

Home and Garden . . .

By Lillie L. Madsen

Bird Baths, Pools, Fountains Now Easy To Install Through Use of Plastic Pipe

BIRD BATH with running water is an easy project with plastic pipe.

GARDEN PLUMBING has become so simplified by the use of plastic pipe that bird baths, goldfish pools, fountains and miniature waterfalls in rock gardens no longer are reserved for greenhouses and public parks. Any man with a kitchen knife and a screwdriver can be his own outdoor plumber.

And you don't have to be a ditch digger, either. A big advantage of plastic pipe is that you lay it merely under the sod and do without worry about freezing. If it freezes, the pipe stretches to accommodate the ice expansion. A depth of 3 to 4 inches is enough to hide this pipe.

So when you wish you had a handy water outlet in some far corner of the garden and you shudder at the cost of installing standard plumbing safely under the frost line, why not do it yourself the easy way with plastic pipe?

THIS MATERIAL is amazing stuff. It is made out of inorganic polyethylene, supposed to last forever since it won't rot. Yet it costs no more than a good grade of garden hose, which no man in his right mind would expect to last more than a year or so if buried and left undrained.

The only hitch is that it seems hard to buy in some places. Dealers have given us various explanations—that it is sold only to plumbers, that it is too new, and that not enough people are demanding it yet. However we notice that it is listed in the big mail order catalogues, so it shouldn't be long before you can buy it any place.

The mail order prices are running 10 1/2 cents per foot for the 3/4-inch size; 12 1/2 cents a foot for 1-inch, plus shipping charges.

But it's really a whiz for performing water tricks around the garden. You hook it up, couple it and handle it very much like a hose. It bends easily around corners, but for a sharp turn you can use a plastic elbow. There are plastic tees, couplings, reducing couplings (to cut down from large to smaller sizes) and adapters to join up with any standard steel pipe fitting.

Stainless steel clamps, put on with a screwdriver, give you a tight joint between the hose and any of those fittings. You can hook an underground line to a bird bath or other fountain directly with an outside hose bib, or faucet. The length of plastic pipe that will come up out of the ground under the hose tap will be flexible enough to permit connecting and disconnecting at will.

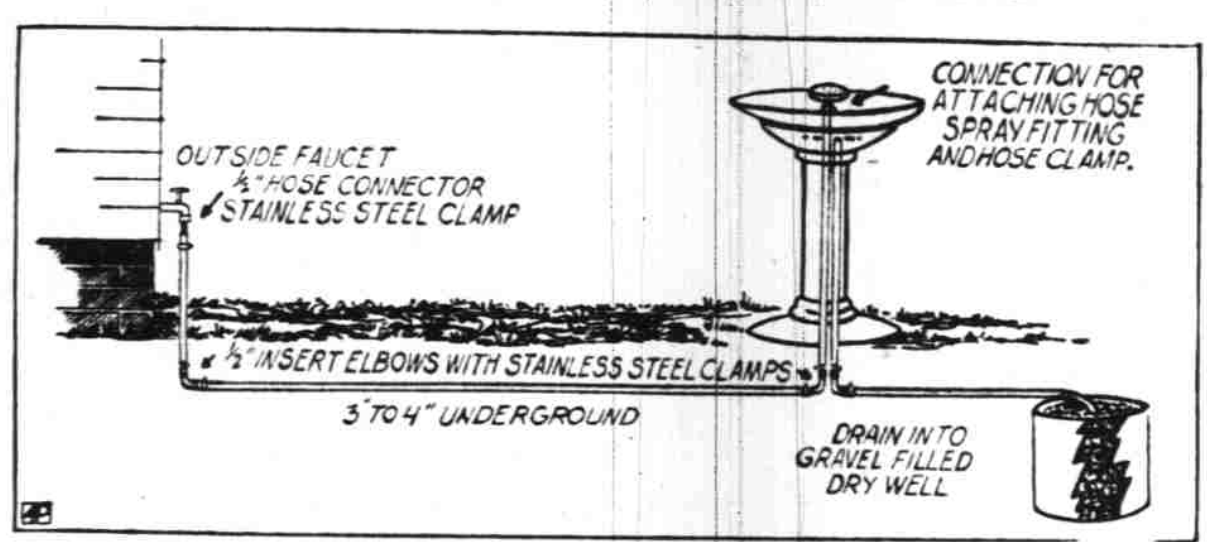
HERE IS AN EASY project to glamorize any backyard—a bird bath. We asked the engineers over at Republic Steel to design this project for us—even though it calls for plastic instead of steel pipe. But it seems that both of these materials are now in the same family and, initially, so we got some free advice.

