

## BULBS FOR PLANTING NOW

12 Grand Dutch single Tulips

Now, big, sound bulbs for outdoor planting. Every oy will bloon qioriously next spring. 81.00 , postpaid
10

## Lapark Farnous Tulip Offers

## A Year's Subscription to Parks Floral Magaziue 耳ncluded With Every Order. COLLECTION NO. 2 <br> 8 Lovely Named, Single, Early Tulips, 30c <br> <br> 7 Parrot and Botanical Tulips, 30c

 <br> <br> 7 Parrot and Botanical Tulips, 30c}Artus. Scarlet. Rich, bright red; flowers rery large.
Cottage Maid. Immense white petals charmingly suffused with carmine-nink.
Duchess de Parma. An onchantingly beautiful, large flower, brownish-red, light orange-yellow border. Just van Voudel. Cherry-red-violet, charmingly feathered white.
LaReine. Pinkish white. One of the most popular outdoor Tulips.
Prince of Austria. Outside petals orange.red, mith a copper tinge, inside petals brilliant scarlet-sed.
White Irawk. Very large,pure white roundevact.


DOJBLE TULIPS
Vellow Prince. A clear canary-yelion, occasion ally streaked with a littie rec. ${ }^{\text {a }}$ One of the Cnest. $t$ collections, or 32 Buibs, and 4 subsciziptions, sl.Ge. COLCECTICN NO. 5

## 10 Tall, Darwin Talips, 25 c

The Larw:ns are al! the rage because the fiowers are so large, so veriectly fcrmec̆, waxy in texture on gtems $21 / 2$ to 3 浚 feet iu height and last until Lecoraticn Day.
Clara Tikti, One os che grandest, a clear pink flus? ed salmon-rose
King Haroloh. \$lood red, with white base and blood center.
\%\% andeur. At first the petals are touched with aickly becoming pure white.
-lrope. Crimson, pith white center; exquisite:y eantiful
Madane Firelage. A lorely purplish piats broadis margined with silvery biush pink and havily whice base.
Fh Be Commines. Velvety, purvish maroon, c: viinithed mahogany. Very fine.
Pride ef Haarlem Rose, scarlefoblue, An immense florrer, sometimes â feet; periumed.
Thin. Rich, purple-black; very dark and large.
Farncombe sanders. A briliant, fiers ecarlet, nsicie cerise. Very beautiful.
Glow- A clazzling, veruilion scarlet, edged white: with bue base.
5 collections, 50 Buibs, and 5 subscriptions, $\$ 1.00$.
COLLECTION NO. 4
3 Double and 3 Single Late Tulips, 25 c
This 3 a mice coilection for coe who wishes to try just ien of poth doubio and single varieties. The late-floworing Tulips are pery popular.
Brase Flag. A soft shade of violet-blue; an untsaal. and rer pleasing flower.
Gesueriaus Minjor. Crimson-scarlet. A very ishiv cocred Late Tulip with a biack centre.
Engeseacombe Yellow. The oniy pure seliow Late Twise-
hacamoreur. Onoicest double bluah-white fowern
Mazrixge de Dixa FiPlc. Lovely pink daivtily eatieve, wits whitc.
Paeqsey hed. Dark, wonderful red; enormous. 6 cullections, s0 Bulbs, and 5 subscriptions, $\$ 1.00$.

The Parrot Tulips are the most strangely colored of all flowers and odd shaped. Giren fairly farorable attention they produce great, big, flowers, that create a sensation. The Botaniezi ;ype is the original Tulip form; fine for ber" ${ }^{\prime \prime}$ cg

Admas on of aratantinople. A sort of orangescaxit , ci, ciosta markings.
C.st Black, fiery scarlet with golden mark130 sis sirange and attractive.
Giesmeviana Rosea. Rosy carmine. A very showy May-flowering Botanical Tulip.

Lites MIajor. A very bright yellow, distinctively different from all other Parrots.
Pevfecta. Yellow and scarlet. Very handsome Parrot.

Picotee. A lorely white Botanical Tulip, prettily edged with pink.

Retrofiexa. Yellow. Has long, pointed petals beautifully reflexed.

4 collections and 4 subscriptions, 81.00, postpaid.

## COLLECTION No. 3

## 8 Names Seable Early Tulips, 30c

The double Tulpps have been so greatly improred that they actually appear like great grand Pæonies and are becoming more nopular every year.
Conronne d'Or. Orange and goldon. This is absolutely the finest double yellow Tuilip.
Lacamdeur. A large, full, double flower, white tipped with green.
LaMatador. Large, dazzling, scarlet flower, with pinkish sheen.
Lucretia. Rose-violet-pink. Showy and handsome.
Murillo. The handsomest and most desirable pink-ish-white; on long stems.
Solvator Rose. Dark rose flamed with red.
Rubra Maxima. The largest red double Tulip.
Tournesol. Most popular and widely grown double Tuiip, bright red w. th golden base and yellow edges.

4 collections, ci 32 bulbs, and 4 subscriptions, \$1.0e.

## COIEECTION NO. 7

## i0 Named Rembrandt Tulips, 35c

A most interesting class of Tulips that hare brokell away frow soiid cciors into all sorts of stripes aud blotches They asul laree fiowers as as ruie, on long, strong stalks ans blowe o late Mas.

Apalle. Th was-roy; ieathered and striped with white and daris earmiste
Eeatrix $f$, ezeuisice or? daintily striped white.
Cemferrap e. Stineadar rurple on lilac ground


## SINCLE TELIFS

Crimason seaury. Combinativn of red and mhite.
Hebe. Lilac-wh fe-browr. En arravgement of color unique among toweze.
He Primtemps The body ic ilac ard white, taved brilliant scarlet. One of the riost heaintisu: Remibial th.
Purity Pale violet striped on cieany wht
Pierette. Lilac aud white flamed wika ciai
Vesta. Carmine write-liac.
Henobia. White flushed amarantu, gtripe
4 collections. 40 B $\because$ bs, and 4 subs. $\$ 1.25$. postuaid.

# PARK'S <br> FLORAL MAGAZINE 

LaPark, Pennsylvania.

## Planting Bulbs in the Fall for Spring Blooms



I have planted bulbs here, And I've planted them there ; And in fact, I'll confess, They are mest everywhere!

Though all dry and brown now, Just you wait till you see All the glorious blooms That the spring will bring me!

# PAR" :S FLORAL MAGAZINE <br> NONTHLY DEVOTED TO FLOVVERS 

## LAPARK SEED AND PLANT COMPANY, InC., Publishere LAPARK, - PENN'A.

Entered at Lapark, Pa. P. O. as 2nd-class Mail Matter.
Single Copy 5c. M. M. Hersh, Director of Circulation

## FRIENDS' FLORAL CORNER My Special Letter No. 4

It was last May that I wrote my last letter and I had fixed up something for September, but had to leave it all out, because September had $t$ o be sixteen pages instead of thirty-two.

Now I want to take up the thread and continue the story, and I wonder if the etters are of interest to any one? I have had no comment yet.

I ended my last letter just when we were ready to take a "proof", or first print, of the thirty-two pages of the Magazine, the plates for which had just been placed on the cylinders. First the proof was taken of the lower cylinder, skipping the usual cylinder, so that the print will appear only on one side of a sheet of paper. By-the-way, there are about 950 pounds in paper in a roll, which is equivalent to 19,000 sheets of paper 25 inches long and 38 inches wide, so that the sheet of paper makills up a roll, and which is all in one long sheet, is nearly 50,000 feet in length.

The proof is taken and then the expert pressman proceeds to mark the back of each page on the white side of the sheet, with all sorts of hieroglyphics, circles, moons and serpents, indieating that tissue paper, one, two and three sheets in thickness, must be delicately pasted just to come within these oddshaped lines. Where there is a cross it means that even a hole must be cut in the pronf. Now all this is to bring up the impression and make every word print clearly with an even color all over the page. This is not the way it is done on a newspaper as many of yuu have probably watched. That process is quicker and easier, but cannot be employed on a magazine.
Then the proofs of the thirty-two plates, two of each page, are cut out of the sheet just the size of the plate and pasted on the back of the plate exactly where it belongs, and then the plate is fastened back securely on the cylinder.

This process is continued until thirty-two plates for sixteen pages, making one side of the Magazine, have been complete 1 .

After this the upper cylinder is treated the same way, then the pages that print the red are made ready, the rollers are put in, and the press started, and about 2,000 or 3,000 copies are printed. The last of them are carefully examined, and if the impression or printing is not clear and even, or right, the light places are brought out more clearly and those that are too heavy are modified.
Then we are ready, and the Marazines are printed as fast as the rolls of paper can be hoisted into place and "sheeted" through, and the printed, pasted and folded Magazines removed at the other end of the press. Finally about 75,000 copies are printed dailr, although we do run quite often $80,000,100,000$ and up to 110,000 in a single day, but this is a very heavy and splondid run.

The Magazines are delivered by the pressin piles of fifty, these are neatly placed in boxes holding 6.000 or 7,000 , on trucks, and are delivered in front of our new Seybold trimmer,
operated usually by one man, who places them, one huudred at a time, pulls the lever, a safety device shoots down so that he must keep liis hands out of the way, and a knife comes down that cuts the front off like paring cheese. Back it flies and two parallel blades descend that trim the top and bottom. This is a new machine, a new invention, and since we installed it a few months ago, we are able to deliver the Magazine to our subscribers in a neater condition than has been possible in the past-this one machine does the work of eight of the uld-fashioned cutters when operaced with two men.
We have brought the Magazine up to a point where it is ready to be mailed, so now we will have to go away upstairs to another entirely different departinent of the work; how we get the subscriptions and what is done with them when we get them.
When my brother and 1 came here and took possession of the Magazine, part of the agreement was that it would be delivered to us with 250,000 paid-up subscribers on the list. It was our intention to start in vigorously to increase the list. But on account of the war, the need for men in other occupations, scarcity of paper, etc., publishers were requested not to do anything to boom circulation. Naturally we took the hint.
But after the war was over, paper became more plentiful and at a more reasonable price, we began to move and soon had men and women in different parts of the country taking subscriptions fo" us. We thonght out a plan th it proved very interesting and successsul, and baczuse of it we changing all our circulation methods. Tuday we have three men and a dozen wo nen working on the new plan here in the East and they are taking about 2,000 subscriptions for us a week. Having proved a splendid success we are training additional young and elderly women, and within a year expect to have two hundred active representatives throughout the enmetry, all working from Lapark as headquarters, taking subscriptions exclusively to Parks Floral Magazine. We do not use the student's or college plan, or give a set of dishes, or maps, or anything of that kind. Our plan is entirely new, and used by no other publisher, and is right. Everv representative is paid an agreed upon monthly salary and is absolutely under our control and anthority. And these people are trainer, first of all, that we have a Magazine that penple want, that they need it and are glad to have it when they are properly app"oached and given the facts And they know ther must not call it Parks Magazine, or say it contains stories or anything that it has not and does not publish. It is a floral publication and there is no idea of making it anything else.

