

# Horticultural News

## Moisture for Grapes Is Shown to Be Important

There is an old saying to the effect that it takes five years to produce a grape vine. I have found that this is generally true where the grapes are allowed to grow under ordinary conditions, says a writer in the *Successful Farming*. Where they are given plenty of moisture the first two years, however, the time can be materially lessened and the vines brought to bearing a season or two sooner than where they are allowed to shift for themselves.

Three years ago, I set out two dozen vines for the purpose of supplying the family table with grapes. Most of these were trained along the garden fence where they were given only ordinary care during the growing season. Three vines, however, were trained over a trellis near a chicken house. It happened that whenever the water pans in the poultry house were emptied that I always threw the water around the roots of these three vines. One of them, which was more convenient than the others received more of the water.

These three vines outgrew the others, so that there was no comparison. In fact, one season's growth was equal to two for those having ordinary care. The one vine having more moisture than the others came to bearing the third season, and it produced as good a crop as any fully matured vines you ever saw.

The explanation is in the fact that grapes need a lot of moisture. When they are fully matured the roots have tapped the subsoil where they have an abundant supply at all times. Where the vines are supplied sufficient moisture while the roots are getting down to the subsoil, they will also make growth and hasten their production time.

## Spraying From Ground to Kill Apple Aphids

Entomologists at the New York experiment station assert that it is extremely difficult to control aphids on apple trees unless a systematic method is followed in spraying each tree. In experiments conducted in apple orchards in western New York, it was found that when spraying was done from the top of the spray tank the results were quite uncertain, due to the fact that the insects congregated on the lower branches of the trees, where the spray mixture failed to reach them. At the same time, in orchards where the station spray system was followed, in which the spraying was done from the ground and under the trees, practically complete control of the pests was accomplished.

In the station method, the spray drift is equipped with a sufficient length of hose to enable the nozzle man to work from the ground and under the tree. He then takes up certain designated positions in spraying each tree, which insures the spray mixture reaching the under side of every branch and twig. By moving from place to place, and by maintaining a pressure of at least 200 pounds at the spray tank, it is claimed that each tree can be completely covered in a relatively short time. The station tests and spray system are fully described in Bulletin 487, which may be obtained from the station free of charge.

Orchard Is Benefited by Flock of Chickens

Writers on poultry topics all tell us that poultry and fruit go well together. Very few who have given the matter a really true and honest trial say anything other than that it is the best combination yet tried out by poultry enthusiasts.

Men who have for years followed the growing of fruit and chickens on the same ground testify to its being an ideal combination, says the *Indiana Farm Guide*. It is quite reasonable to assume that an orchard of fruit trees will be greatly benefited by being used as a poultry range. A nearer ideal place for rearing chickens is hard to find. The shade of the trees is essential for the welfare of the poultry when the weather is hot. Nature has given us no better place for young chickens and laying hens than an orchard, during the summer season.

Chickens will do an immense amount of work in ridding an orchard of insect pests. Chickens and lavers are all engaged in chasing the insects. The poultry droppings are highly beneficial to the orchard. Those who use the orchard as a poultry range tell us that very noticeable returns can be seen due to the addition of droppings to the soil.

## Strongest Objection to Alfalfa as Cover Crop

The strongest objection to alfalfa as an orchard cover crop is that the grower is apt to turn the orchard into a hayfield, that is, he is tempted to harvest two or three hay crops each year, and to keep this up for several years. When this is done, it is done at the expense of soil fertility, and the soil effect will soon appear in decreased yield and poor quality of fruit.

# IMPROVED UNIFORM INTERNATIONAL Sunday School Lesson

(By REV. P. B. FITZWATER, D. D., Teacher of English Bible in the Moody Bible Institute of Chicago.)  
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## LESSON FOR AUGUST 19

### STEPHEN, THE MARTYR

LESSON TEXT—Acts 6:1-7:60.  
GOLDEN TEXT—"Who shall separate us from the love of Christ? Shall tribulation or distress or persecution or famine or nakedness or peril or sword?"—Rom. 8:35.  
DEVOTIONAL READING—Rom 8:31-39.

PRIMARY TOPIC — How Stephen Showed His Love for Jesus.  
JUNIOR TOPIC — Stephen Speaks Boldly for Jesus.  
INTERMEDIATE AND SENIOR TOPIC—The First Christian Martyr.  
YOUNG PEOPLE AND ADULT TOPIC — Spirit of Stephen in the Modern Church.

#### 1. Stephen, the Deacon (6:1-8).

The early church was threatened with dissension over suspected partiality in the distribution of alms. Up to this time it would seem that the apostles did all the work. In view of such burdens, perhaps some things had been neglected. However, the church proved itself capable of meeting the exigency. A congregational meeting was called; the case placed before the church and the church instructed to select seven spirit-filled men of good reputation to administer the temporalities of the church, giving the apostles the necessary time for prayer and the ministry of God's word. Thus we see how that the Spirit-guided church was able to solve its own problems, and how church government developed. Just as the deacon's office sprang out of this dissension, so new needs called forth new officers. Among the seven deacons, Stephen had first place. While engaged in his duties as deacon, he sprang into the light as an eloquent and powerful preacher. So mighty was his ministry that the number of disciples greatly increased; even many of the priests believed.

