



SANDRA JEAN BERNAT

To be Symphony soloist July 6. (Eccentric Photo)

## Student at Eastman Is Symphony Soloist

An 18-year-old Birmingham girl will be guest soloist with the Detroit Symphony orchestra July 6 in its open air concert at the Fairgrounds.

Sandra Jean Bernat, daughter of Mr. and Mrs. Saul Bernat of Pierce street, will play the Mozart Concerto for violin and orchestra in A Major, No. 5. Symphony program will open with Brahms Academic Festival Overture and will include the full symphony in E Minor, No. 5, by Dvorak.

A JUNE, 1953 graduate of Birmingham high school, Sandra is currently a scholarship student at Eastman school of Music in New York. She began her music career at the age of seven and has studied with Mischa Mischakoff, concert master of the Detroit Symphony.

Sandra was winner of the high school 1953 talent Show and a Birmingham musicale scholarship in 1952. She also was recipient of the Kate Chase award for study at Lake Chatouqua, New York, given by the National Federation of Music clubs in 1953.

### NATURE NOW

## Laboratory Mishap Proves Very Costly

By LYDIA KING FREHSE  
Special Writer for The Birmingham Eccentric

On a summer day in the year 1869 a French scientist was experimenting in his laboratory at Medford, Mass. His subject—the gypsy moth, which he had imported from his own country. A slip of the hand and swift wings escaped the confines of a cage.

And so began a drama which has already cost the United States more than 26 million dollars in tree losses, plus the added expense of maintaining a control and quarantine program which also runs into six figures.

Since its accidental escape the gypsy moth has infested the New England area with repeated outbreaks in New Jersey, Pennsylvania and New York. In its larval or caterpillar stage it will defoliate a wide variety of trees and shrubs causing injury and death.



Mrs. Frehse

Thus far the Michigan infestation seems to be confined to the Lansing area. A letter on my desk from the office of George M. Little, state director of agriculture, reports that the state has just completed spraying (by airplane) some 104,000 acres. This includes a buffer zone outside the infested area and is but the beginning of a \$150,000 state-financed emergency campaign against the invasions of the gypsy moth.

SPRAYING is now being followed by a test-trapping program which will extend over 1 1/2 million acres. This procedure will determine the efficiency of the spraying procedure and will serve to locate any other infested areas which may have escaped detection.

The traps, used are made from salvaged tin cans baited with sex attractant; an extraction made from the last two abdominal segments of the virgin female. This is placed in the trap which is previously lined with sticky material. Thus attracted, the male will enter through a cone-shaped screen covering one end of the can. The bait is effective within a radius of one half mile or more.

The traps are hung by wires spaced uniformly throughout the zone to be surveyed. They will be placed in the field this week just before the moth flight begins and will be removed by late August or early September. Traps must be inspected every seven to ten days to count and remove moths, and to renew the sticky linings.

The program will continue throughout the winter with more scouting surveys in the trapping areas as well as in localities where infestation could be started by the importation of egg masses or living larvae particularly by vehicles of all types. Main highways, population centers, recreation areas and carrier terminals are important inspection targets.

THE LIFE cycle of the gypsy moth is typical of insects which pass through four stages. During late July and early August the female deposits some 400 eggs on bark, lumber, stones, freight cars, automobiles or any surface within reach. She then covers them with a light buff-colored coating of hair and scales which looks like felt.

Eggs remain for the winter months. The hatching process begins in late April or early May. The resulting caterpillars with

and the cycle is complete.

SINCE THE female is heavy bodied and incapable of sustained flight, she lays her eggs close to the place where she issues as a moth. Most infestations occur when the objects carrying the deposited eggs are shipped or moved to new locations.

The disease is also spread by the young caterpillars which are equipped with hollow hairs so that they have been known to drift cross-country with the wind for a distance of thirty miles and to altitudes a third of a mile high.

Since 1946 DDT has been used extensively as a spray by the authorities in charge. The use of an oil solution at a concentration of 12% applied at the rate of one gallon per acre is most effective.

The gypsy moth is subject to both state and federal quarantine. Its presence in Michigan could present a most serious problem since it could hold up shipments of any products stored out-of-doors (including automobiles), until they

have been inspected and found free of infestation.

THUS FAR no preventive program has succeeded in stamping out the gypsy moth in the U.S., although it has been eradicated from many infested areas and its spread in the New England states has been greatly curtailed.

No eradication program can succeed without the full co-operation of the general public. It is therefore to be hoped that all of you reading these lines will familiarize

yourself with each stage of the life cycle of this dangerous moth. It is of urgent importance that you report any trace of its presence to the State Department of

Agriculture at Lansing.