Take a standard cast concrete bird bath, the kind sold at garden supply places. The pedestal is hollow, making it easy to bring supply and overflow pipes up through the center. If the bowl

has no holes for such connections, it is not difficult to drill holes in it with a carbide tipped drill. The pipe lines can be fitted snugly through these holes by packing them with caulking compound.

The supply pipe can be capped with a small brass sprinkler head and there you have a tinkling fountain. The overflow pipe can extend up about an inch from the bottom of the bowl to keep the water at a desirable depth.

The overflow from this fountain can be directed into a fish pool, allowed to dissipate in the ground, or drained into a dry well—which is simply a hole in the ground below the sod, loosely filled with rocks.



Garden Questions Answered

Question—Inclosed sample of fuchsia. What is wrong? Leaves turn yellow and soon all fall off. Sometimes web forms. This may have disappeared when you get bruch, because it is a very fine web. But just ruins our fuchsias. N.F.

Answer—This is one of the mites—probably spider mite. Am not enough of an entomologist to say which one, but the damage from all is the same and the control is also similar.

The mite does most damage in dry weather, and wet weather rather discourages it. It is not too difficult to control, however. Sulphur dusts, or the new malathion sprays will give good control. Sometimes if it is not too bad, it can be controlled by repeated sprays from the hose nozzle. Water is most discouraging to this pest. The pest itself is quite serious to many of our growers here in the valley during the summer.

Question—Have a lilac bush that we want to transplant, also a holly. They are around four or five feet tall. We are moving about a block. Sold our old home and built a new one. Can these be taken along? They are gifts. S.L.

Answer—If you want to move them now, you should get a professional to do so. However, if you can make an agreement with the new owner, it would be better to move them in mid-November. Take up as much soil as you can handle so that roots are not dried out. Do not plant them deeper than they have been growing—at least not more than an inch deeper. Many shrubs and trees are ruined by too deep planting. Water very thoroughly when transplanted. Provide very good drainage for both of these shrubs.

Question—What makes these holes in our rhododendron foliage. The edges of the entire bush are very badly notched as this leaf indicates. What can we do to improve it? What spray to use? A.T.F.

Answer—Root weevil adults doing damage. Could spray the foliage with a spray containing heptachlor or malathion, fear it might be rather late for this. Better to treat soil with solutions of heptachlor or lindane. Follow directions on container very carefully. The damage to the roots is much more serious than that to the foliage.

Question—Raspberries have finished bearing for this year. When should we cut off old canes. Just have a few in our backyard, but planted variety you told us to, and have followed your cultural advice very carefully. Bushes have been just perfect and we've enjoyed the fruit so much this year. First time we've ever had any fruit of our own. Remember we told you we had both lived in apartments all our lives? Just love our own garden. B.T.T.

Answer—So glad you are enjoying your garden. Cut off now at the ground, the raspberry canes which bore fruit this year. If an awful lot of new shoots are there, you may wish to cut off a few of these, too. Save more than you think you need, however, as sometimes something happens to some. Do not head tops back until late winter.

Question—Some one was telling me about boring holes in trees and putting in a chemical and that this would control insects in trees. Have a large tree on our lawn that is always bothered with insects. Too big to spray. What does one put in holes and how big should they be? C.C.C.

Answer—Don't know how effective this is, but have been told that if a hole is bored into a tree to the heart and this hole filled with sulphur and then plugged, that insects will leave the tree in 48 hours. An eight-inch-in-diameter tree needs about a half-inch hole to the heart. Haven't seen this experiment tried.

Question—Am sending small bag of foliage from crabapple tree. Almost all foliage came off. What is wrong? D.C.

Answer—Black spot, same as affects roses. Is the tree near a rose bed? You spray for black-

spot on the crabapple tree just as you do to control it on roses. One of the all purpose rose sprays is very good. Rake up and burn all the foliage beneath the tree and spray or dust it now before the entire tree is denuded, and then continue your spray program early next spring. Are ventilation and drainage good?

Question—Picked this leaf in



AP Newsfeature
THE FOOT of a ladder should be placed as far out from the house as one-quarter the length of the ladder. This will prevent many accidents, says the Institute for Safer Living.

Tax Men Still Undecided on Nickel Deluge

MT. PLEASANT, Mich. (UP)—"What this country needs is a good five-cent nickel and an Internal Revenue agent who knows how much to charge for it," an expert on the subject of nickels declared Friday.

Internal Revenue Undecided
It was just a year ago Saturday that Mrs. Charles Deibel, wife of a household appliance salesman, was selected on a national television show as the recipient of a shower of nickels that could have made her wealthy.