Today we have more than a half million subscribers, and it is only a question of the necessary time in which to train a sufficient number of agents when we shall have two million subscribers.

General Manager.

## PARK'S FLORAL MAGAZINE WHERE DO OUR BULBS COME FROM?

T1RITELIA Uniflora, on spring starflower, belongs to the lily family and was introduced originally from South Africa. The freesia, a member of the iris family, also comes from there and is by some botanists placed with the gladiolus. Oxalis Bowiei comes from South Africa; oxalis braziliensis and arenaria from Brazil; the cernua variety, known as Bermuda buttercup, from South Africa; Crenata from Peru; Deppei and tetraphylla, Mexico; ell-

crocus vernus

Germany.
The crocus, first bright splash of color in the spring, belongs to the great iris family, coming to us originally from the Mediterranean region and southwestern Asia. Narcissus belong to Islands; imbricata, incarnata and luteola, South Africa, also variabilis; lasiopetola from Argentine; lobata from Chili; and oxalis violacea from the United States. Only the last named variety is hardy.
Galanthus, or Snowdrop, is found in Europe and western Asia, while the Snowflakes, known botanically as Leucojum, of which there are eight species, are natives of Europe and the Mediterranean region. Lily-of-the-Valley, Convallaria majalis, is found wild in the European woods and is grown and cultivated in large quantities in the Amaryllis family, and grow natively in Central Europe and the Mediterranean region and eastward through Asia to China and Japan.

The Cape of Good Hope has given us the ixia, another member of the iris fanily. Scillias, of the lily family, are widely distributed in the temperate districts of Asia and Africa and many are the names applied to the different species of this flower. The common blue squill is the nonscripta variety, also known as harebell; hispanica we call Spanish jacinth and bell-flowered squill; Chinensis is known as Chinese squill; Autumnalis, autumn squill and starry hyacinth; peruviana, Cuban lily, Peruvian jacinth and hyacinth of Peru. The variety verna is the well-known
 sea-onion and is found in the stony and sandy wastes in Denmark, near the sea, also along the Rhine. Other scillas are called Siberian squill, star hyacinth and Japanese jacinth while the monophyllos variety is the dwarf squill.
The Star of Bethlehem, Ornithogalum umbellatum, of the lily family, which is the only variety of this native scilla peruviana natives of Siberia, Turkey, Asia Mi Tediterranean , Both tulips and family confines itself to the north hyacinths are members of the lily group. The great lilium family confines itself to the northern hemisphere all around the world, as far north as Canada and Siberia, extending to a southern limit of Florida and India; many from California, others
 from Japan and China.

A knowledge of the country in which a flower grows in its wild state lends a distinct charm to it; we can picture the plant in its native home, and this vision will help us to place it among our flowers to best bring out its foreign beauty, while grouping plants of each country together is very interesting

Spake full well, in language quaint and olden,
One who dwelleth by the castle Rhine,
When he called the flowers, so blue and golden,
Stars, that in the earth's firmament do shine.
-Longfellow.


$\mathbb{N}$HE busy housewife will do well to set aside a part of her border garde : for a bed of hardy perennials; those beautiful flowering plants which,once well established, will grow and bloom from year to year. They will give her an abundance of pleasure with very little work and she will eagerly greet the familiar faces with each new Springtime's growth.

There are so many beautiful flowers on the list of hardy perennials that the amateur gardener cannot begin to grow them all. Her selection, then, should include those types that go well together; some tall-growing sorts for the background, remembering always to have some plant in blossom throughout the season. She will find it more desirable to plant generous clumps of each variety chosen rather than to dot the border with single plants of numerons different kinds.
fragrance on a damp, warm evening? They come into bloom rather early in the Summer and continue to display their great variety of colors until Autumn. They are easy to grow and the plants are inexpensive. Early in the season it is well to cut off some of the terminal buds, for this will cause numerous side branches to spring up which will bear a profusion of flowers throughout the last weeks of Summer.

The different varieties of Iris are quite as important as the Phlox for the border garden. The splendid Japanese Iris, which comes into blossom early in June, is one of the finest of all our cultivated flowers. The German Iris is an earlier blooming variety, producing great, showy flowers of exquisite coloring, combining the richest and most delicate tints. They should be planted in a well-drained, sunny position, with very little soil covering the


LIBERTY or GERMAN IRIS

Many of the hardy perennials may be grown from seed, although, as a rule, they do not blossom until the second year. In the late Summer, after the frines have been emptied, plant seeds of such p3rennials as Larkspur, Hollyhocks and Phlox. When the young plants are two or three inches high they may be transplanted and kept all Winter in the sime place. In the following Spring they should be moved to the open ground where they are to remain. If a quick blooming garde:l of perennials is desired, plants may be bon rht from seed houses and local florists. It is advisable to buy Iris and Phlox plants, because the best varieties of these two perenni.ls do not always come true from seed, no matter how good or reliable the seed may be.

The perennial Phloxes are among the most do - able of the haidy border plants for the home garden. Who has not enjoyed, their
roots. The Siberian Iris is very effective on account of its long leaves and flower stalks and the attractive blue and white blossoms. Other varieties of Iris have shorter leaves and flower stalks, making them valuable plants for the front of the border.

No border garden is complete without the beautiful Pæonies with their wonderful, Roselike blossoms. The old-fashioned varieties, to my mind, are the best, but one should also plant some of the new types that have made the Pæony truly "Queen of Spring Flowers." A bed of single Pæonies, when in full bloom, with their large, silky flowers, is truly gorgeous. Their requirements are very simple: a good, rich, deep soil and an open, sunny position with a liberal supply of water during their growing season. They are perfectly hardy and when once planted increase in beauty with each new year.

Space will not permit wsto tell about all the well known perennials, but, in passing, we must call to your attention the Columbines with their graceful, spurred flowers and beautifully divided foliage; the hardy garden Chrysanthemums that produce a lavish profusion of flowers from October well into November; the hardy Larkspurs, of which the variety "Belladonna" is the freest and most continuous bloomer, the clear turquoise-blue of its flowers not equalled for delicacy and beauty by any other flower; the dainty, little Baby's Breath. Gypsophila, they call it in catalogues, that lends a cloud-like effect to the stiffest bouquet of flowers; the Hollyhocks, stately, majestic descendants from our grandmothers' gardens; the gorgeous Oriental Poppies; the humble Sweet Williams and many other beautiful, perennial plants that, planted and cared for lovingly, will bring you, busy housewife, a world of cheer and beauty all Summer long. Emily L. Stillman, New Jersey.

## PERENNIALS OLD AND NEW

Looking over the lists of hardy perennialssent in by man! floral friends in the September numbe of our last year's Magazine, I missed some very lovely members of the family, some, indeed, which I prize most highly, so I feel it a pleasure to write a word in their praise.
First on the list comes Dicentra Spectabilis, though that was not the name we gave it in my childhood days. It was Bleeding.
 Heart then, and I can still remember my delight when the old lady who owned the beautiful plant would give me a few of the exquisite sprays, with plenty of green and white Ribbon Grass to set it off. Niow, thanks to one of my kind neighbors, I have two large clumps in my own border of hardy plants. where, coming so early in the season, it is doubly welcome.
In my grandmother's garden was a bountiful clump of Valeriana, or Gardien Heliotrope, as it is more often called, on account of its fragrance, as its tall spikes of fine, pinkish white b'ossoms filled the air with their pleasing odor. For years I looked in vain for this good, old-fashioned plant and at last, through the kindness of another floral friend, I hare it growing in my own garden.

Dictamnus Fraxinella, or Gas Plant, is another very choice, hardy plant which was highly prized in old-fashioned gardens, both for its lemon-scented and very ornamental foliage, and its handsome flowers. There are two varieties, red and white, and when once
established, they are a permanent feature of the garden. A clump of the white variety has been growing in the lawn at our home for $t$ least twenty-five years.
Lest I be accused of prejudice ir tavor of old-fashioned flowers, let me mention as a special favorite, Incarvillea Delavayi, or Hardy Gloxinia, which is indeed an aristocrat among plants. Its long, glossy, Fern-like leaves and imposing spike of rose-colored flowers have an air of distinction that set it apart from ordinary plants, though it does not seem to require special care or coaxing. I take pains to cover it up carefully for its long Winter's rest, and mark its location in the border, as it is a late sleeper and does not come forth from its Winter's repose until nearly the end of May.

Another hardy plant that makes a tardy appearance in Spring is the inemone Japonica, a rery fire, late-flomcring perennial, coming into bloom towards the end of September, when blossoms are much appreciated. I have only one variety, Queen Charłotte, a semi-double pink. but there are other colors equalls as fine.

Last, but not least, comes the Helleborus Niger, the Christmas Rose, another old-time flower which has been grown in England since the sixteenth century: snow and cold weather do not daunt this lovely flower, and, by taking pains to corer the clumps with a glass fre me to protect them from the beatirg storms, the pure, waxy, white blossoms, surrounded by the glossy, evergreen leares, may be had in perfection at Christmas time. They also continue in blossom during the cool weather of early Spring and are especially lovely and lasting when used for cutting.
All the foregoing named perennials, excepting the Valeriana, are not easily obtained from seeds, but are generally ir.creased by root-division which may perhaps account for their comparative rarity, but all are exceptionally fine and well worth strivirg to obtain. Mrs. Erelyn W. Brooker, New York.

