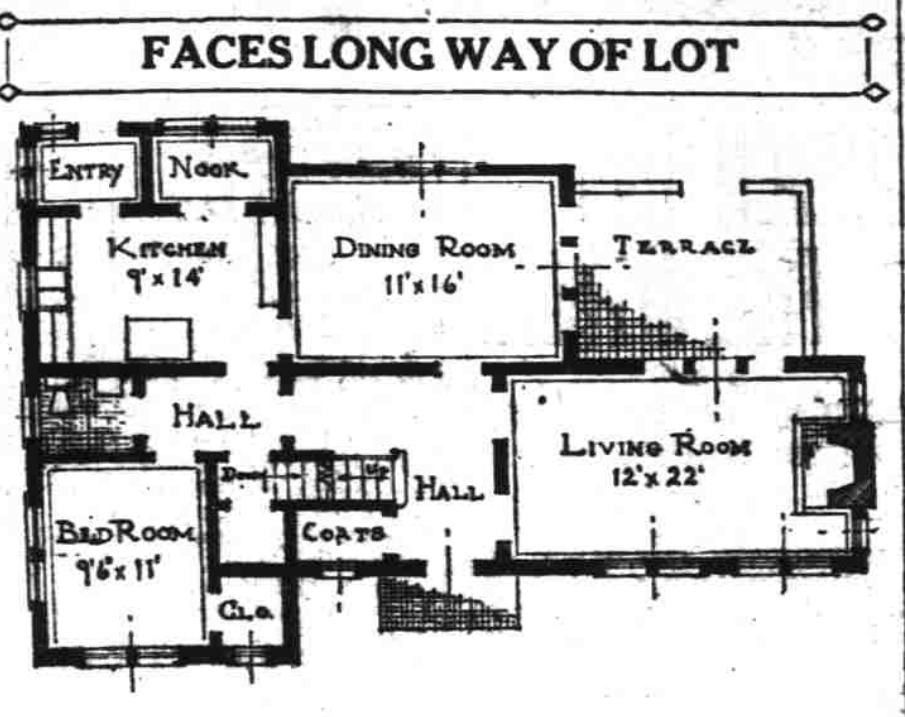
The principal food elements needed by flowers are the same as with other plants, being nitrogen, phosphorus and potash. Phosphorus is especially important in growing most flowers because of its influence upon stem growth. We want flowers to have long and stiff stems, as a rule, and the phosphorus content of a fertilizer mixture contributes to this end.

But with flowers as with all plants, a balanced ration is needed. It has been found that where one element alone is fed to plants overfeeding and reduced effect is quickly possible. But where a balanced ration is fed containing all three food elements, the plants can assimilate a much larger quantity of food and show much greater effect.

It is seldom worth while for the amateur grower to use special mixtures for different plants or classes of plants. One of the standard preparations, containing a good proportion of all three principal plant foods, nitrogen, phosphorus and potash, will be found satisfactory for all-around use. Where perennials are grown, applications of bone-meal in the autumn will give an extra supply of phosphorus with good effect. This is especially desirable with peonies, irises, and delphiniums. With annuals the quickly soluble fertilizer of balanced formula will give wonderful results when it is applied with care according to directions.

Specific directions should always be insisted upon and followed in using modern fertilizers. They are high powered and are intended to be much diluted before reaching the plants. It will usually be safe to apply 4 pounds of 100 square feet in the very early spring; and an additional application of 2 pounds per 100 square feet when flowers begin to appear. Heavy feeding perennials, growing very large, should have two or three such feedings following the initial application.

BABY DEEP CLUBS INCREASE
AMES, Iowa (AP)—Enrollment in baby deer 4-H clubs in Iowa this year totaled 1,865 as compared with 1,706 in 1935. The enrollment embraces 86 counties and 2,8339 head of beef calves on foot.



FIRST FLOOR PLAN
Specially drawn for Statesman building page by Lyle P. Bartholomew, architect, United States National bank building, Salem.