As it turned out, the shower did amount to a small fortune. The \$8,200 collected in more than 100,000 pieces of mail was almost twice as much as the annual salary of Mrs. Deibel's husband.

Internal Revenue Undecided
But this young couple still doesn't know how much of the money is legally theirs. The Internal Revenue Department has never decided whether to charge the Deibels a gift tax on the \$8,200 windfall, or to consider it as non-taxable, individual five-cent gifts.

"I chew my fingernails down to the quick every time I start wondering whether Uncle Sam is going to nick us in our next income tax payment," the pretty housewife said. "I wish somebody in Washington would decide whether we can save what we have left, or if we must turn it over to the U.S. Treasury."

Neither Mrs. Deibel nor television comedian Garry Moore foresaw the tax difficulty when Moore declared on the spur of the moment during his television show of last Sept. 10, "I think that every-one watching the show should send this nice woman a nickel."

By the time Mr. and Mrs. Deibel and their small daughter returned home from their weekend vacation in New York, the mail was more than they could handle.

"We kept getting mail for four or five months," Mrs. Deibel said. "But now we don't even get a dribble any more—and I'm sort of glad."

The housewife had always wanted an electric organ, and it was the only item on which she splurged. The rest of the money went into the little family's college education fund, where it will re-

main for future use—unless Uncle Sam decides he'd like a piece of it himself.

Hydrocarbon Insecticides Fatal to Birds

By DELOS SMITH
United Press Service Editor
NEW YORK (UP)—The first prolonged and complete scientific study of how poisonous the hydrocarbon insecticides are to birds has shown they are very poisonous, indeed.

For instance, in the 0.005 per cent of aldrin in the daily diet of quails will kill every bird within 42 days. Increase the daily amount to 0.50 percent and you get 100 per cent mortality in four days.

Aldrin is a chemical relative of DDT, which is considerably less toxic for birds as well as for insects. In quails, the addition of 0.020 per cent of DDT to the daily diet resulted in only a 10 per cent mortality in 154 days. But increase the amount by only 0.005 per cent (from 0.020 to 0.025) and there is 100 per cent mortality within 45 days.

The study was made by James B. DeWitt of the Fish and Wildlife Service of the U.S. Department of the Interior and published in a technical journal of the American Chemical Society.

Pheasants Stand Up Better
Pheasants stood up better to the insecticides than quails. As an example, an addition of 0.01 per cent of Aldrin to the daily diet of quails killed all birds in five days. The same amount added to the diet of five male pheasants killed them all in eight days. But the same daily amount fed to five females required 36 days before all were dead.

In general, aldrin was the most rapid killer of quails and pheasants alike, and strobane was the least rapid.

All these were adult birds. In very young birds, minute amounts of the hydrocarbons acted even more rapidly. Ten quails who began getting 0.002 per cent of aldrin in their daily feed when they were one day old died in six days.

DeWitt included 0.02 per cent DDT in the diet of breeding quails. Their eggs were less hatched than the eggs of other quails, and fewer of their chicks were able to survive quail infancy.

Show Extreme Nervousness
Within two hours after eating food containing 0.50 per cent of endrin, adult quails began showing extreme nervousness, severe tremors, and lack of coordination and all were dead within 48 hours. At the other extreme, 0.001 per cent endrin in the daily diet produced no sign of illness in other quails until the 23rd day—but three days later all birds were dead.

At a level of 0.001 per cent, dieldrin produced no symptoms for four weeks. During this time, female birds laid as many eggs as they had before, and the same percentage were fertile. But the hatchability of the eggs fell from 87 per cent to less than 42 per cent.

His experiments had much point because of the continuing controversy over what effect widespread spraying of the hydrocarbon insecticides has on wild life. Insects are sickened by the insecticides—birds eat the insects. And the birds are accumulative—they're stored in body fats, especially the liver. Previous studies had shown that continuing sprayings with DDT reduced the bird population in sprayed areas. But DeWitt's was the first report on how hydrocarbons act upon two representative species of wild birds.

"I think the cuts in our ground forces are unjustified and most dangerous at the present time," The Executives Club is a non-political organization of business men. The audience applauded him repeatedly.

"We are losing the margin of leadership we had built up from a few years ago. The condition of our strength in the air is not the only cause for alarm. Congress recently showed its concern when it voted—over administration opposition—to appropriate funds needed to avoid cuts in the Marine Corps."

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Garden Calendar

Sept. 11-14—Oregon Orchid Society Show, Portland, Meier & Frank Windows.

Sept. 15—Men's Garden Club of Salem, 1st fall indoor meet, YMCA, 7:45 p.m.