## A LITTLE VAREETV IN COLORING

My hyacinth of the single Dutch variety has large bloons which are medium blue with just the tips of the petals light green. It has bloomed like this for two seasons. I would think that the soil caused it, but there are more in the same row and no other has skown any sign of green tips. It is odd and ver! pretty.

Mississippi Jassamine.

# HULL AND HOLLOW PAPERS 

## EY FLORENCE BOYCE DAVIS

Number Ten

## 'JAKING TIME BY THE FORELOCK

DID YOU $\Leftarrow$ ver see a really happy gerson who was habitually behindhare with his work? I never did. The hapnest folks I knew are the busy ones, who selieve in taking ritae by the foreloch instearl of following along in his wake, ऊetting covered with dust, and snmetimes muldew,or even moss.

Autumn is a busy time amnng the hills and hollorvs. There is ha, ${ }^{2}$ vesting to do, mowre and bins and graneries to fili, and everythirg to be put in readiness tor the coming of winter. Today, as I was working in the garden, a little chipmink went dashing past me.his cheek pouches stuffed with grain. He, too was looking ahead-getting provisionsstored up in his underground pantry. I was dropping tulip bulbs into the holes I had made, and when he came back he stopped a short distance away and sat up, chattering his disapproval. "Scold a" way, friend," I trid him, "'my business doesn't concern you in the least. What you are taking into your hoie in the ground will all be eaten up before winter is hardly begun. Just you watch out next spring and see what comes up out of these holes-just you wait, Mr. Chip-munk-"

But he was off about his business. It would be a silly chipmunk who would stay to get the last word with a woman!

What a charm there is about fall planting! Aind few of us do as much of it as we ought. Of course we know that tulips, hyacinths, crocuses, etc., must be planted now if we are to have tlossoms next spring, but there is also much other planting that can be done. Between early fall planting and late spring plantong the chances are ninety per cent in favor of the former. Then we can plan and plant the herbaceous border better at this time of year, because we can see where we want to make changes, and as soon as the leaves mafure we can begin transplanting; and continue
our work as long as the ground keeps open. Many ot the spring bloomers must be planted in the fall or not at all; and when one has the garden all cleared of reruse, and beds and borders planted and mulched and ready for winter, what a satisfaction it is! One feels like a good housewife who lies down at night with a sigh of contentment, knowing that her house is in order.

In early spring a garden that has been left littered with weeds and rubbish and the dead remains of last year's plants is a bedraggled looking place. A better way is to gather the refuse together in a pile, with autumn leaves, somestable manure, and a few upturned sods, and when spring comes 1 t will make fine compost to chop down and use in the garden. Fallen leaves are rich in lime, and if stacked where they will keep moist and decay they make a splendid fertilizer.

But use leaves sparingly for mulching or you will surely kill some of your plants with kindness. They smother hollyhocks and foxgloves and canterbury bells especially, and a heavy covering of leaves on any plants with soft foliage is apt to rot them. A sure way to kill foxgloves is to cover them with manure.The surfacecreeping rhizomes of iris also resent manure, but when irises are planted late, a slight covering of an inch of loose straw or litter may be used to prevent their being lifted out of the ground by frost.

After the snow goes off in the spring, and we walk out in the garden some fine morning and see the tips of the bulbs we planted the fall before showing above the ground, and maybe a yellow crocus in bloom, what a thrill it gives us! Is there any other flower, of all that follow, that looks quite so lovely as that first yellow crocus, coming at the end of winter? Yellow is quite the right color for spring; it lightens up things when the landscape is dull and brown, and in need of gay blossoms. A hedge,
ur even one big bush of forsythia, covered with golden bells, in the first warm days of spring, is very striking. The daffodil family can be


SPRING CROCLS
relied upon to do their part among the yellors: in the color scheme; Emperor, Empress, Von Sion, and Barrii Conspicuous are always lovely. Fall is a good time to take up and separate clumps that were overcrowded and did not blossom freely last spring. The white double narcissus, too. should betransplanted if they have increased so as to interfere with their freedom of bloom.

Last May we passed a place where there were thousands of the poet's double narcissus in bloom, and the owner told us their story. Some twenty-five years ago she and her husband purchased a farm. There was an old house on the place where the original owners had lived before the new house was builded. "One morning," the lady told me. "my husband came in and said, 'Mary, there's a real pretty posy out by the old house. Yon better go over and look at it.' So I went. I found it-half a dozen white blossoms growing in the weeds. I set a stake beside it, and told the men not to cut it down, and later my husband and I dug it up. We didn't know what it was, but I separated the little clump of bulbs and set them out; and all of these." she swept her hand over her field of white bloom, "came from that handful of bulbs. They kept increasing, and I kept separating and setting them out. It was years before I eren knew their name."

At this time of year we are sure to find empty spaces in the border and among the shrubs; let us tuck in some of the small bulbs. the "little folks," such as snowdrops, common and giant, siberian squill (scilla siberica), two
leaved squill (scilla bifolia), winter aconise [eranthis hyemalis], and any of the many otr ors that make a bright patch of color early i; spring.

Then there are the early carpet plants whic: are nice in beds and along border edges: roc; madwort [alyssum saxatile], which is a prcity yellow; the early blue forget-me-not [myo sotis dissitifiora], and the white rociz cress [arabis albida]. The purple rock cress [aubrietia deltordea] is also beantiful along the border, and the phlox family hare a number of members which fill in satisfactorily where a carpet plant is needed. Some of the best are the moss pink [phlox subulata], the crawling phlox [P. reptans], the white chickweed phlox [P. stellaria], and the dainty pink hairy phlox [P. amoena],

The little English daisy [bellis perennis] will hand you up a pink flower almost before the drifts are off its head. We would miss it sadly it it were lacking from our spring garden.

Then there are the dwarf irises [iris pumila] the pasque flower [anemone pulsatilla], and the hardy prizulas, and oh-hundreds of others that re all want to experiment with, and are nerer quite sure of until we do grow them ourselves.

One corner of our garden is given over to natives: bloodroot [sanguinaria canadensis], wild ginger [asarun] canadense],red baneberry [actaez rubra],liperwort [hepatica triloba], closed gentian [gentiana andrewsiij,Dutch man's breeches [dicentra cucullaria]. and many others who dwell together in peace

Jack-i n-t hePulpit [arisiema triphyllum] speaks up here and there in our border of Ostrich ferns, lilies and peonies; his reddish spears thrust $u$ p through the soil early in spring, and his big, green leaves are fresh thrifty and after the ferns have ripened and turned down.

When you
 BOLQUET OF TULIPS course course jou must have a few new lilies, why


IIere it is again: October, the month of red leaves and ripe nuts, of Jack-O-Lanterns wid Hallowe'en! October is a good month but it is a rery busy one for Dame Nature. You boys and girls who are studying out your problems in the schoolroom have really no idea how innumerable are the problems which Dame Nature is engaged upon at this time of year. I should think the old lady's head would ache! First she must see that her birds are all migrating at the proper times and in the right directions. She has had this problem on her mind ever since August, when the swallows began to congregate on barn roofs and telegraph wires and talk about mov.
for they are getting together, and the old birds have been in and out of their little house under our eaves for several days past, which is usually a sign of departure. We wonder if they go in to set the straws straight and put things in order before leaving for the winter." They needn't go to that trouble, for we al ways remove the old nest anyway before spring, so they can have a clean house to build in when they come back.

Robin Redbreast will be one of the last to say good-by. Back on the mountains flocks of Robins wi'l gather and fea:t on sumach berries after frost has destroyed most of the other fruits. They get shy and silent as winter


A SUGGESTION FOR YOUR BED OF HYACINTHS
ing southward. A little later the bobolinks got their heads together and planned out the route they would take; and down from the woods of Canada came all kinds of warblers over the bird air-line on their way back to their winter homes.

Nature's bird migration chart is a very wonderful thing. In the month of September birds become noticeably fewer in the New England states. The Ruby-throated Hummingbirds that whizzed in and out among our porch vines all summer, and fought duels over the balm beds and hollyhocks, are about this time traveling toward Central America. Our Bluebirds are here yet, but we believe they have begun to think about Bermuda or the West Indies,
approaches. Occasionally one gets left be-hind, or else decides to stay over; we fear he has frosted toes beiore spring comes.

The last migrant on the bird chart is the Wild Goose, and a flock of them traveling past against the gray of a November sky is one of the most thrilling sights in nature. It always seems a tragedy when a man with a gun shoots down the fine old leader who is marshaling his flock on that long journey through the air.

The birds are only one item in the long list of work Dame Nature has before ler in getting ready for winter. If we knew of all the little bugs and animals she tucks away under stumps and stones, we would be amazed, 1 am sure.

Eren uld grandfather Mole she tells to burrow deeper in the ground so that he will be below the frost line when wiuter sets in. John Burroughs wrote:
"By mid-October most of the Rip Van Winkles among our brute creatures have lain down for their winter nap. The toads and turtles have buried themselves in the earth. The Wooodchuck is in his hibernaculum, the skunk in his, the mole in his; and the black bear has his selected, and will go in when the snow comes. He does not like the looks of his big tracks in the snow. They publish his goings and comings too plainly. . . The provident wood mice and the chipmunk are laying by a winter supply of nuts and grain, the former usually in decayed trees, the latter in the ground.

The red and gray squirrels do not lay by winter stores; their cheeks are made without pockets, and whatever they transport is carried in the teeth. They are more or less active all winter, but October and November are their festal months. Invade some butternut or hickory-nut grove on a frosty October morning, and hear the red squirrel beat the 'juba' on a horizontal branch. It is a most lively jig, what the boys call a 'regular break-down'; interspersed with squeals and snickers and derisive laughter."

In the spring. you will often see people moving, but muskrats do their moving in the fall. They start off, sometimes several families together, sometimes one muskrat alone, and explore streams and distant meadows. When they find a place to their liking they begin burrowing into the bank or building a cabin. They may change their minds, and after a day or so move on again, leaving their work unfinished; when they finally find a situation that suits them they begin work in earnest, and settle down for the winter.