Where one wants his house to face the long way of the lot it is well to have the long axis of the house run that same direction. This is accomplished in this floor plan, the projection of the living room accentuating the effect of length of the house. Where the lot is narrow this treatment is quite practical.

The first floor plan provides for living room, dining room, kitchen, nook, lavatory, and one bedroom. Upstairs there is space for two or three bedrooms and bath. A terrace in the rear opens off the living room and dining room.

The room dimensions are generous for the small house: 12x22 for the living room and 11x16 for the dining room. A spacious fireplace is set in the end of the living room. Depending on the finish and material this house would cost from \$4550 to \$7000 to construct.

Places We Ought Not to See

Editor of the Statesman: Having become enthused by your popular column in the Sunday Statesman, "Places to Visit Today," by contrast it occurs to me that by way of balance, we might take note of some places that are not beautiful. In fact they would appear any idea that there is a "Salem Beautiful."

Many places crowd themselves before me, beckoning recognition in this regard but today I mention a block and a half strictly in the midst of Salem. I suppose that the stately First National bank building in not far from the center of Salem's life. Walk south down Liberty street on the west side of the street. Soon we come to an empty store room with large windows and space plastered with posters, dingy with time, advertising a circus for May 24. The next two store rooms are also vacant, one having a restaurant which still valiantly advertises that "We never close."

These rooms have a marquette

NEW RESIDENCE IS NEARLY COMPLETED

MILL CITY, July 12.—The modern new six-room residence of Mr. and Mrs. Delbert Jenkins is rapidly nearing completion. The house is modern in every way and will be occupied by the Jenkins family as soon as it is completed. Mr. Jenkins is employed at Camp 26 of the Hammond Lumber company.

MILLS OPERATING AT SLOW SCHEDULE

SEATTLE, Wash.—A total of 245 mills in the Douglas fir region of Oregon, Washington and British Columbia operated at 58.65 per cent of capacity during the week ending June 28, according to the weekly report of the West Coast Lumbermen's association. Production of the 245 mills for this week totaled 166,295,189 feet, as compared to an output of 167,922,613 feet or 56.20 per cent reported by 244 mills for the previous week. Production reported for the first 26 weeks of 1936 by the 245 mills was 20.6 per cent below their cut during the comparable period of 1935. Production has declined steadily since the week ending May 28 when it was approximately 95 per cent of capacity.

Orders reported by 216 mills during the week ending June 23 were 14.5 per cent under production, which parallels the seasonal decline which normally occurs at this time of the year.

Orders reported by 183 identical mills were 22.0 per cent below those received by the same mills during the first 26 weeks of 1935.

WEINER ROAST IS MACLEAY AFFAIR

MACLEAY, July 12.—A weiner roast was given at the home of Mr. and Mrs. Fernon T. Nash Wednesday evening. Those present were Juanita Nash, Margaret Folk, Kathleen Engle, Nickie Swickard, Walter Risk, Emily Folk, Xavier Wolf, Clarence Moller, Delbert Folk, Verda Nash, Dorel B. Anchar, Venita La Branch, Lucille Moisan, Ervin Bartels, Grace Coover, Bernard Nash, Merial Mooma, Edwin Coover, Regina Stitt, Lorraine Nash, George Coover, Verina Koeler and brother.

Ed Tucker is grading the road, which is between the Macleay school house and the pavement. Mr. and Mrs. Leonard S. Heckler and children, Leonard Jr., and Clifford, also Mrs. Thomas Purley of Salem, were the guests of Mrs. Carl Bruck and family Friday evening.

Cherry picking is completed on the W. L. Staley place.

OVERCOME BY HEAT
MINNEAPOLIS, July 11.—(AP)—Ten persons, including three women, were overcome by the intense heat as they followed the play at the national open golf tournament here.

MADONNA LILY IS ALWAYS FAVORITE

Found Mostly Where Space Is Ample; Blooms of Unusual Beauty

By LILLIE M. MAGER
RICKEY—One of the most widely known and also more beautiful lilies is the tall, stately madonna lily, or lillium candidum.

