# Capital Journal HOMES FOR AMERICANS HOME PAGE

## **Development of Plants for Medicinal Use Interesting**

By MARK M. TAYLOR

lice without harm to the plant It was not until 1809, however

that the presence of a volatile poisonous substance was dis-

covered and recognized as an alkaloid and named nicotine.

and some growers have stated that even weasels and rats are killed by the fumes.

The state colleges and re

liquid lime-sulfur plus granu-lated sugar. It should not be

stored near arsenate of lead as

it has the property of uniting

with it forming a lead sulfide. Soluable sulfur is used strictly

cannot take place. It is not that

sprinkle them!

"mow" our lawns as we

as a dormant spray.

Some of the interesting aspects in combatting insects and "Flowers of Sulfur" (sublined
diseases in our gardens are
found in the study of the origin of present day insecticides
and fungicides. For example,
centuries ago natives in trovisal exercises found that by pical countries found that by pounding roots of two plants, Derris and Cube, and throwing them into streams the fish impurity sufficient to cause foliage damage to plants to which it was applied. However, the development of new processes have corrected this were paralyzed and easily caught. They didn't know why until much later, scien-tists discovered that only the deficiency. Tobacco Used Tobacco was one of the first materials to be used as an incold-blooded creatures were affected and that warm blood-ed ones were not injured secticide. In 1763 a French paper recommended the use of Thus, rotenone came into befinely powdered tobacco mix-ed in water with the addition of some lime to destroy plant

Caucasian tribesmen pounded flower heads of a member of the Chrysanthemum family, Pyrethrum, and used the pow-der to kill lice. This is one of earliest insecticides, often called Persian Insect Powder or Dalmation Insect Powder.

to check human ills. There's rothing new about them. It is only that now we are beginning to learn something of these that Nature has produced since the beginning of time.

Antiblotics Not New

The use of antibiotics to con-trol plant diseases is relatively greenhouse use where one new. Their use must not only control the spread of disease but must be harmless to hu-mans or animals that may eat trol plant discussed in the greenhouse, the control the spread of disease but must be harmless to humans or animals that may eat the plant. Thus they are still operations, fumes have been used with special applicators, and some growers have stated eral antibiotics have been found that will check the dreaded Dutch Elm disease, Into the sapwood where the fungus is located the tree dies. On the other hand, crown gall on a number of trees was controlled by penecillin or striptomycin. Apple leaf infections have been checked by Antidione and several other antibiotics. Hellebore, another contact insecticide and stoantiblotics. Hellebore, another contact insecticide and stomach poison, is derived from the powdered roots of Veratrum Album and Veratrum Viride. The former is the American Helleboris, also called "Swamp Hellebore," "Indian Poke," and "Itch Weed."

Like rotenone and received. Like rotenone and pyrethrum are micro-organisms that prey it is harmless to human be- on other micro-organisms and

Pyrethrum was probably crease their effectivences.

Pyrethrum was probably crease their effectivences used in the Orient thousands Thus, nature has provided its used in the Orient thousands own system of checks and ballows. of years ago. Of the fungi-cides, sulfur has been known since antiquity. Linen was bleached with sulfur as early as 2000 B.C. Sulfur is mentioned in the Bible and Homer refers to it as a disinfectant.

SPOTTED LAWNS

SPOTTED LAWNS
Last August I kept watering
and watering trying to get
brown spots in my lawn to
turn green but to no avail.
One day when I was in my
favorite garden store I was
talking to Jim. He asked me
if I had been fertilitzing my
lawn. "In August?" I was really surprised at the idea. So
he told me about flow the lawn
needs food all year 'round just
as other plants do.
He took a package of BOOSTER POWDER off the ahelf
and a Gat Sprayer, showed me
how to use it and said to give
it a couple of weeks try, I took
the BOOSTER POWDER
home, put some in the sprayer

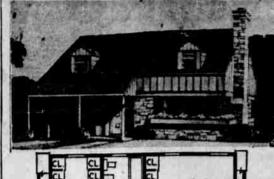
home, put some in the sprayer and covered those brown spots thoroughly. It didn't take two weeks to show me it was food the grass needed. It seemed like the spots started to turn green over night!

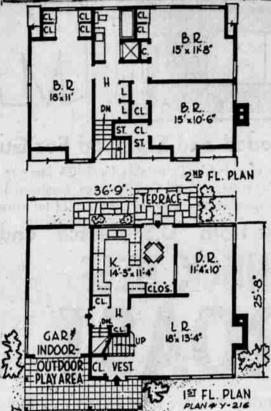
You know what I did after that? I put Miller's BOOSTER POWDER on all of my lawn and have been doing it often this year, too. Now it have a lawn I'm very proud of.

I found, too, that I could fertilize my flowers, vegetables and trees with it and you should have seen the strawberries we got off those two rows this spring. Were they good!

I sure insist on Miller's BOOSTER POWDER when I go to...

Valley Farm Store





A Cottage with two story advantages, this compact story and a half house includes a garage built into the house itself. The house covers only 922 square feet including the garage and provides 838 square feet of floor space upstairs. This is plan Y-216 by Herman York, 115 New Hyde Park Road, Garden City, N.Y.