As winter comes on about the busiest place in the world is a beaver settlement. Summer play and vacation-time is over, and all the little animals "work like boavers" getting ready for cold weather. Dams hare to be repaired, cabins made secure, and trees feiled and cut up, and dragged out and stacked near their houses, much as we get up our winter supply of wood, though in the case of the beaver, the woodpile is for food instead of fuel. When the pond is frozen over and other food hard to find, the bark on the sticks that are stacked near their cabins will taste good to them.

In speaking of the chipmunk in his winter quarters, Witmer Stone writes:
"Those first few weeks of confinement in November must be a strange experience for such an active, sun-loving creature as the chipmunk. To go down out of the bright October sunlight into a chamber utterly devoid of any light of any kind, there to remain groping about in the dark among its companions, squeezing through narrow side passages, depending on food packed away in the nest itself or inside galleries branching off from the main chamber, eating and sleeping in those cramped quarters and getting ever drowsier and drowsier, at last losing consciousness al-
tugether, to awake and become aware in some inexplicable manner that it is time to come out into the daylight once more-. this, indeed, must be a life of strange contrasts."

Part of Dame Nature's autumn work is getting the trees ready for frosts and snow. Of course she has had this in mind all summer, and has been leeping the green leaf starch humming in preparation for the waning of summer, when work in the laboratories nust slaken. At this time the sap which has been rising since spring begins to fail, consequently starch making is retarded. But the leaves hold a substance too valuable to be wasted, so Nature sets the tree to draining them of their leaf pulp, or cambium, as it is called. The ripening of the leaves brings out their beautiful coloring.
Folks used to think Jack Frost was responsible for all the wonderful autumn tints, but


ENAY WREN Jack really has very little to do about it,excert that he possibly hastens the process of the leaves turning by bringing the kind of weather needed to ripen the foliage. The colors are due to in on and other minerals brought up from the soil by the sap of the trees. In long, dry autumns the colors are n ore brilliant, and last longer. An early freeze spoils everything. It catches the tree unprepared, cuts off the leares before they are ripe, and all their rich cell substance which should hare gone back into twig and trunk and root for safe keeping is lost to the tree. Of course it is not wholly lost, for when the leaves fall they mulch the roots; Dame Nature is such a thrifty manager it is hard finding any leal waste in her business. When she spreads autumn leaves on the ground, she not only blankets the roots of the trees, but mulches the soil as well. Spring rains will leach an abundance of lime out of the dried leaves, and this will make humus, or leai-mold, which we are so eager to get to add to the soil of our flower beds.
Altogether, you will see that this is a busy month for Dame Nature. Now what are you boys and girls doing to help her? Have you set out a bed of tulips or hyacinths? Why not write to the Club and tell us how you are help. ing Nature with her worik?

## New lifembers

Howard Newly, Winchester, New Hampshire.
Sarah Bentz, Annville; Lydia Stewart, Rimersburg; and C. E. Ḱnobloch, New Castle;Pennsylvania.
LaVonne Trostle, Panora, Iowa.
Mildred Woody, Garland, Texas.
Martha Reule, Fessenden, Bielda Fehr and North Dakota.

## PINE CONES

The following interesting article on The Tren has been sent in for our Pine cones column, ard anyone who is acquainted wtth John Wren and his wile Jennie will enjoy the sketch, for it is true to life. When a pair of wrens took possession of our bluebirds' house last rear. we were surprised to see the male bird carrying in material for the nest, for though Mr. Bluebird is very leroted to his wife, she does all the building, and all he erer does about it is to go in oecasionally and look orer the work. The Wren is an exception in this respect, for among most birds the female does the nest building.

Editor.

## NAMES AND THEIR MEANINGS

NHEN we were little children in school we all sought the dictionary to find out what our names meant. Now, when we are older, we like to know What the names with which we so often come in cortact mean. The flowers that we have ?nted and are planting at this season are inting, and their names come from all kinds ferent sources.
he tulin is the best known of the fall bulbs nd have you noticed how uuch its flower, inverted, esembles a turban? So it vas called tulip, from the ?ersian word, toliban, or urban. Others are named for some property which they have. Crocus, for instance, comes from the Greek word for saffron, as crocus sativus supplies saffron in great quantities; while the scilla, because it has a poisonous bulb, is socalled from a Greeik word used by Hippocrates which means"I injure", although some people will also tell you that the name comes from the Latin word for squill.
The foliage of the oxalis is usually very acid, so it derives its name from a Greek word meaning sharp, acid, or sour. This property also gives the common name of sorrel. Muscari moschatum has a very musky odor accounting for the family name of muscari. but we are more apt to speak of the flowers is grape hyacinths, feathred hyacinths and pearls of Spain.
Sometimes the work of botanists, and others who have done a great deal in a floral way, is remembered by the name of a plant. The freesia, which is used so much by florists as a cut flower, was named after Elias Magnus Fries, a Swedish botanist, and the oalla, known botanically as Zantedeschia, derives the latter name from Francesco Zantedeschi, who wrote on Italian plants in 1825. Calla is a very ancient name, and although by most thought to be of unknown meaning, by one, Linnæus, is thought to have been derived from the Greek for cock's wattles. This plant bears many names and is often catalogued as Richardia,


SINGLE EARLY TULIP
ener at the court of Nadrid, but although our Star of Bethlehem, ornithogalum, comes from two anciont Greek words meaning "bird" and "milk", no one knows just why it was called that. Montbretias were named after A. J. Coquebert de Montbret, but have been classified as Tritonias, which name is most interesting, as it was derived from Triton, signifying a vane, or weathercock, alluding to the variable direction of the stamens in the different species.
The common names of some flowers are found in the meaning of their botanical names. How many more people call the hemerocallis a day lily! Two Greek words for "day" and "lily", or "beautiful for a day", are responsible for its common name, together w th the fact that the flowers last only a day Chionodoxas we call glery of the snow because their narne, too, came from two Greek words, one of which means "snow", and the other "gloryz". The lily of the valley, convallaria majalis, used to be called lilium convallium, and if you are a Latin scholar you will see that this comes from convallis, a valley, and all over the country we plant these pretty little lilies and, until we know, we wonder what the "valley" has to do with them?
So many, many plants get their names from the Greek! Another one to add to our list is zephyranthes, from two Greek words which, put together, make it the "flower of the west wind", but we call the blossoms zephyr flowers and fairy lilies. The two words that give us galanthus, or snowdrop, mean "milk-flower", but what that has to do with the flower no one knows, unless it is because the flower resembles milk in its whiteness. The spring snowflakes bloom about the same time as the white violets, so they are called leucojum, which means "white violet".
Lilium is a classical Latin name, but comes from the Greek, which, in turn, goes away back to the old Celtic word li, "whiteness" referring to L. Candidum which was the lily they knew. Color is responsible, also, for the name of the iris, coming from the Greek word for rainbow. It was very anciently applied to this flower, on account of its bright and

## varied colors.

Sometimes locations give us names, as in the case of the raununcuius. When we say it comes from the Latin name for a little frog, you will wouder what that has to do with it, but when you remember that many of the species grow in wet places which are also the homes of frogs, jou will see the connection.
Even mythology plays a part in the naming of the bulbs. Narcissus, for example, in ancient Greer lable, was the name of a youth of extra ordinary beauty, of which he was too yain. Because of this fault, Nemesis punished him by making him fall in love with himself when he saw his face reflected in a fountain. In time he died of this love-sickness, and on the spot where he died sprang up the lovely flower to which we give his name.

The story of the hy acinth, too, is very pretty. Hyacinthus, like Narcissus, was a beautiful youth, beloved by Apollo, but through an unlucky throur of the discus, he was killed by the latter. Other versions will tell you that he was killed by Zephyrus out of jealousy. But from the youth's Lluod, Apollo caused the lovely spring flower to come up, bearing his name, Hyacinthus, which we have shortened to hyacinth.

And so we may see from how many, many different sources the names of the hulbs we are planting hare been derived and there have been so very few for which there was not some very good and interesting reason.
D. E. F., Penna.

## (Continued from page 235) <br> THE WREN

Unless you wish to be awakened everymorning at sunrise, do not place the wren houses near your bedroom; nail them under the eaves of the barn, on the grape arbor, or in the orchard. Early in April the Wrens return from the south. Johnny arrives first and begins at once to gather twigs, hay and feathers for the nest. When Jenny comes she helps her little lover, who sings her praises many times a day.

With head up and tail up
The wren begins to sing;
He fills the air with melody
And makes the alders ring.
His voice seems to be coming from everywhere at once, for this active little creature is flying around in the liveliest manner. And no matter how busy he is he snatches a moment very often to sing a cheery song to his mate on the nest. Jennie looks very meek sitting upon her eggs, but just let a sparrow poke his head through the doorway and then hear how she does scold! Wrens have terrible tempers, and those who understand bird language hear very harsh and shocking words.

The little round wings of the wrens are not suited for high flying,so these birds must keep near ground. They feed upon numberless insects, which are their only food. This diet helps to make them excitable. If farmers would only realize how much wrens help them by destroying pests, they would encourage these little brown birds to make their nests in barn and orchard, by putting up many small houses for their use. The doorway of wren houses should be made too small for an Enolish sparrow to enter, as they are the wrens, worst enemy. Sparrows destrov the wrens' eggs.

Elsie B. Stoner, Pa.

## PINE NEEDLES <br> October Questions

I. When cold weather arrives what do raccoons do?
II. By the middle of October how do skunks appear?
III. How many seasons are there in a woodchuck's year?
IV. What mark of summer remains on the weasel's winter coat?
V . When the porcupine stays at home in cold, rough weather, why do not enemies enter his house and molest him?
VI. How does nature protect the nolthern Jack rabbit in winter?
VII. How do bats spend the winter?
VIII. What becomes of bumble-bees, hornets and wasps?
IX. What fish spawns in November, and what is peculiar about the male?
$X$. What peculiarity have beech trees and certain oaks in the Northern States in regard to shedding their leaves?
Answers to September Questions I. The Composite family.
II. Seeds of sedges have an outer covering with an air space between it and the seed, which rides inside like a little passenger in an air-filled boat. This covering is triangular, many species looking like tiny keechnuts, and they float with one flat side on the water, and the otber sices up like sails, ready to catch the faintest breeze that stirs.
III. Wf en rire the stems of tumbleweed break off just al ove the root; it is their habit of tumbling over the ground before the wind, scattering their seeds as they roll along, that gives them their name.
IV. They have two pointed projections, called awns, which hook into one's clothing or into the fur of passing animals.

