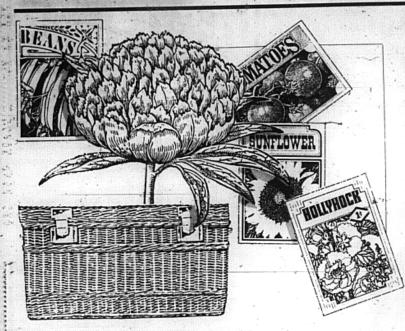
Home/Garden



Heirloom plants maintain history

Jefferson's gardens at Monticello back in bloom again

we celebrate the Fourth of July and the bi-centennial of our Constitu-tion, I can't help thinking of Thomas Jefferson. He was not only the author of our Declaration of Inde-pendence and our third president (who later died on July 4, 1826) he was a great gardener and plant col-

Jefferson's gardens at Monticello have been excavated, and replanted with seeds of vegetable and plant va-rieties that he would have used. Two orgalizations that specialize in pre-serving heirloom plant varieties, the North American Fruit Explorers (10 S. 055 Madison St., Hinsdale, IL 60521) and the Seed Savers Exchange (P.O. Box 70, Decorah, IA 52101) have ed with the Monticello staff to recreate these gardens as accurately

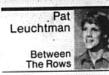
As there are people who wonder about the relevance of our Constitu-tion in our modern world, so there are those who wonder whether there is any value in heirloom plants.

Hybridizers give us bigger, better, more disease-resistent plants all the time, so who needs the old unim-proved varieties? Well, the hybridiz-ers need them. They need to ers need them. They need to maintain as large and diverse a gene pool as possible to dip into, as they cross and recross countless open-pollinated varieties to come up with a ood hybrid. In order to create new good hybrid. In order to create new varieties that are resistent to chang-ing diseases and stresses, nybridiz-ers are always dipping into the gene pool of old varieties. The difference betwen open-polli-nated plants and hybrids is that only open-pollinated varieties reproduce

true to seed. If you plant the Alaska pea as Jefferson did, you will get more Alaska peas. If you plant the seeds you collect from your Celebrity tomato, you may get a very strange plant indeed.

But even backyard gardeners need

Because so much of our food is pro-duced commercially, the hybridizers concentrate on creating vegetable and fruit varieties that mature at the



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same time to make mechanised harsame time to make mechanized har-vesting easier. Commercial growers also want produce that is tough enough to withstand handling and shipping. Sometimes, flavor and tex-ture are sacrificed to these commer-

The old varieties are not necessari-I le old varieties are not necessary ly less desireable; they may be more flavorful, tender and juicy, but more difficult for a commercial grower to harvest and handle.

In New England we have two se In New England we have two seed companies that offer a good selection of heirloom and open-pollinated vari-eties. The Vermont Bean Seed Com-pany (Garden Lane, Fairhaven, VT 05743) used to specialize in beans like the Christmas Lima, Wren's Egg. Soldier and Jacobs Cattle bean, but their catalog now offers all of these. Soldier and Jacobs Cattle bean, but their catalog now offers all of these, plus a full range of other vegetables, berbs and flowers. Johnny's Selected Seeds (Foss Hill Road, Albion ME 04910) offers heirloom beans, Jefferson's Alaska pea and open-pollinated vegetables like Yellow Crookneck summer squash, Blue Hubb winter squash and Oakleaf lettuce Blue Hubbard

Information on heirloom seeds

Rob Johnston, Jr., the president of

Seeds found in wreck of Spanish galleon now reportedly sprouting

By PHILIP J. HILTS

Several 365-year-old seeds that sank with the Spanish treasure galleon Atocha have been brought to the surface and have sprouted, according to an archeologist working

It is an 'extremely unusual occurrence for seeds that old to sprout and almost unheard of for seeds to be brought out of the sea and still sprout, said Dr. David Hall of the University of Florida.

Apparently the seeds — of a variety of weed — were reserved under dried, caked on mud that was packed

preserved under dried, caked on mud that was packed under four heavy planks of the hull of the wreck.

Corey Malcom, an archeologist working on contract with the Mel Fisher Maritime Heritage Society on the wreck, said that he recovered grape seeds, olive and apricot pits, and many other unidentified seeds from the wreck, which lay under 55 feet of water in the Caribbean rear Ken West File.

d and put them in fresh water, one of them sprouted. Eventually four of the seeds sprouted:

He planted all four sprouts. Two of them are still living.

