

Foliar Feeding Discoveries Made

Maybe we grow by admitting our mistakes. The Atomic Energy commission is beginning to have some interesting releases on atomic energy for peace-time uses. The realm of horticulture is not left out in the progress reports on things about us.

The subject at hand is foliar feeding. It was less than ten years ago that I had formal training in horticulture at East Lansing. Certain physiological plant characteristics emphasized after routine experiments with a compound microscope were the entrance of plant food by osmosis through the roots. In the atomic energy program, Carbon 14 is used to trace benefits of growing material. This is important to us with home garden programs, and especially important to the commercial grower who has to balance costs of nutrients against rising costs of materials and labor.

CARBON 14 material looks like Mom's baking powder. It is used in the hydroponic feeding program of conditioned plants. The rate of reception can be measured by a Geiger counter, due to the presence of Carbon 14, a radioactive material.

Here is the recent report for you to digest. Plants will absorb liquid food through their stems, bark, buds and flowers.

This feeding will move forward at the rate of one inch every five minutes, even in a dormant state.

IN A WET FORM, the fertilizer will be utilized 95 per cent by the plants, while if added in a dry

form in the soil, only ten per cent is utilized.

Some research workers have found that if tetramycin and streptomycin is added to the feeding, there is a terrific resistance to disease and growth is increased. Roses have been reported to have three years' growth in one.

Whoops, just see the rose growers try this stunt next year!

Young, rapidly expanding leaves absorb more nutrients per unit than fully mature wood. Nutrients can be leached out of leaves during a rain, so use

good judgment when you begin the liquid feeding operation.

HOUSEPLANTS HAVE greatly benefitted by this culture. It is suggested that they be given weekly feedings for about three times. Then run a monthly schedule of regular feedings of a liquid fertilizer.

For cuttings, the best results have been by rooting the material in sphagnum moss, soaked in a fertilizer solution.

One conclusion is given on all scientific reports I have seen: This does not take the place of root feeding, and I would certainly continue in the early Spring to don my old winter coat, have a palmetto bucket over my arm filled with fertilizer, and dispense it by an

Judith M. Sappington
Wed in New York City

St. Thomas Episcopal church, New York City, was the scene of the Saturday afternoon marriage of Judith Mary Sappington and Robert Derrick Smith.

Mr. and Mrs. Lewis Byron Sappington of Arlington drive, Birmingham, are Judith's parents. Robert is the son of the William Herbert Smiths of Toronto, Ont., Canada.

REVEREND Frederick M. Morris read the wedding rites in the presence of 75 guests.

The bride was gownned in a

old sapphire gown around each perennial, shrub and tree, making a circle at least six inches away from the "core."

street length dress of cocoa colored alencon lace over beige taffeta designed with V neckline and elbow length sleeves. A short veil fell from her matching lace cap and she carried a spray arrangement of beige cymbidium orchids.

Dorothy Allen of Upper Montclair, N. J., selected a russet velvet gown for her duties as maid of honor. It was styled with scooped neckline and full skirt, complemented by a headband of russet velvet leaves. Beige and bronze fugi mums were combined

GUESTS were seated by Samuel R. Rolston of New York City and Lewis J. Sappington of Detroit, brother of the bride. Best man was F. Dickson Layton of New York City.

Mrs. Sappington pinned a corsage of green orchids to the neckline of her sapphire blue satin dress and selected a sapphire blue hat to complete her ensemble. A pale pink orchid corsage accented Mrs. Smith's navy blue silk suit and her accessories matched her costume.

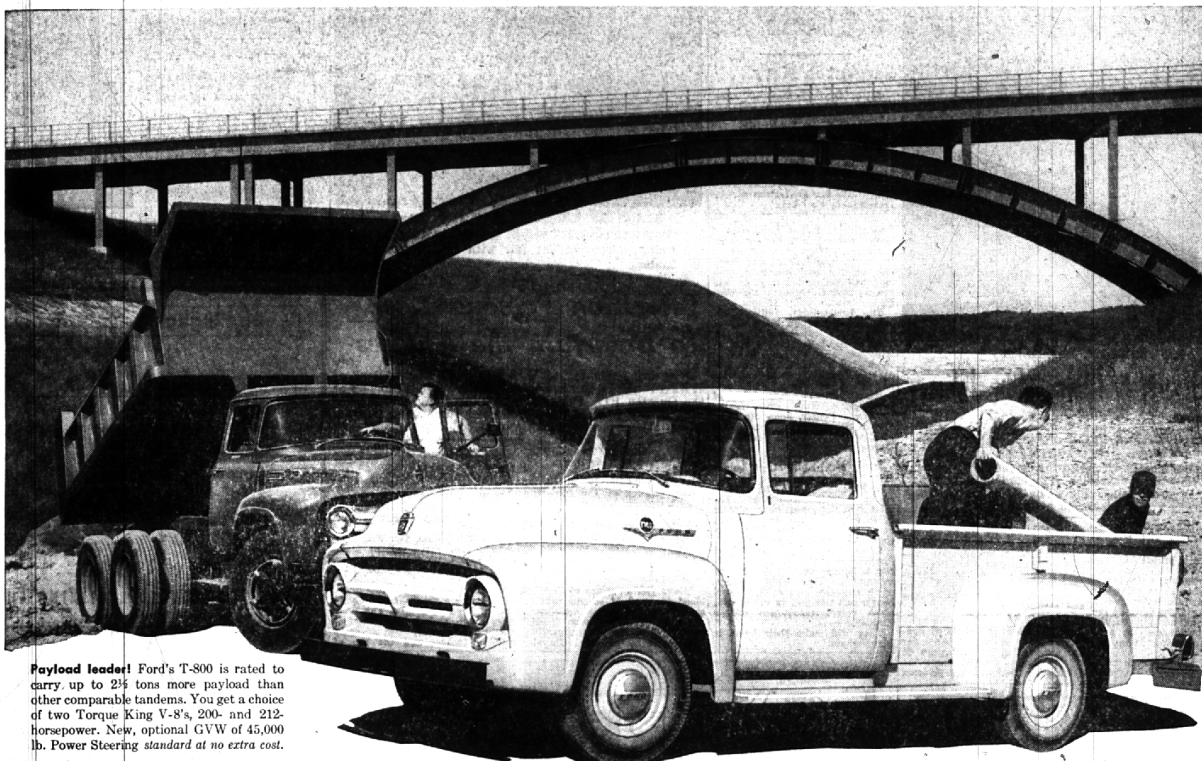
After a reception in the Colony club, the newlyweds left for a New England honeymoon. Blue tuxedo was the bride's choice for a going away suit. They will reside in New York City.

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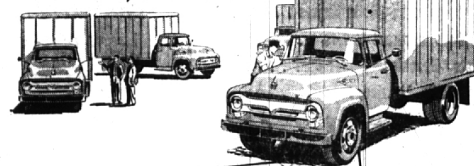
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BONNIE LOU McNAUGHTON
**Miss McNaughton
Engaged to Marry
Roger C. Sullivan**

Dr. and Mrs. Archie Lee McNaughton of Tooting lane ranch, Clarkston, announced the engagement of their daughter, Bonnie Lou, at a family buffet Sunday at their home.

Miss McNaughton's fiancé is Roger Charles Sullivan, son of Mr. and Mrs. Ronald Ballantine of Country Club drive, Bloomfield Hills. He is a senior at the University of Michigan.

The bride-elect is a graduate dental hygienist and is now taking art at Michigan State university.