## Large Sums of Money In Old Kettles

Don't throw away any more household or conking utensils on account of leaks in them, as one of our readers has discovered a harmless powder Which, after being mixed into putty form, becomes hard as stone and successfully mends leaks in agate, graniteware, aluminum, copper, brass, iron, tinware, and plambing. Even a child can mix and apply it, as it requires neither heat, acid, nor tools and will not melt.

In order to prove its great value to every reader of Parks Floral Magazine he offers, if you will write within one week from date you receive this Magazine to mail you one large regular full-size 50 cent package of this Mend-a-Leak Powder with full directiens for mixing and using, enough to mend 30 or 40 ordinary leaks, by return mail for only 25 sents, or three packages postpaid for ozly 60 cents, silver or stamps, of sinckages postpaid for only $\$ 1.00$. Ii in or is sent wrap well in pacer strong envelope. Guarante : is $r$ riocsented or money refunded. A irrrsi all orders to Allen Watson, B-727, Avou, N. Y.

This should be a big money getter for live agents.-Advertisement.
V. It shoots its ripe seeds in every direction, often out more than twenty feet from the tree. VI. The frost.

GOODYEAER RAKNCONT FTRE We will send a handsome Rainproofed, All Weather Coat to one person in each locality who will show and recommend it to friends. Write today to The Goodyear Mfg. Co., 3738R Goodyear Bldg., Kansas City, Mo.

VII. The fruits of the Hop Hornbeam look like hops; each seed is in a little inflated bag, and in late autumn one little balloon after another breaks away and sails off in the wind.
VIII. Blue jays and squirrels bury beechnuts in the earth to hide them. Then they forget their hiding-places, and the next April or May a pair of short,broad seed leaves appear above ground where the nut was buried the fall before. These seed leaves are not shaped like beech leaves, but after you learn to know them you will always recognize them as the baby leaves of a beech.
IX. When the curving pods of the honey locust fall in winter, they are whirled away by the wind over the crust and ice; at last to lodge in some corner, and if the location is favorable the seeds in time soften and germ-


## 12 GIANT PURITYFREESIAS 30 cls

A Club of 5 Subscriptions, $\$ 1.20$


Freesias are perfectly charming for Winter blooming in the house, tbeir lovely, great, white flowers of the giant strain we offer, ornamenting and perfuming the entire house. Just plant a half-dozen, an inch deep, in a 4 -inch pot, in good potting or garden soil and set back from window. Rich, sandy soil is best. When an inch high move into a sunny window. Plant a pot full every two weeks until February to have flowers all the time. The blooms will be larger and better if room is not much over 60 degrees.

This is a rarely good offer, as Freesias are so desirable and the bulbs are quite scarce this year.

You will find it easy to get four neighbors to subscribe for a year at 30 cts each with 12 Bulbs, send us the $\$ 1.20$ they pay you and you receive your subscription and 12 Bulbs free. Thanks.
inate, and tiny locust saplings come up.
X. Seeds of Basswood are a cluster of little dry balls with a leathery bract on the stem that serves for a wing to carry the cluster on the wind; as the little balls fall, they chase one another down the hillside.

## What The Club Is

The Pine Tree Nature Club is an organization of the younger readers of Parks Floral Magazine.

Its object is nature study and nature. Work.

## Our Creed

We believe in preserving our country's natural beauty, and in protecting birds and animals and all wild life that is in need of our protection.

## Rules

Any boy or girl up to the age of eighteen years who is a regular reader of Parks Floral Magazine can become a member of the Club by sending his or her name and address to the Bird Woman, Parks Floral Magazine, Lapark, Pa.

Members should study the questions and learn as much more as possible on the topic of the month. We suggest that they organize local nature clubs as branch clubs of the P. T. N. C., and send in reports of their meetings and the work they are doing; that they plant home gardens and establish school gardens and write to the Club about their work in this Iine; that they become familiar with the fauna and flora and natural resources of their own sections, and tell us about them. By working together we can all have a better understanding of the different parts of our great United states.

## INSPIRATION FROM <br> NATCRE

Nature's charms are always interesting and the inspiration of her works most elevating. The summer's green, the autumn's gold, the beauty of changing days, all these stir the poetic and æsthetic sensibilities of the true lover of nature.
"Along the roadside, like flowers of burnished goid
The tawns Incas in their gardens wrought.
Hears with sunlight. droons the goldenrod.
Thus, common but beautiful, the goldenrod is a pleasing sight with its golden tints, while the wild aster. another gem of autumn, purples many a spot with its bright blooms. To be afield with the trees and wild flowers is truly an instructive pleasure, and we are brought to see that, in the persistence of life force, Nature spreads her gifts and lifts her blooms.
W.E. Umholtz. Ohio.

Dear Floral Friends: I have had such gnod results with baby rambler roses in the house that I want to tell others about it. Last fall, in October, when I was taking in my houseplants, I took a number of slips from my red baby ramblers. I stuck four to six in a fiveinch pot and turned glass jars over them. I did not really expect much of them. I did not suppose they would even root at that time of the year and in the house, but, to my surprise, uearly every slip did root and grew like a weed, In all I had eighteen nice little rosebushes, and by the middle of March a number of them were from eight to twelve inches high and either full of buds, or blooming with regular sized roses, in bunches of from four to eight. Our home is heated throughout with gas, yet none of the buds dried up and no insects troubled the foliage.
Next summer I shall start slips in June and pot singly in the fall and then I hope to have roses all winter.

Maudabelle, Penna.


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## PLANT HYACINTHS NOW For SPRING BLOOMING

A Year's Subscription to Parks Fioral Magazine Included Vith Every Collection.
These are all magnifcent rarieties grown for us in Hulland, fresh, healthy, well developed Bulbs, each contain. ing a fiower for early blooming outdoors next Spring. We include one of each in a collection.

## COLLECTION NO. 8

10 Best Named Single Hyacinths, 45c.

## Clty of Maarlem. Best fine yellow.

King of the Blucs. Finest dark blue.
I'Innocence. Biggest, best pure white Gigantea. Blush pink. very large.
Grandeur a Merveille. Blush white.
Lady Derloy. Dark pink, almost red.
Lori Balfonr. Rose-riolet, handsome and of great substance.

Queen of the Rines. Host perfect. light blue,
Roi des uelges. Scarlet, a grand flower:
Victor Emanuel. Bright, ross,carmine-red:handsome. 3 collections, 30 bulbs, and 3 subscriptions, $\$ 1.40$


## 4 Giant Paper Whites years sub. 300

16 Paper Whites and 4 subscriptions, $\$ 1.00$. postpaid.
Great, big, splendid Bulbs that every one wants to bloom in the house. The easiest of all Narcissus to grow in the house only. Waxy white flowers, in 3 to 4 weeks.

## Handsome Chinese Sacred Lily \& Sub. 25 c

5 Sacred Lilies, and 5 subscriptions. $\$ 1.00$, postpaid. A big, handsome Bulb. imported by us directly from China for blooming in linuse in water, for Christmas. with clusters of sivery white flowers with golden centers. COLLECTION NO. 11
10 Best Named Double Hyacinths, 45c
Mnst people prefor the single-flowering Hyacinths, but on the other hand many never order any but doubles it is therefore a matter largels of individual taste. The bulbe are fine and the varieties the best for outdoor planting this fall for blooming next spring.

Blolisberg. Light porcelain-blue, large stalk.
Chestnut Flower. A bright. rosy pink, like the pinkish-red in a chestnut flowur.

## Crown Prince of Swerlen.

Garrick. A showe light blue with
Grootvorst. Fine, rich, rose-pink.
Jaune sup, eme. Yellow with creamy pink center La Tour di Auverge. The earliest pure white Madamantincla. Large white flower.
Noble Par Merite. Decp red-pink; magnificent
Princess Alexander. Finest dark rose.
Sunflower. Finest all-yellow double Hyacinth.
3 collections, 30 Bulbs, and 3 subscriptions, \$1.15.

## 15 Mammoth Crocuses, 25c.

Newly improted, giant flowering type, the lovels fion. ers like great Tulips. Outdoors they increase in number rapidly. 5 collections, 75 Bulbs, and 5 subscription8. $\$ 1,00$. COLLEOTION NO. 18.

## 4 Trumpet Daffodils, 30c.

Best, finest, largest flowers for outdoors-one of each named sort as listed here, miapped separately
Bicolor Yictoria. Most popular and heautiful Giant Trumpet Narcissus, with irory-white perianth and golden rellow trumpet bandsomely fluted, sweetly perfumed.
Golden Spur. The most popular all-yellow single flowering Narcissus, strikingly handsome.
Madame de divaaf. Pure, snowy white
Vonsion. Double, golden sellow. This is the fam ous Double Yellow Daffodil;rich, glowing golden yellow $\pm$ collections, 16 Bulbs,and 4 subseriptions $\$ 1.00$, postpaid. COLLECTION No. 9

## 10 Double and Single Hyacinths, 45c. Make Your Own Selection of Named Va-

 rieties from Collections No. 8 and 11Chonse any five named sorts from colleetion No. 8 and any flve from collection No. 11, and we send them postpaid together with a year's subscription to the Magazine for 45 cts . 3 collections, 30 bulbs, and 3 subs.,si.10.

## Grand Easter Lily \& Sub. 35c.

5 Lilies and $\overline{5}$ subscriptions, $\$ 1.50$.
The magnificent Lilium Giganteum Longiflorum, or Japanese Easter Lily, for blooming in house, or in yar. dens where it is hardy. Beautiful, large, waxy white. trumpet-shaped flowers. Perfumed.