They have been tentatively identified as plants of a variety of weed called beggar's tick, or Bidens Alba. The weed

the preliminary identification from photographs, but said he won't be certain until the tiny leaves on the two-inch

he won't be certain until the tiny leaves on the two-inch
seedling grow out and the plants flower.

There have been other reports of seeds sprouting after
hundreds or even thousands of years, said Dr. Raymond
B. Taylorson, a plant physiologist at the Department of
Agricuture's Beltsville, Md. research station. *
Seeds commonly survive for five to 10 years under the
right conditions, he said. Some with exceptionally tough
outer shells can survive much longer than that.

Seeds of water lotus plants have germinated-after more

outer sneus can survive much longer than that.

Seeds of waiter lotus plants have germinated-after more
than a thousand years of burial in the mud, he said. A Canadian researcher has reported that he found seeds of the
Arctic flower Lupines arcticus that sprouted and grew
healthy plants after about 10,000 years of preservation in
ferces sill.

But Taylorson said scientists would have to investigate thoroughly the germination of the seeds from the Spanish galleon to verify the report. It is rare for seeds to sprout after being immersed in salt water, which kills seeds that

atter being immersed in sait water, which kills seeds that don't have exceptionally water-tight coats.

The Atocha sank in a hurricane 35 miles from Key West in 1622, and its treasure — more than \$130 million in gold, silver and emeralds — was recovered in 1985 by treasure-hunter Mel Fisher and his salvage team.

Garden calendar

This information is provided by the Franklin County Cooperative Extension Service. Now is the time to:

• plan to renew or renovate your

strawberry patch within two weeks after the last berries are picked for the season. To renovate, remove the older mulch and mow over the tops of the plants. Be sure to set your mower high enough to avoid injury to the crowns. The next step is to hoe the beds to remove extra plants, weak plants and weeds. Cultivate between the rows narrowing the rows to 12 to 18 inches wide. If leaf spot has been a problem, apply an appropriate fun-gicide at this time. Contact Franklin County Cooperative Extension for the fact sheet, "Growing Strawber-

nuals to keep them blooming and pinch petunias to encourage bushy

· Japanese beetles are one of the most destructive garden pests which most destructive garden pests writer, feed on over 250 different kinds of plants. There is no way to completely eradicate Japanese beeftles but the following tips may help to protect valuable plantings from Aheir damage. Spray or dist susceptible plants regularly during July and August with appropriate insecticides. Be sure to read and followers. label directions. Remove old flowers, bruised and over ripened fruit to make plants less attractive to beetles. Set Japanese beetle traps at least 10 feet away from plants you are trying to protect, otherwise the beetles may snack on their way to the trans

traps.

• avoid spraying insecticides in the

· Spruce, arborvitae, hemlock, tween the needles

heat of the day or when temperatures are above 85 degrees F. Sensitive growth may be injured.

Sensitive between the properties bambash between the properties and the properties of the day or when temperatures injury as a properties. Sensitive discontinuous properties and the properties of the day or when temperatures injury as a properties.

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Johnny's Selected Seeds has written

a booklet, Growing Garden Seeds (\$2.50) that gives full directions for growing plants for seed, including how to harvest, clean and save the seed.

The Seed Savers Exchange pub

lishes a Garden Seed Inventory, a catalog of catalogs. This volume lists 39 American and Canadian seed cat-

alogs and the nearly 6,000 open-polli-nated seed varieties they carry including full descriptions and cul-fural requirements of each plant. A softcover edition is available for

Write to The Seed Savers Ex-change to see how you can partici-pate in their work by adopting an

heirloom plant or two, keeping it under cultivation and distributing the seed to other interested gardeners.

Seeds must be grown or, even when kept under the most ideal conditions as they are at the National Seed Stor-

kept under the most local condutors as they are at the National Seed Stor-age Laboratory in Fort Collins, Col-orado, they will lose their viability. Some would be interesting to grow just because of their names. I love

the idea of the Moon and Stars water-melon and the Mortgage Lifter tomato. You can help to maintain the

genetic diversity of our food crops, a vital task, while you have some fun and enjoy some good eating.

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