# Garden Notebook

By MARK M. TAYLOR

What to Do in August Feed chrysanthemums, fu-csias, dahlias and vegetable

garden now.

thus grow, multiply and in-crease their effectiveness. ental poppies and iris. Cut off old and faded flowers from all plants. lawn.
Set out plants of broccoli, well.

ances to keep the world from coming to an abrupt and dra-matic end. cabbage and Brussels sprouts For many years lime-sulfur held a high place and was used more extensively than any other scalecide or fungicide. Dry lime-sulfur is dehydrated limid lime-sulfur alian Plant leaf lettuce, radishes, carrots, onions and parsley. Keep plants well watered.

Set out balled evergreens. Spray roses regularly, keep faded blooms picked off to encourage continued blooming.

soil. The rain washed residue into the ground making it available as plant food. Eventiation TCP which is a hormone like chemical that is carried by the plant through the leaves down to the root tips, touching every part of the plant so it is entirely killed. It seems to destroy the green cells "chlorophyll" and paralyzes the the cell walls of the plant so that proper functioning to the ground making it available as plant food. Eventhand of the Santiam river.

Mrs. Will Morris, 76, Portland, was the oldest guest present and the six-weeks-old son of Mr. and Mrs. Lake Smith, Oregon City, was the solvent of the plant so the root tips, touching every part of the plant so the root tips, touching every part of the plant so the root tips, touching every part of the plant so the root tips, touching every part of the plant so the root tips, touching every part of the plant so the root tips, touching every part of the plant so the root tips, touching every part of the plant so the root tips, touching every part of the plant so the root tips, touching every part of the plant so the root tips, touching every part of the plant so the root tips, touching the leaves should be a new variety from the seed it would only be by a wild chance that the seed and pollenized naturally. Best now to cut the old flower stalks just below soil level and destroy to prevent spread of any disease. A late of the plant so the ground making it available as plant food. Event and clog drainage lines, sale food. Its roots, also, may are assigned in the recent and level, the saving of peony seed advisable?—L.T.

Ans.—No. If there should be a new variety from the seed it would only be by a wild chance that the seed and pollenized naturally. Best now to cut the old flower stalks just below soil level and destroy to prevent spread of any disease. A late of the plant and the six-weeks-old son of Mr. and Mrs. Lake Smith, Oregon City, was the selected president and Mrs. Lula Beringer, Mehama, sectified the plant and the six-weeks-old was conditionally and so that proper functioning tory does not tell us, but it soon became a common pracin the future we may be able tiace—a forerunner of the fish meal and fish emulsion fertil-izers so much used today. Sci-

RIDE ALL THE WAY Thru WITH THE Greyhound Blue!

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GREYHOUND

Planning a new lawn? Work ground this month, fertilize and keep watered to germin-Prune berries of old wood ate native grass and weed free producing fruit. after producing fruit. seeds which can be destroyed
Divide madonna lilies, orl- before planting lawn grass next month.

Fertilize and water existing

Order spring flowering bulbs from your dealer now for planting this fall. Order peonies for planting

#### Morris Clan Reunion

Mill City-Members of the organic fertilizers when in the Morris clan met at the home of frown on laurel as a hedge forest for centuries the leaves Mr. and Mrs. Bert Morris of plant?—E.K.
fell, insects and small animals Mill City Sunday for their anperished, only to return to the ual reunion. A pot luck dinner soil. The rain washed residue was served on the lawn on the

#### Coming Events

#### Questions Answered BY MARK M. TAYLOR

Q—Mr. Taylor, will you ed to insure sturdy growth and please tell me what is to be a good root system. Fertilize, done for snapdragon rust? The plants were put out a year ago this last spring and they stood for sowing seed. the winter just fine. Got them

on the west side and I notice roots from many yellow leaves on my lawn?—R.S. glads.—Mrs. M.M.E.

glads.—Mrs. M.M.E.

Ans.—I. Rust on snapdragons is a serious problem. The rust fungus destroys the leaves, stunts the plants. Fine sulphur divisted on frequently beginning. dusted on frequently, beginning carly, will control it If the condition has been evident for some time, you should destroy the plants and select a new location for planting next time. Septic outlets, too!) Spraying with Bordeaux mix-ture is also effective during growing season. There are rust resistant varieties now on the market that are 75% rust proof! In watering snapdrag-ons, keep foliage dry to pre-

vent spreading. 2. If the gladiolus leaves are yellowing and appear to be dy-ing back you may have fusarium fungus. No way is known except to destroy all infected corms to prevent spreading. Some yellowing may be caused by thrips which may be con-trolled by a spray of one table-spoon Paris Green, 4½ teabrown sugar to 3 gallons of ed? Mrs. B. K.

Q-Some of my rose bushes show wilting of the new growth. What causes this and what can be done for it?—

Ans.-If there are no signs your spray program combatted pioneers of the Unionvale dismildew then you may have a root gall or knot. There are special sprays prepared for this their annual family reunion wilted the new

drop them off anyway but you are helping just that much. Be careful not to remove the new growth buds, too. Had the faded flowers been removed after this problem now.