## 3 French Roman Hyacinths 30c.

5 collections and 5 subscriptions. \$1.20, postpaid.
Exclusively for blooming is house, zrown in water of soil. A grand, pure white, highly perfumed flower COLLECTION NO. 10
12 Fine Bedding Hyacinths Mixed, 35c
3 collections, 36 Bulbs and 3 subs.. \$1.00; postpaid.
Ver's good size bulbs for planting outdoors this fall


Plant auy time now and have lorety bed of bloour in the early Spring. No flowers take the blace of the Dutch Bulbs for faithful ness in bloomin rividness of coics and extreme hardi ness,and they retaiu their quality for years with compara tively little atten tion.

## Dear Children and Floral Fulks:

This is a dull October morning, grey skies and waters without sunshine, but sumehow I always lope grey Autumn days, for the Maples and Birches make their own sunshine, and one that is found even in the deepest woods. This morning, on my walk, the woods were full of colur-golden, ivory, crimson, purple, magenta and scarlet. Birds Huttered everywhere from stripped cornfields and berry thickets. Starlings sailed in strange patterns with stranger cries; Song Sparrows, with their striped vests and soft, black eyes, chirped and flitted by the path; Catbirds bobbed and wagged from fence rails, and the soft, sweet call of the Meadow Lark sounds from the brown, sere fields.

The late fall flowers are fading fast, only the misty lavender of the Wild Asters, massed in the fence corners, show that the winter is not jet. And the blue, blue eyes of the Gentian look up to the cold, grey clouds.
The berries of the Solomon Seal hang like clusters of rubies in the wayside tangle; the pendant branciles of the Barberry drape gracefully above our heads; the red Alder berries vie with the Rose Haws in their brilliant coloring, and the deep, smoky blue of the Carrion Brier, climling gas ly over t':e vialls, mingles with the like tint of the Woodbine fruit.
Let us pause beneath the ancient Beeches that frame our sky and search for the quaint, three-cornered nuts. Further on we shall find hazel nuts and walnuts and, perhaps, a few oil nuts. And, see, there by the wall is a vine of wild grapes, from which we shall fill our bag.
Hear the partridge drumming from yonder tree trunk: his crop is filled probably with thorn berries. And that reminds me we must pluck some of the exquisite Partridge vine before we turn homewards.
Ab! how I enjoy these days. The whole earth abides beneath a low hanging haze. A veil of iris, and sapphire, and golden hues. Everywhere the wood folk are preparing for rest. Summer is over, the time of labor, and heat, and stress is past, and we are just waiting until the couch is prepared whereon we may lay us down and sleep, to awaken not until the reville of spring resounds from the heights. Then shall we arise and go forth refreshed and gladdened to meet whatever may come.

I wish you all good luck and health. and these, of course, breed happiness. Why do not the children write any more? I miss that Corner, so I hope I shall see it again soon.
"Dahlia."
Antone J. Soares, Box 276, Hayward, Calif., wishes to correspond with those readers of the Magazine who are interested in wild flowers, birds, art, or ally other subject that may prove of interest.

## GROWERS ANNOUNCEMENTS

## October Offers of Extra Value

12 tew coleus, all different 6 giant size hyacinths or 15 tulips,
Many nther bargains, send for fall price list.
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#### Abstract

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## AUTUNIN

Oh! The Autumn has a splendor Unsurpassed by any time.
Both her magic and her mystery Must belong to things sublime,
For the beauty of the Autumn Brings a healing to the heart, And such gifts outpoured upon us Even make our doubts depart.

It is sweet to muse on Autumu And her gracious gifts out-rolled o'er the earth in brilliant splendor; Amber, amethyst and goid;
Fruits and flowers and leaves empurpled, By the misty Antumn air,
Prove some kind hand still protects us With an all-enduring care.

Ont The world has cares and crosses, And has tangles well beset-
But the message Autumn brings us Is that Gud remembers yet.
So I take her word, believing That the right outlives the wrong, And I find my heart a narching To the music of her song!

Seaweed, Ohiv.

## (Cuntinued from page 233)

not also add some bulbs of Trillium grandiflorum, our native Wake-Robin, which belongs in the lily family, and is very beautiful. It grows 8 to 15 inches high and has large, white flowers which last long and turn pink with age. Give it leaf-mold and a moist, shaded situation, and then forget about it. Erer? spring it will remind you it is there.
The month of October should never go blwithout our setting at least one lily bulb is the earth. Of all bulbs that are planted, none can excel a white lily in beauty; wherever : lily blooms it pleases the eye. Set betwee peonies, lilies get just the right amount o root shade, of course excepting the madonns

## THISBIGDOLL,DOLLHOUSE Wuv FURNTTURE



## OCTOIBRR

The days are getting shorter
And the nights are growing cold.
'Tis whispered winter's coming, And who but Jack Frost told?

He told it to the hillside,
To every woodland haunt;
And now the leaves, in autumn robes, Their gayest colors flaunt.

All tremblingly they flutter,
With every autumn breeze-
A brigade gor geous, bright and gay, Comes flitting from the trees.

The creeks are flowing faster, Since fed by autumn rains; And bluest gentians, smiling gay, Are growing in the lane.

The birds are sweetly singing Their farewell song, for they Are going to a warmer climate,
King Winter's on his way.
Ethel LeMieux, Mich.
SAVING YOUR GERANIUMS
When you have beds of unusually fine geraniums, you do not like to think of losing them all when winter comes, but the house is too full of other plants for every geranium to have a place, and, too, they cannot be expected to bloom both summer and winter.

We take cuttings from the choicest varieties for winter-blooming; then, after the first little frost, we dig up all our plants, shake the dirt off the roots, and hang them up in the cellar. They should be where it is cool so that they will not dry out, but not where they will freeze. Une year ours were hung a little too near the furnace, and the heat dried them out so quickly that they were dead when spring came; but in a cool place they will winter very well and be all right to plant out in the spring. If you are skeptic about doing this, pot your plants, or set them in a box of soil, and place them in the cellar, giving just a little water now and then to keep them from drying out entirely.

Dear Floral Friends: This is how I made my tulip bed: after digging the ground and breaking up the soil I planted the bulbs four or five inches deep and about four inches apart, in rows, and covered the bed with sawdust and leaves. In the spring I took the leaves off, but let the sawdust remain on the bed.
Early in the season they started to bloom. Penpie came from all directions to see my tulip bed, and said they never saw such beautiful flowers. The first week in July I dug up my bulbs and set them in a cool place to dry until fall. They multiply so quickly that now I have about eight hundred bulbs.

Florence Wood, Iowa. 1
I wish you readers who are successful in crossing different flowers would tell us your methods. I, for one, would be interested, and I am sure there are many others who would be, too.

Forget-Me-Not.

## RECIPE FOE GRAY HAIR.

To half pint of water add I oz. Bay Rum, a sinall box of Barbo Compound, and $\frac{1}{4} \mathrm{oz}$. of glycerine. Any druggist can put this up or you can mix it at home at very little cost. Apply to the hair twice a week until the desired shade is obtained. It will gradually darken streaked, faded or gray hair and make it soft and glossy. It will not color the scalp, is not sticky or greasy and does not rub off.

## Reader Takes Newer Form of Iron--Feels Years Younger

"Six weeks ago I saw a special offer in the paper telling how thousands of people grow old in looks and energy long before they are really old in years, because, as examinations by physicians have shown, an enormous number of people do not have enough iron in their blood. I have been taking the newer form of iron known as Nuxated Iron for two weeks; the results are simply astounding. The roses hare come back in my lips and cheeks, and I can conscientiously say that I feel ten years younger."
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which should be in the open. Lilium auratum, the gorgeous golden-banded lily of Japan, is worth all the trouble we go to keeping the ground open for its late arrival. If we prepare the bed now and cover with a foot of litter and manure to keep out the frost, the bulbs can be planted any time before deep snow.
Lily beds should be moderately rich and dry to a good depth, about two feet, with dry sand for the bulb to rest on, and nu fertilizer in contact with the bulb. Some recommend setting the bulb twelve inches deep; others say six or eight. The main thing is to keep the bulbs from excessive rainfall until they are wellrootec. A piece of roofing paper spread over the place where the bulbs are planted is adrisable if the ground doesn't drain well.
Speciosum varieties, album [white], rubrum [rose with crimson spots], and melpomene [white with crimson spots], are all very lovely. The beautiful Easter lily [L. longiflorum] can also be grown out of doors, with a little protection. Among the yellow varieties, lilium henryi grows six feet tall, is very hardy and increases freely. L. canadense and L. tigrinum are fine for naturalizing at the edges of woodlands and among ferns. Varieties of L. elegans are pretty in beds where one likes a bright patch of color; erectum is orange with red markings, atrosanguineum is a deep crimson, grandifiorum, yellow, and aurantiacum, yellow with brown markings.
October is the month for planting lily of the valley clumps. Set them about a foot apart, leaving the points of the pips exposed. Hardy ferns planted with them give a nice effect.

Goodness me! so much to do outside, and what about our plants and bulbs for indoors when the ground is white? Some very likely had their Roman hyacinths potted before the middle of last month, which will bring them just about right for Christmas, as they require six weeks to root and two months more to bloom. But it is not too late even now to pot them, for a hyacinth in bud for a Christmas gift is full of promise, and it is a pleasure to watch it develop.

From Christmas to Easter is not such a long way,so we must also have our Easter lily hulbs in pots as early this month as possible. Keep the pots in a cool dark place until they are filled with roots, and when they are brought into the lioht, a temperature of about $6 \breve{y}$ degrees is best, though they will stand it much warmer.

Thoreau, once wrote: "Men say a stitch in time saves nine, so they take a thousand stitches to-day to save nine to-morrow." It may seem that this would apply to fall planting, so many stitches have to be taken now, but when the spring rush is on, and the days are not half long enough for us to do what needs to be done, we will appreciate to their full value the nine stitches we have saved. Anyhow, there is a deep satisfaction in taking Time by the forelock!

Mrs. Bestha B. Hammond, Mahopac Falls, N. Y. Back numbers of Parks Floral Hagazine, the Flower Grower and a copy of Gray's "Botany and Field Books" and house plants for books on flowers, or of standard authors, poetry or prose, or fancy work. Write.