Sept. 16—Flower Show, Lyons Catholic Community Hall, Lyons and Mill City Garden Clubs.

Sept. 17-18—Dahlia Show, Masonic Temple, Portland.

Sept. 20—Salem Rose Society, YMCA, 8 p.m.

Sept. 20-21—41st annual dahlia show of American Dahlia Society, Essex House, New York City.

Sept. 22-24—North Marion County Flower Show, Woodburn.

Sept. 24-25—Oregon Trail Council of Garden Clubs, flower show, Pendleton, Lincoln School.

Oct. 1-2—Seventh Annual Corvallis Chrysanthemum Day.

Oct. 1-2—Early English Chrysanthemum Show, Mt. Scott Community Center, Portland.

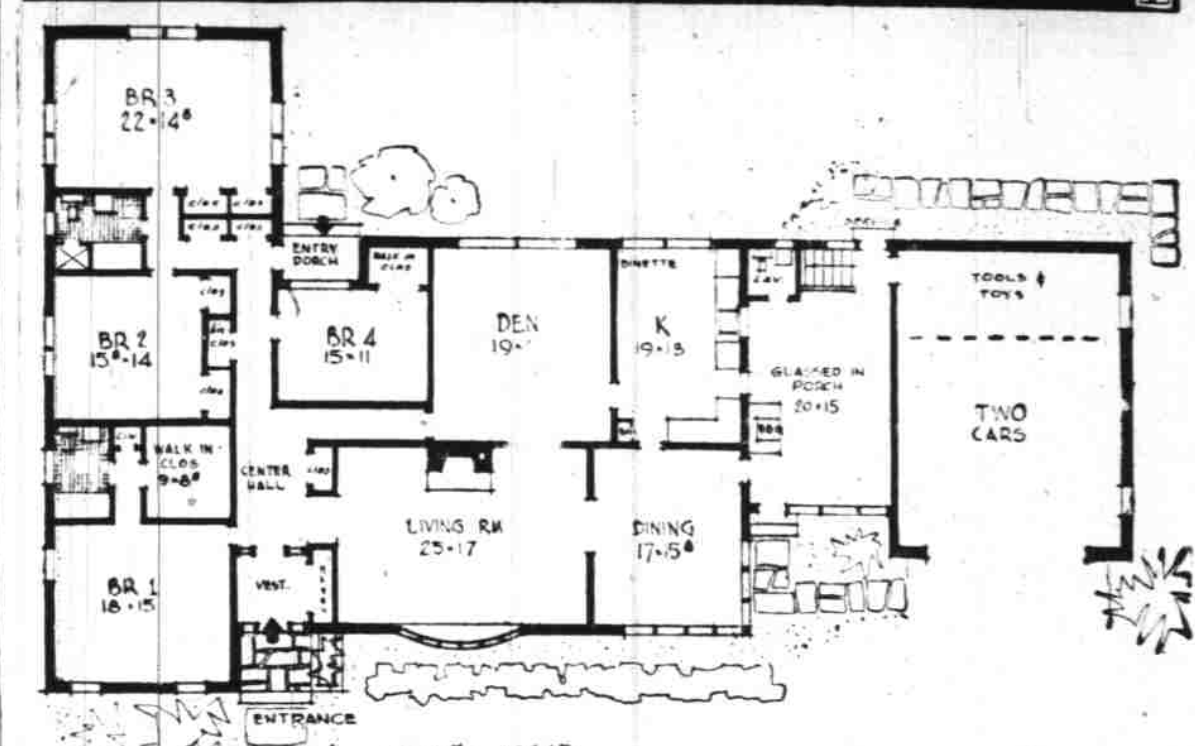
Oct. 1-2—Regional Men's Garden Clubs of America, Corvallis.

Oct. 1-2—Portland Fall Rose show, Information Center.

Oct. 22-Nov. 6—Fair at Basel, Switzerland.

Nov. 5-6—Annual Chrysanthemum show, Chamber of Commerce Visitor's Information Center, 1020 S. W. Front Ave., Portland.

HOMES FOR AMERICANS



AP Newsfeature
SPACE TO SPARE features this luxury house containing four bedrooms, two baths, extra lavatory and two-car garage. A large glassed-in porch with a barbecue fireplace adjoins dining room and kitchen. Another fireplace faces the wide bowed window in the living room. A family room adjoins the kitchen on the garden side. Plan C426AP, designed by Lester Cohen, architect, Archway Press, 117 W. 48th St., New York 36, N.Y., this house covers 3,700 square feet. Overall dimensions are 109 by 64 feet.