Though perhaps not seen as frequently as formerly in city gardens where space needed for newer varieties there is hardly a farm garden or garden of old-fashioned flowers but has its clump, and many gardens liberal plantings of the old favorite that gives so much beauty in return for just being put in the ground and left alone.

We have the Easter lily for Easter and the madonna lily blooms close to Children's day and for ages has been the emblem of purity the children could easily claim it as their special lily.

The foliage of the madonna lily is far from beautiful at blooming time as it is usually turning yellow, but if it is placed among tall flowers like delphinium, which will hide the ugly stalk, so that only the pure white blossom is seen there is nothing to mar the beauty of the picture, and one appreciates the beauty of the madonna lily much more.

If more color is wanted, bright colored poppies can be planted among the lilies. This combination was seen in an old-fashioned garden and was very pretty.

The madonna was one of the commonest garden flowers of olden times and has appeared in poems since Homer's time.

According to Hehn it was brought to Greece from the east, by way of Phrygia, Thrace and Macedonia. Mythologically the white lily was fabled to have sprung from the milk of Hera.

When we think of the lilies of the old testament we naturally think of white lilies but authorities tell us that if the allusion is to the color of the lips of the lily then it is a colored lily of which we speak, but if we refer to the fragrance then we must think of the white lily which would without doubt be the madonna lily.

Lilies were used in ornaments and as a cure for snake bite in ancient times and as the madonna lily is one of the oldest in cultivation it was probably used as such.

The madonna lily like most all lilies needs well drained soil and should be planted about two inches deep. The best time for replanting is shortly after the blossoms have faded. They will bloom if moved in the spring but the stems will be much shorter and the blossoms much smaller than if moved shortly after blooming.

With careful pollination, seeds may be produced, the plants from which, will sometimes have blooms the second year, but the madonna lily does not produce seeds as freely as some other varieties of lilies.

Reproduction may be obtained by cutting up the bulbs and by putting the stalks and covering the lower 12 to 18 inches with soil. Young bulbs will form along the stalks, which can be set out the next year.

This method has been used by the writer with marked success. Another method of reproduction which it would be interesting to try is to dig the bulbs just after the blooming, scale them, and plant about two inches deep in good soil in a well drained bed.

FAIRYLAND IS FOUND

Mere Mortal Finds it Not Far From Salem

By M. L. C.
—Just the other day (that is the 1936 term for "once upon a time") a Mere Mortal and a Fairy set out to enjoy a carefree journey.

Said the Fairy "Let us find a place where the cinders never go, where there is no noise of whistles and machinery, a place so beautiful that it will make us forget the world."

"It there such a place?" asked M. M. doubtfully.

"Oh, yes," said Fairy. "Follow me."

She led the way straight out State street and continued on east from Salem. When they had travelled nearly eight miles Fairy pointed to a huge tree that spread its branches across a green lawn. Back of the tree was a cream colored house that looked like home.

"Under that tree" said Fairy "is Magic Spring and just below Magic Spring is Mirror Pool."

"Why this," said Mere Mortal, "is the home of Mr. and Mrs. Frank M. Doerfler."

"That is what you call it. We call it the Enchanted Gardens."

Mere Mortal ventured into the yard and soon he stood beside the Brownie fisherman and gazed into the pool and the reason for its name was revealed. The spreading branches of the tree, a pink geranium's happy face, shyly nodding fuschias and many ferns, all were reflected in the dark waters of the pool. As he watched the gold fish darting here and there among the mirrored flowers Mere Mortal forgot the world and entered the land of "Things As They Ought To Be."

Finally Fairy led the way across the lawn through the rose arched garden gate where really there was no gate at all. Here M. M. paused, entranced, the vision was so lovely.

"Oh, what is it?" he asked.

"Well," said the Fairy in her most practical tone, "just two years ago it was a wild evergreen blackberry patch but its owner had a vision and now it is a province in Fairyland."