Mrs. Norman Stoner, South Whitley, Ind. Achimenes, begonia Evansiana and gladiolus for hardy perennials and named narcissus. Write.
Mrs. M. E. Martin, Amoret, Mo. Seed of Sunflomer, Lettuce, red Pepper, Gourd, Jorning Glory. Oactus, Per. simmons and Pecans, and roots of Trumpet Vine and Creeping Charley for quilt pieces and lace. Write.
Mrs. Olive Hawkes, RFD. 3, Parsons, Tenn, Flower seed: for quilt pieces.

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REMEMBER We Giuarantee safe and prompt delivery of all bulbs and that they will reach you in a satisfactory coudition, forsetting out this fall.

Dear Floral Friends: There are many who love flowers. Inded, I believe everyore does in some degree; but there may a few who do not. However, I cannot believe that their lives can be filled with as much of the pure joy of living and seeing the things of God grow as are the lives of those who love flowers.

I am sure it is with most people as it was with myself, that the choicest kinds of flowers, that require constant care and are usually seen in the homes of the well-to-do, were those that I believe as the only ones to be desired. But I have learned that the opposite is quite true alsa. There are a great many who think "Just the simple white flower
By the roadside plucked,"
is as pretty as many of its aristocratic sisters. And does not "the simple white flower" speak to us of God's loving care and watchfulness, as it comes up year after year with no care or attention given by man?. If we will but pattern our lives after it, and trust to Our Father to bring all things to us in His own time and way we shall avoid many needless sorrows and heartaches.
When packing flowers to send to my friends, I have found that many plants will travel a long distance in the mails and by express without any injury. All of the bulbous and tuberous plants, Paeonies, Dahlias, Cannas, Tuberoses, Narcissus, Hyacinths, Tulips, etc.: are of this character. Many of the flesh-rooted perennials can also be safely sent on a long journey without any iniury. Platycodons, Day Lilies, Hollyhocks and perennial Poppies are examples of the last named class. Almost any of the hardy perennials can be safely sent when dormant. The more tender plants are, however, rather difficult to send a long distance without injury.

A good way to prepare plants, and which I have found quite satisfactory is this: Before shipping, the plants are placed in water and allowed to remain in the coolest spot I have until packing time. I then place damp Sphagnum moss around the plant roots and wrap in waxed paper to prevent subsequent drying while on a long journey. Pack in a box as closely as possible, filling any space left with excelsior or crumpled newspaper to prevent their being shaken about and broken. Plants packed in this way should travel safely.

I do all my own digging and transplanting except when a hen assists me, and I always feel that the time I am able to give my flowers is all too short for me.

Mrs. R. B. Witt, New York.


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## AUTUMN LEEAYES

The mirrored wapies whimpered sorrow Tumes its way 'miu bursting throat, Wending down to leaf-plowed furrows Which is domning its fall coat.
Poplars, Llighted and worm-eaten, Torn by autunn's zeph'ry splurge, By Jove's thunder bolts fuil beaten, Slow await their mournful dirge.
sycamores, with smile-stripped faces, Bid adieu to joys sun-wrapt,
Autumn smirclies their charmed traces Summer has upon them flapped.
Cow-red oaks, with needles pointed, Infant green, now auburn-haired, By autuminal flow anointed, Though tull sturdy, are not spared. Golden leaves that crooned of summer, Leaves that flock to autumn's feet,
Leaves that gradient grow glummer, Leaves that tunes niestoso bleat. Joseph Carlton Podolyn, Pennsylvania.
Dear Floral Friends: Why don't we see more perennial peas in the gardens? They are one of the easiest perennials to grow and I have had four colors for the last six years. They require little cultivation and give so many big, beautiful bunches of flowers for what little work one does for them. I always give my perennial peas, in summer, the suds from our weekly washing and they just grow wild over a five-foot wire netting fence.
I have cut flowers and pulled seed pods until I am tired of it, gathering nearly a pint of ripe seeds which I gave to my friends. The peas are always the last of my perennials to bloom in the fall, and last year one bright pink was entwined around a big yellow chrysanthemum, both fading at the same time.
The seeds should be planted in October, or later, as they are tardy fellows to germinate if planted in the spring, unless they are planted extra early and not over an inch deep. If planted in late fall, with good care they will give a few flowers the following fall. Each season the clumps grow larger and bloom more freely. They are perfectly hardy without any winter protection.
The perennial pea, or lathyrus latifolius, has no fragrance, but one never misses it, for their beanty makes up for the lack of it. They can be reset in fall or spring if one is strong enough to dig them up, for there is one long tap root which seems to hate to be moved.

Mrs. Norman Stoner, Ind.

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13 cts each; 12 for $75 \mathrm{cts} ; 25$ for $\$ 1.25$, postpaid. $\$ 4.35$ for 100 by express.

Glory of ciey len, Monster flowers of two shades of yellow. Newer. 15 cts each; 12 for $\$ 1.00,25$ for $\$ 1,80$, postraid. $\$ 6.00$ for 100 by express.
Glory of Sesseatheina, An enormous flower, newer, trampet yellow, petals white. 20 cts each; 3 for 40 c : 12 for $\$ 1.30$, postpaid. $\$ 8.25$ for 100 by expre:s.


Golden Spur. All-gellow, egpecially for Winter in house. 13 cts each; 12 for 75 cts; 25 for $\$ 1.35$, postpaid. 3.35 for 100 by express.

King Alfred. Immenselv large. Trumpet handsomely frilled, the perianth 4 ins.in width both of a rich, deep, golden Jellow. New.

20 cts each; 12 for $\$ 1.50$, postpaid. $\$ 10.00$ for 100 'by express.
Madame de Giraaf. Perianth snowy white, the trumpet, when first opening, white flushed primrose soon becoming white. 15 cts each: 3 for 30 cts: 12 for 90 cts; 25 for $\$ 1.60$, postpaid. $\$ 5.60$ for 100 by express.

## NARCISSUS BARRII-CTOwn Dalfodil

On long stems, quite fragrant and fine for cutting. Grow luxuriantly in the garden.

Conspicuus. Perianth very wide, pale, clear yellow, the trumpet-cup deeper yellow edged orange-scarlet. 11 cts each; 12 for 65 cts, postpaid, $\$ 3,45$ for 100 by express.

Fire Brand. Petals creamy white shaded lemon-yel. low at base, cup fiuted, fre-red with orange cast, 12 cts each: $12=-\mathrm{r} 20$ cts, postpaid, $\$ 4.00$ for 100 , by express. Glitteroijnown ©orlsts as "Yellow Poticu: Ornatus."Deep $J \subset 2 I, ., \ldots+$ scarlet rim. Also for indoors. 17 cts each; f(: e) cts: 12 for 31.10 . postpaid, $\$ 6.50$ for 100. by express.

##  <br> Perfectly larctvo… Beauty. $\Delta$ t.. $\mathbf{j o f i r} 0$ anc orange-scarlet flower.

12 cts each: 12 for 76 cis jo nic. 51.35 for 100 , by expless. Gloria Minndi. Iminaroso-7ellow petals, crown dark yellow deepening to brilliantorange-red at the brim.
13 cts each: 12 for 80 ets , postpald. $\$ 1.70$ for 100, by express. Sir Watkin. A monster yellow flower often measuring 5 inches aeross. 14 cts each, 12 for 85 cts , postpaid. 5.00 for 100 , by express.

Wiil scarlet. Newer: mammoth bulb, white and fiery orange-scarlet. 30 cts each; 3 for $\$ 0 \mathrm{cts} ; 12$ for $\$ 2.90$.

## PoETICUS, or Poet's Narcissus

Instead of a trumpet, or crown. it has a low. wide mouthed cup. Perfectly hardy. Blooms are on long. strong stems, highly perfumed and fine for cutting.

Aliniara or King Lidward VII, Snows white with yellow cup bordered red.
14 cts each: 12 for 75 cts, postpaid. $\$ 4.70$ for 100 , by express. Cassandiat. White with dark red rimmed crown.Especially fine.

18 cts each: 12 for $\leqslant 1.25$, postpaid.
$\$ 6.40$ for 100 by express.
Giory of Lisse. Improved for both indoors and out. White with orauge cup.
14 cts each; 12 for 75 cts ,postpaid. 34.70 for 100, by express.
Ormatus. A white, cup sauron-colored tiuged rosy scarlet. Blooms in April outdoors. Also magniffcent in house.11c each; 12 for 65 c .postpaid. $\$ 3.50$ tor 100 , by express RARCISSUS POETAZ-Bunch Daffodils

Hardy and free-blooming, the flower in fine clusters. 15 cts each: 12 for 90 cts.postpaid. $\$ 5.75$ for 100 , by express.

Aspasia. 3 to 5 large flowers on a stem, pure, snows white with a soft yelluw eye.

Elvira. 2 or $\$$ stems to a bulb, each stem bearing 3 to 4 large. pure white fiowers with bright yellow eye: edged orange. Fur is doors and out.

Irene, The larges all-y ellow Pctaz, the clusters often numberiing 5 to 9 perfect fluwers.

## SWEET SGENTED JONQUILS

Flowers of a rich, golden colur, highly verfumed and borne in clusters of 4 or 5 to each graceful stem. Used in hardy bo ders or gruaps in the grass. Also in house. 11 cts each; 12 fur 60 cts, postpaia,,$\dot{5}$ for 160 , by express, Canipaninelle ederelis. Extra large blooms.
fampernelle bloribus Plenus. ithe same flow er but double.

Ciant Campernelle Rugulosus. Large, single flowers, star-shaped, 1 etals fascinatingls imbricated.

C'ampernelle inugulesus Plenus. Same as the rariety just clescribed, but fluwer is inteusely double.

Jonquilla, Single, Very popalar.
Jonquilla, Flore-iPlena. The same flower, but double.
Teuble. changing to white.
POLYANTHUS, or Nosegay Narcissus
Bear 6 to 12 delightfully scented flowers to a stem. They can be grown only in the house unless jou live sonth of the Carolinas, where they are admirable for gardens and naturalize well. In the house they are grown in soil or water, and bloom from Christmas to spring.
13 cts each; 80 cts for 12 , postpaid, $\$ 4.85$ for 100, by express. Bathurst. Lovely pale yellow.
Grand Soleil d'0r. One of the most popular and beautiful.