Solon Asks ICC to Probe Car Shortage

WASHINGTON (AP)—Sen. Neuberger (D-Ore.) Friday asked the Interstate Commerce Commission (ICC) to look into the boxcar shortage in Oregon and take steps "to correct this critical situation."

In a letter made public by his staff here, Neuberger told Richard P. Mitchell, ICC chairman, the shortage "jeopardizes" many small lumber operations in Oregon.

Although the movement of empty cars from the Northeast to the Northwest has resumed after an almost complete suspension during the New England flood, Neuberger said, next month's peak demand "may bring the most severe shortage experienced this year" by Oregon firms.

He also asked Mitchell to look into reports that the boxcar shortage was most severe in areas served by only one railroad. He said operators located where a competitive situation exists between railroads are reportedly receiving enough cars to fill their orders.

War Prisoner Breaking Point 'Varies With Each Individual'

WASHINGTON (AP)—No two war prisoners—or civilians—have the same breaking point under pressure, the American Academy of Polygraph (lie-detector) Examiners was told Friday.

Charles A. McInerney of the Alhambra County Crime Laboratory at Pittsburg made the statement in commenting on the code of behavior for POWs recently drawn up at the Pentagon and approved by President Eisenhower.

The code requires captured servicemen to say or do nothing harmful to their country or comrades and, to the utmost of their ability, to evade giving any information beyond name, rank, serial number and date of birth.

McInerney, a lie detector specialist, said Americans captured in the Korean fighting have made "obviously false" germ warfare and other confessions "because the prisoners reached their respective breaking points."

The breaking point isn't the same for each individual," McInerney said. "Every experienced polygraph operator has had suspects confess before the test ever began—in some instances because of an abnormal fear of the lie detector."

"Others, even when confronted with guilty responses, will refuse to admit to any complicity in crime—regardless of how skillfully they are interrogated."

The Pittsburgher said it is the people with a "ridiculously low" breaking point who often pose a problem—they'll confess to crimes they couldn't possibly have committed. Sometimes, he said, it's only the lie detector that keeps them out of jail or the electric chair.

McInerney's report came as the Academy of Polygraph Examiners, just being organized to advance lie detector technique and expose quackery by unqualified operators, opened its first annual meeting here.

Jury Indicts 2 Internal Revenue Men for Perjury

PITTSBURGH (AP)—Charles F. Masarik Jr., 44, an official of the Internal Revenue Service here who once was lauded by his superiors for excellent work, was indicted by a federal grand jury Friday on a charge of perjury.

William I. Dolan Jr., deputy collector of internal revenue at Uniontown, Pa., was indicted on the same charge.

The jury claims the men accepted contributions for the Democratic Party, then lied under oath in denying accepting them.

Chain Leases Portland Site

NEW YORK (AP)—J. J. Newberry Co., national chain of variety and junior department stores, has leased a location in the new Lloyd regional shopping center in Portland, Ore., J. E. Nelson, Newberry president, said Friday.

The unit, tentatively scheduled to open in 1957, will represent a total cost of more than \$3,200,000 and will be one of the largest Newberry operations in the United States. The Portland store will cover an area of 80,000 square feet.

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Textile Men Go to School

PHILADELPHIA (UP)—The Philadelphia Textile Institute, established in 1883, provides a special textile education at college level and trains the top technicians for one of America's basic industries.

In this country, the first of its kind in the world, is located on a country club campus in the Germantown section of the city. Inside the buildings, wool, cotton and man-made fibers are processed, carded, blended, woven, dyed and otherwise worked on by machines until finished.

To guide the machines requires men who have knowledge of chemistry, engineering, mechanical processing, merchandising, styling and artistry—just to mention a few skills.

The institute gives its students all these courses, plus all the academic college necessary to the college graduate. For the student is a potential executive.

The monetary rewards for the graduate are apparent from the average starting salary last year. It was \$4,250. This year it's \$4,380 and after four years the average income in the industry is \$5,600. After the 10th year it's \$8,100.

To further encourage the future textile engineer is the fact that during the last four years the job offers to textile engineers have far exceeded the supply of graduates.

Money Earned By Buffalo Herd

PIERRE, S. D.—(UP)—The buffalo herd in Custer State Park in the Black Hills of South Dakota is a money-making so rapidly that it must be continually thinned out to keep it within the capacity of the grazing range.

The meat is sold, and the receipts are the major source of revenue for the park. The meat, which sells at about 30 cents a pound per quarter—brought in nearly \$88,000 last fiscal year.

The hippopotamus of the upper Nile River, often thought of as a harmless, amiable creature, can attack without apparent provocation.

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