As M. M. moved slowly down the path that led through the rock garden he found a tiny water fall and over the brooklet that fed was a rustic bridge like nothing that Mere Mortal had ever seen. The path led on through myriads of flowers, many of which were strangers to M. M. Even though that he knew were larger and more beautiful than he had ever seen them grow.

Beyond the waterfall was a tiny forest where fairy size deer peeped through the trees. Across from this was a silver globe and in its surface were mirrored enchanting pictures of flowers, trees, and sky and at one side M. M. caught the reflection of a strutting peacock.

Beyond the globe was a lily pool where more gold fish darted and above the pool a white summer house walled in by statley hollyhocks.

"Now come and see the rose forest," said Fairy.

Mere Mortal followed her through the opening in the rock wall and entered the home of the roses. Not just roses at all but trees of them.

"Only folk who know the land-kind" said Fairy.

Mere Mortal moved about among them and was sure that each one he touched was more

FAIRYLAND IS FOUND

Mere Mortal Finds it Not Far From Salem

beautiful than the last. After a long time Mere Mortal and Fairy found themselves out on the road again but even this was not an ordinary road because each mile was lined with flowers of all kinds and colors.

When he came back to Salem Mere Mortal told others about that province in Fairyland and ever since people have been going to the Frank Doerfler farm to see the Enchanted Gardens.

IT'S DOERFLER HOME

She led the way straight out State street and continued on east from Salem. When they had travelled nearly eight miles Fairy pointed to a huge tree that spread its branches across a green lawn. Back of the tree was a cream colored house that looked like home.

NIGHTSHADE FAMILY IS GREATLY USEFUL

Nightshades, but by no means deadly, comprise a botanical family that furnishes us with a number of the most important vegetables in the garden, notably the potato and tomato. The botanical order is Solanaceae, the solanum or nightshade family.

In addition to potatoes and tomatoes, two of the most commonplace vegetables in the diet, it comprises peppers, eggplants, and hunk tomatoes or ground cherries, sometimes used for preserves. Potatoes and eggplants are the most closely related, both being solanums. The tomato botanically is a lycopersicon and the pepper is a capsicum.

In addition to these vegetables the nightshade family furnishes the smoker with his tobacco plant as well as some handsome garden flowers. It is strange that a potato, tobacco and tomato should be relatives and members of the same family.

In the flower garden the nightshade family is also important. The nicotiana, affinis, sylvestris and Sanderae are well known for their ornamental qualities and the sweet scent of affinis. The daturas, with the huge fragrant trumpets, are handsome annuals and the native trochopale or stink-potato, with its atrocious, furnished a drug, the dried leaves being smoked by asthmatics to mitigate the violence of their wheezing.

But most popular of all the nightshades in the flower garden is the petunia. This would never be suspected of being a cousin to the potato. Others of the family are salpiglossis and schizanthus, the last one of the popular greenhouse annuals as well as a fine annual for the garden.

The beautiful blue of the brodiaea comes in this family also. A few greenhouse plants are also included in the solanum tribe such as the Jerusalem cherry which is really a miniature pepper, and the night blooming jessamine, cestrum. Taken by and large the nightshades to often called "deadly" are a most useful family.

CELEBRATES RETURN

MILL CITY, July 12.—William Gillenwater accompanied by his son, George, have returned to their home in Mill City from the government camp shortly after where the elder Gillenwater has been employed as cook for several months. Their return was due to Mr. Gillenwater's health. Mr. and Mrs. John F. Smith and granddaughter, Freda Smith, and Miss Ruth Davis drove to Marshall field to spend the Fourth of July vacation. They report a fine trip.

MILL CITY, July 12.—

Lightning struck the Palace ROME, July 11.—(AP)—Lightning struck the Palace Hotel in Rome today during a terrific electrical storm today and set fire to elevator motors in the basement.