Gloriosa. Early, white with orange cup.
Grand Monarque. White with primrose-yellow cup.
Newton. Petals overlapping, dark yellow, cup orange. Staten General. White perianth with yellow cup. White Pearl. Entirely snowy white.

## NARCISSUS LEEDSII, or Chalice Cup

Duchess of Westminister. Lovely perianth of pure white, the chalice a delicate orange-canary-sellow changing to pure ivory-white.
12 cts each; 12 for 70 cts,postpaid. $\$ 4.20$ for 100 , by express.
White Lady. Splendid either outdoors or in house. Perianth of broad, over-lapping, white petals with pale. canary-yellow cup daintily crinkled.
12 cts each; 12 for 70 cts.postpaid. $\$ 4.10$ for 100 , by express,
White queen. Lemon yellow changing to white: fringed.

24 cts each;3 for 50 cts: 12 for $\$ 1.65$, postpaid
DOUBLE NARGISSUS, or Daffodils
For outdoors but also mach grown indoors in pots and pans and used for cutting.

Aiba Plena Odorata, Very double, pure white highly fragrant. Fo. outdoors only.

12 cts each 12 for 70 cts , postpaid. 83.75 for 100 by express.

Golden phoenix. Rare in catalogues: sellow: fol outdoors.

13 cts each; 12 for 80 cts , postpaid
$\$ 1.40$ for 100 by express.
Drange Phoenix. "Eggs and Bacon". A large, beau tiful flower with creamy white petals and bright orangt nectary, splendid for forcing indoors in pots and pan: and a grand, hardy sort for outdoors.

13 cts each 12 for 15 cts, postpaid. $\$ 4.00$ for 100 , by express.

Sulphur, ※ilver Phoenix. Same as orange Phce nix sare in color, which is creamy white with sulphul nix sare in collow, which yectary. Known ${ }^{\text {st }}$ Codlins and Cream". 15 cts each; 12 for 80 cts, postpaid. 84.35 for 100 , by express

Vor Sior. Glowing, golden yellow, forced by fior ists as cut-flowers and planted a great deal among Hya cinths. 14 cts each; 12 for 85 cts . postpaid. $\$ 4$. 70 for 100

## A WAYSIDE FRIEND

0 little flower by the wayside, Why do you look so sweet? In clouds of dust, whate'er betide And not a friend to greet!
My duty is here by the wayside, Sunshine I greet as a friend, The grasses tall in me confide, And thus through life I wend.
I need not a lovely garden, Wherein my love to show; ;
But I bloom here to unburden The hearts of the poor and low.
I nod my head when they pass me, It's all a flower can do;
They pass on their journey onward, And thus I do to you.
And so my life by the roadside, Is filled with duty plain;
Througla cloudor sunshine shower I'll bloom and live again.
I. Van Hagen, Ohio.

Dear Floral Friends: I want to tell you how the flower grower in a town can have hollyhocks. We all love the stately stalks of bloom, but on a small lot they take up so much room.
Several summers ago I broke off the stalks, as soon as the sceds were ripe, and laid them along the fence in the alley. Lots of them ame up and were left to grow as nature dictated. Ihey have never been cultivated and they seed themselves. All 1 ever do is to rake the grass and leaves off erery spring.
Such great tall stalks of bloom; taller and finer than those under cultivation in my flower garden! Try it and have all the hollyhocks you want, and at the same time utilize a space which is often neglected and unsightly. You will receive more favorable comment on them than anything else y ou grow.

Will try cosmos there, also, this year. I have better success with them in rather poor soil. A plant u hich came up in the hard garden path and grew without any cultivation had such lovely big flowers, thile those planted in richer soil broke down aud the foliage turned brown. If you have a clay spot where not much else grows, by all means tiy cosmos.
"Foxglove", Kans.

## PROPAGATING MYOSOTIS PALUSTRIS

Never throw away a bouquet of myosotis palustris. Simply keep them in water until the roots form, and then set them in the ground. The following spring you will have plants ready for early blooming, and these plants will continue to bloom all through the season and are perennial.
A. L. G.

## Cured Her Rheumalism

Knowing from terrible experience the suffering caused by rheumatism. Mrs. J. E. Hurst, who lives at 608 E. Olive St., C 28, Bloomlngton, Ill., is so thankful at having cured herself that out of pure gratitude she is anxious to tell all other sufferers just how to get rid of their torture by a simple way at home.
Mrs. Hurst has nothing to sell. Merely cut out this notice, mail it to her with your own name and address, and she will gladly send you this valuable Information entirely free. Write her at once before you forget.
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OWENTIONS AND ANSWERS
Q. A friend gave me a single dahlia potato last spring. It has remained dormant all summer and still shows no sign of sprouting. Must it have an eye to produce a shoot, and is it any good?-E. L., Pennsylv: lia.
A. A tuber without an eye will never grow, so discard yours. To avoid giving away these eyeless divisions, it is best to start the eyes by placing the roots in a warm, moist place a short time before dividing. The eyes are not on the tubers, but on the crown to which the tubers are attached.-EDITOR.
Q. How can I get rid of the asparagus beetle? M. K., New Jersey.
A. Enclose your patch and keep poultry in it to catch the beetle; fifteen to twenty hens per acre are sufticient. Dusting with airslacked lime kills the larvae but does not injure the adults. During cutting season it is a good plan to leave a row or two of asparagus along the edge of the patch uncut to act as a trap crop. These plants should be sprayed frequently with arsenate of lead, one pound of the powdered form in 40 gallons of water, adding two pounds of yellow laundry soap as a sticker and a spreader. After the cutting season is over spray your entire patch several times, at intervals of ten days, with the same solution.-EDITOR.
Q. My garden is infested with snails that seem to feed at night and are not seen during the daytime. What will poison them?-M. E., Pemnsylvania.
A. Air-slacked lime, soot, fine coal ashes, road dust, or any inexpensive, fine dust placed about the plants will prevent damage. The snails can be poisoned by applying arsenic to boiled potatoes, placing the pieces of potato about two feet apart where they are found in greatest numbers.-EDITOR.
Q. What shall I do for my perennial phlox which is ruined every year by a tiny spider? It works on the underside of the leaves, causing them to turn

## Cured His Rupture

I was badly ruptured while lifting a trunk several years ago. Doctors said my only hope of cure was an operation. Trusses did me no good. Finally I got hold of something that quickly and completely cured me. Years have passed and the rupture has never returned, although I am doing hard work as a carpenter. There was no operation, no lost time, no trouble. I have nothing to sell, but will give full information about how you may find a complete cure without operation, if you write to me, Engene M. Pullen, Carpenter, 42.5 Marcellus Arenue, Manasquan, N. J. Botter cut out this notice and show it to any others who are ruptured-you may save a life or at least stop the misery of rupture and the worre anc danger of an operation.
A. Spray your phlox with kerosene emulsion, directions for the preparation of which can be found in this department in the July number, or with soap and nicotine solution. For the latter use $\frac{1}{2}$ pint ( 40 per cent. nicotine sulphate), 50 gallons of water, or 1 teaspoon in a gallon, and 2 pounds of common soap.EDITOR.
Q. What flowers grow best on the north side of the house?-V. P., Californta.
A. Funkias, saxifraga peltata, ampelopsis, English ivy, hydrangeas, hemerocallis and iris pseudo acorus will all do well on the northern side of the house. Tuberous begonias are fine for the shade, but are not hardy in the northern states.-EDITOR.
Q. Do fuchsias reqube anach water?-I. H., Wis. consin.
A. It is surprising ine amount of water fuchsias will drink. They like plenty of it at the root and will not grow unless their baads are often moistened. Use the syringe wora. ing and evening, or, if you have cot sime enough for that, just in the evanand and let the water be tepid.-EDTר'OR.
Q. Can Gloxinias be propagated fore ،eaves?E. J., Massachusetts
A. Gloxinias are easily propagated by inserting the leaves with an inch or more of the stalks around the sides of the cutting-pot. These should be left in the pots until the following spring when the young tubers will be found on shaking the soil out of the pots. The leaves that do not root will wither right away, but those that do remain fresh and stand up as firm and stiff as those on the plant.EDITOR.
Q. How are pentstemons grown from seed?E. H., Connecticut.
A. Sow pentstemon seed thinly in pans of .icht soil such as equal parts of loam and leafmold and cover the pans with a piece of glass, or place them in a coldframe. When large enougit, prics thes seedlings out into a bed of good soil. In the sctumn they can be planted out in their :eamanen. quarters.-EDITOR.
D. How to yo' force liily of the valley? Mine bloom nhly iz Aprit chile the florists have them blooming at other timas. \% D., Tenn.
A. Lily of the valley pips are kept in cold storage by the Horists, at a temperature of 2 S degrees, fo: two or three months. Then they are taken out as desired and planted in sand and weil-watered. For the first ten to fourteen days the plaris are covered, then they are graduaily brought to light. It requires about three weeks, witc a temperature of $\subset 8$ degrees to bring them into bloom. EDITOR.
0. Are all elirysaridemums perennial? W.F., Ill.
A. There are both perennial and annual varieties of chrysanthemums. EDITOR.
a. Will someone piease give the general wants and care of dieigtra blectilig hoart. P. F.O., Me.
A. Bleediug-heari tizer $\approx$ rich, light soil and if given room ard moisture the foliage will be attractipa untis late summer. EDITOR.
Q. Pieass tel Me Fw te start seed of passifloras or passion-flamer. \& save reyer raised one plant. C. B., Ar'z
A. Tassithors exeec is gown in Aats of light soil, They germicate slowiy, britile young plante are ensy io ratise, wer way be sct outapare wisen from fle werse to a year o.d. $62 \pi 02$
 valiey. B \& " M1ss.
A. Lily of the yitor totznows Bnfanconily as convallaria majalis. $\pm \dot{5} \mathrm{~L}$

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