Q-I want to put in a hedge

I believe. Buy small plants and in the Wheatland district. they will not be too expensive Attending were Mr. lawns, keep grasses growing but will not be too expensive but will grow to the desired Mrs. Fred Finnicum, Mr. and Mrs. Scott Edwards, Mr. and sive but desirable hedge and while not evergreen, it retains its foliage until quite late. Holy makes a heautiful hard. ly makes a beautiful hedge, though a little more expensive. Camellia Sasanqua is gaining popularity as an evergreen hedge plant with flowers, too! Q-Why do so many people

house and found a vine grow

Fertilizer Realm

In the realm of fertilizers, too, history has shown some interesting developments that affect the home gardener. Nature provided an abundance of the provided and the provided abundance of the provided and the provided and the provided and the provided abundance of the provided and the comes through in spring. Flow-ers are often hidden by the large leaves. By all means keep

it unless some other vine suits your purpose better.

Q—What lawn grass mixture do you recommend and the amount needed to cover 9500 sq. ft.?—B.B.
Ans.—Dealers have prepared

mixtures that are fine but if you prefer to mix your own I would suggest ¼ Chewing Fes-cue, ¼ Seaside Bend, and ½ Kentucky Blue Grass. You will need about 24 lbs. of seed for good coverage.

Q-Should you fertilize be-

fore sowing grass seed?—B.B.

Ans.—Yes. Use a 0-4-4 formula. There should be enough itrogen in the soil to take care of starting grasses but phos-phorus and potash will be need-

All-Electric Radiant No Red Hot Wires Ever Marshoul of Salem Inc

Q-How can I keep tree roots from creeping into the

septic outlets, too!)

Q — My Oriental Poppies have finished blooming. What care should be given them now?-R.C.

Ans.—Cut back the bloom stems to a two-inch stub. New growth will start in Fall, so don't be surprised.

Q — What soil should be provided for a garden plant-ing of ferns? — Mrs. R. H.

Q - Are tree peonies Winspoons of tartar emetic (a danter hardy in this area, or if gerous poison) and 1% cups of not what protection is need-

Ans. — They need no pro-tection after the first Winter.

#### Unionvale

Unionvale - Descendants of of aphids or other insects and Mr. and Mrs. Henry Hewitt, purpose. However, it is possi-ble you have forced too rapid a growth and the sudden warm in the Wheatland district.

Mrs. Walter Becker, 78. Portland, was the eldest: little Q—Seed pods have located in month-old daughter of Mr. and on my rhododendrons just month-old daughter of Mr. and ahead of the new growth buds. Mrs. Kenneth Pomeroy of Dayton was the youngest present.

Ans.—Yes, remove them so all energy will go into the new growth. If left, Nature will present. present.

The 1954 reunion will be held at the same place.

Roy Hewitt of Salem is president of the association; blooming you would not have Henry Hewitt, Jr., of Portland, is secretary.

Members and husbands and that will not reach over four several children and one guest feet tall, evergreen and not too expensive to set out. Please recommend.—E.K.

Norman Gubser, attended the annual picnic of the Arrawannah Needle club held Ans.—Boxwood will be most Sunday evening at the Miss satisfactory for your purpose. Maude Williamson state park

Mrs. Glen McFarlane, Mr. and Mrs. James Penland. The next meeting will be Thursday afternoon, August 20 at the home of Mr. and Mrs. James Penland.

Rev. Clyde Dollar who has Ans.—Laurel has an unus-ual root system and will rob gelical United Brothren conadjacent plants of any avail- gregation the last two years

old flower stalks just below soil level and destroy to prevent spread of any disease. a

Q—Recently moved to a new bouse and found a relation of Sentile. of Seattle.

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# Make Do



A discarded section of a picket fence makes a fine ramp for beaching a rowboat on a rock-covered shore where boats are in danger of damage. Picket points can be quickly sawed off and ramp can be anchored with stakes.

#### Hubbard

Hubbard - John Doubrava was taken to a Portland hospital Friday for amputation of Ans. — Any damp ground parts of two fingers of his left in semi-shade or full sun is ideal as they are relatives of the jungle ferns that thrive in such places.

Q — Are tree peonies Win-

awhile. He is employed at the Berkey garage. The George Waddingtons drove him to and

from the hospital. Guests of the George Waddingtons this week are his brother and wife, Mr. and Mrs. John Waddington of Denver,

## Webfoot

Webfoot — Mr. and Mrs. Clarence Warner and their son and daughter-in-law, Mr. and Mrs. Marion Warner and their small daughter, Pamela, of Webfoot district, attended the annual family reunion of the Dey family held at the home of Mr. and Mrs. Lewis Dey near Lorane, Ore., August 2. There were 25 members of

the family present. Mrs. Clarence Warner was the eldest member of the fam-ily present and Pamela Warner was the youngest one at-tending. She was born April

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