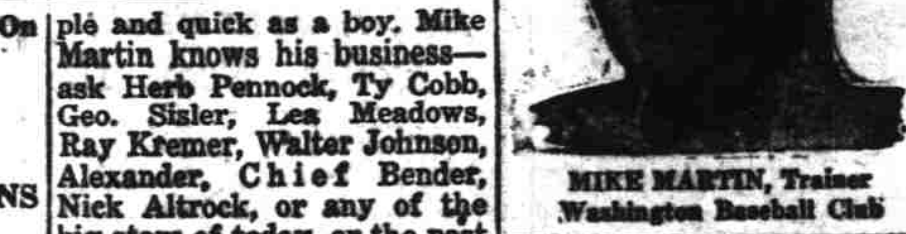
NEW YORK.—(AP)—An increase in the number of 15-minute programs over the half-hourly hourly features has been noted.

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MIKE MARTIN, Trainer Washington Baseball Club

Greatest Living Expert on Keeping Athletes in Perfect Condition
TRY HIS METHOD ON YOUR ACHE OR PAINS
We want to introduce the reader to Mike Martin, who probably knows more about keeping a person in fighting condition than anyone else living. For over 20 years at various universities and with the New York Yankees, Cincinnati Reds and now as trainer of the Washington Ball Club, Mike Martin has won fame as a lightning quick fixer of sprains, pains, aches, etc.

Mike Martin is a genius. He can take men claimed to be too old, stiff or rheumatic to play baseball at all and make them as frisky, vigorous, sup-

BURBANK EMULATED

COMMERCIALLY NOW

Only a few years ago a horticulturist who experimented with plant breeding and turned out new varieties was hailed as a wizard for the chief reason that there are so very few of them. The late Luther Burbank achieved a world-wide fame as a plant wizard for his experiments in breeding new varieties although his contributions to gardens are very small, much less than plant breeders of today whose names are unknown outside of trade and scientific circles.

Each big seed and plant house now does much of its own wizardry in the way of plant breeding and originates its own novelties in gladiolus, dahlias, and irises to a very large extent, while professional growers here and in Europe are trying by selection and hybridization to improve the present varieties and giving us each year real improvements.

Plant breeding from a form of wizardry is now a profession. The principles of heredity since the promulgation of Mendel's law are much better understood and a breeder can foretell with considerable degree of certainty the qualities which his hybridizing efforts are likely to produce. He also knows the qualities he is seeking in making crosses or in selecting a type that has appeared to fit it.

Zinnias under the manipulation of California growers have been marvelously developed. Calendulas have been given a new status by the development of the ball types. Petunias have been worked into plants of wonderful coloring and beautiful fringed and ruffled types.

New varieties of vegetables are produced by crossing old reliable sorts. The Golden Bantam corn's golden color and sweet flavor has been bred into corn of bigger cobs. Stringless string beans have been evolved by careful selection and breeding. The catalogues today represent the aggregate work of plant breeders all over the world. New plants today are not chance discoveries. The world has been too thoroughly explored for plants for that. The introduction of a new genus is a rarity that we seldom encounter. When we go over our seed lists we are selecting the result of the magic of science as applied by earnest workers and students.

Begonia Has Growth That Takes Breath

ROBERTS, July 12.—Mrs. J. P. Bressler has a begonia that measures 12 feet in height. There are six main stalks some of which measure an inch in diameter.

The begonia is a pink alba picta and is covered with beautiful wax-like blooms.

Mrs. Bressler can successfully raise any kind of plant she wishes. She loves to experiment in growing plants that are difficult from those grown commonly and they seem to thrive under her magic touch.

She has a century plant two feet in height, a grape fruit tree with fruit on it and a lemon tree with lemons. There are a number of interesting cacti among her plants. Her yard is an interesting place to visit.

STATE RESTS CASE

ASTORIA, Ore., July 11.—(AP)—The state today rested its case against J. R. Burke, prominent fish packer who is on trial here charged with arson in connection with the Sanborn cannery fire last January.

UNDERGOES KNIFE

PERRYDALE, July 12.—Mrs. Hollis Hamilton was operated on for appendicitis at the Dallas hospital Wednesday morning. She was resting very well according to latest report.

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