Since much of the wealth and beauty of our state lies in its trees, both the cost and effort of preserving them from enemies is well-spent.

PARKING AREA FOR YOUR SHOPPING CONVENIENCE

# FURTHER REDUCTIONS!

Our Entire Stock

## SUMMER COATS

**\$18** **\$24**  
Orig. 29.95 Orig. 39.95

SAVE VACATION DOLLARS  
ON THESE SHORT AND REGULAR  
LENGTH SUCCESS COATS

Every travel-perfect coat in our stock REDUCED EVEN FURTHER to save you money! White or pastels in all lengths. Sizes 8 to 16, 7 to 15.

Jacobson's

BIRMINGHAM

Jacobson's

BIRMINGHAM

Jacobson's

BIRMINGHAM

Cut a playful summer caper with gay cotton pants

on your fun-filled Fourth of July weekend, and every chance you have to get in

the sun. Short pants, long pants,

just-in-between pants in plaids, pastels

and sultry sun colors!

Just three from our collection . . .

Left: Cotton baby cord

Bermudas in grey, blue or brown. 3.95

Center: Side-laced cotton twill

trouser pants in pink, aqua, black,

orange or navy. \$4.

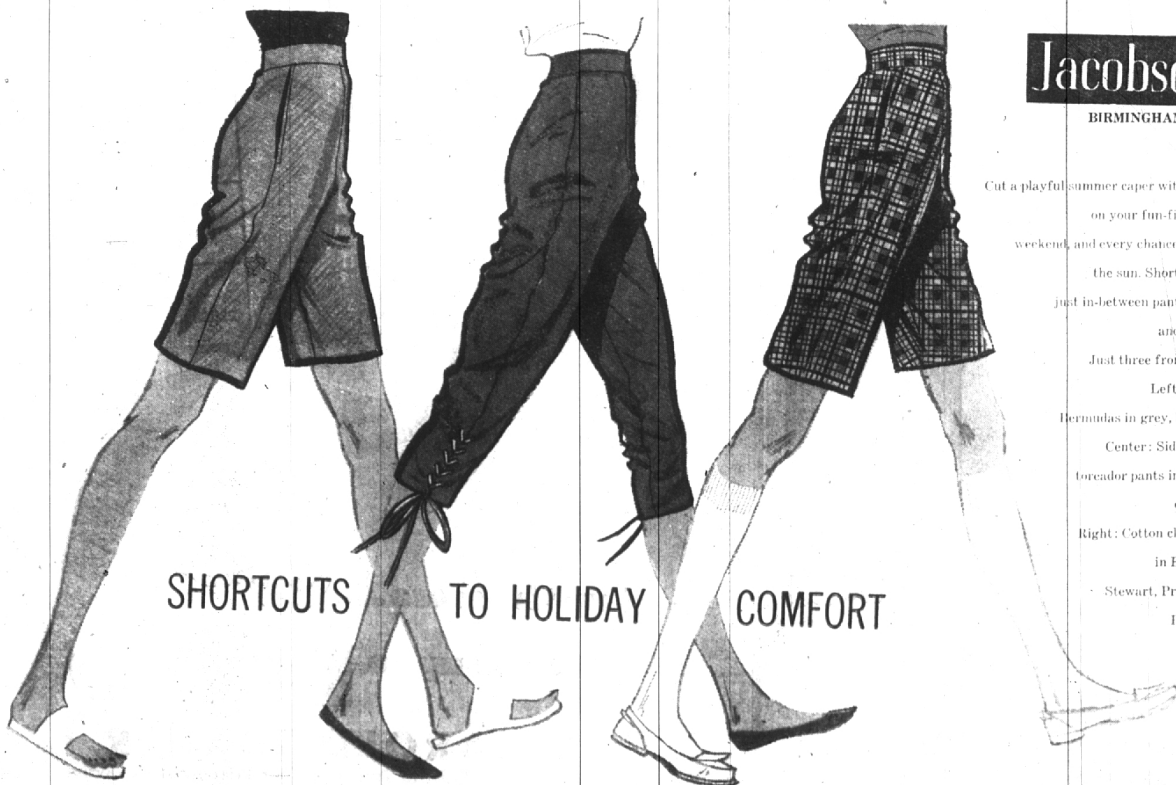
Right: Cotton clan plaid Bermudas

in Black Watch, Royal

Stewart, Princess Margaret or

Princess Mary. 5.95

Sizes 10 to 16.



SHORTCUTS TO HOLIDAY COMFORT

Use Your Charg-Plate® at Jacobson's

SPORTSWEAR STREET LEVEL