#### II. Stephen Before the Council (6:9-15).

1.—Disputing With Stephen (vv. 9, 10).  
Certain foreign speaking Jews took the lead in this controversy. Perhaps the fact that Stephen was a Grecian Jew provoked them to the act. He was more than a match for them while the debate was carried along the lines of reason and Scripture.

2.—Charged With Blasphemy (vv. 11-14).  
They trumped up this charge and endeavored to support it by secretly finding and inducing men to perjure themselves in their testimony. Stephen showed in his preaching that God's purpose was progressive and that the policy instituted by Moses should be superseded by the new faith, since this was the culmination of what Moses began. He showed that the old dispensation would be superseded by the new and that the church would come into the liberty of Christ.

3.—Stephen's Face Transfigured (v. 15).  
He was so completely filled with Christ that his face shone as the face of an angel. It was Christ shining through him.

III. Stephen's Defense (7:1-53).  
In refuting their charge he showed by the history of God's dealing with the Jews that they had always resisted Him. Therefore their present attitude was because they were unwilling to move forward with the divine purpose. As pointed out by Stifter four points stand out in his defense:

1. God's dealings with the Jews showed progress. The end was not reached by a single leap but by gradual stages.
  2. The temple was not the only holy place. God appeared at different places and at different times.
  3. Israel invariably opposed God as He tried to lead them on.
  4. He showed his loyalty to Moses by constantly referring to him.
- IV. Stephen Stoned (7:54-60).
- 1.—Looked Steadfastly Into Heaven (v. 55).  
This was the secret of his calm. If he had looked about him he might have been afraid.
  2. He saw the glory of God.  
A vision of God's glory can only be seen by those who are loyal unto Him, even unto death.
  3. He saw Jesus standing on the right hand of God. The fact that Jesus was standing shows that He is actively interested in the suffering of His faithful witnesses.
  4. Cast him out of the city and stoned him.
  5. His prayer (v. 60). How like that of Jesus on the cross. Christ so completely filled him that he could thus act.
  6. He fell asleep (v. 60). The Christian's death is only a sleep. This sublime scene must have vitally affected Saul who was consenting unto his death.

#### In Great Books.

We find little in a book but what we put there. But in great books the mind finds room to put many things.—Joubert.

#### Are Little Men.

Those who follow that part of themselves which is little are little men.

#### Fear.

Fear is more painful to cowardice than death to true courage.—Sir P. Sidney.

# TWO-PIECE OUTFITS; ON CORRECT CORSETTING

WHEN in the course of fashion events it becomes necessary to declare one's independence of newer modes in order to retain a style that is becoming, comfortable and altogether charming, the declarer may well consider those waist-and-skirt, or blouse-and-skirt combinations that are now so popular, and apparently are destined to play a considerable part in later fashions. Certainly these outfits provide a common-sense answer to the desired qualities of simplicity, charm and comfort in summer costumes, and

participated and provided for. Corsets now must be snappy, comfortable and sanitary—made so that they can be kept clean—and they must add to the comeliness of the figure, without hampering or injuring it.

Gradually the low-top corset, like that shown in the illustration, has replaced the old-style model, which extended above the waistline to the bust. The low-top corsets or girdles are in general demand and have everything to recommend them—they do not interfere with one's breathing apparatus



TWO DISTINCT VARIATIONS OF THE MODE

they permit so many individual treatments that they do not become monotonous.

The two outfits shown here represent two distinct variations of this mode. The all-white costume at the left is made in the simple slip-over pattern, with round neck and perfectly plain waist, that extends over the plaited skirt. It is finished at the waist with a belt of the material. A monogram is embroidered below the pocket.

Chinese embroideries provide the inspiration for the all-over design shown on the blouse at the right. The pattern is worked out in jade green and light blue against a background of white crepe-de-chine. The straight plaited skirt is of green crepe-de-chine

in the least, they are cool, and elastic, so that they give to the play of muscles while they support the figure correctly.

Cotton and silk brocade, surgical webbing and elastic are the mediums used by corset makers mainly. Corsets for special purposes, as well as regulation styles, are turned out by the manufacturers. For sports and athletic requirements there is the corselet and there are girdles of various sorts.

Both the front and back-lace corsets have their devotees, with back-lace outnumbering the front-lace fans somewhat. With the modern corset it is necessary to wear a brassiere, and these are made in considerable variety,



THE LOW-TOP CORSET

edged with two bands of white. The collar and short sleeves are finished in the same shade of green as that in the skirt.

Hats and accessories are chosen with the idea of being in complete harmony with the costume. The young lady in white has a parasol covered with ribbon petals and wears a close-fitting milan hat trimmed with two large ribbon rosettes posed at the front. The hat at the right is of white crepe de chine trimmed with a band of the same material edged with French knots of green silk.

Whoever doubts the progress of women in artistic sense, and in good common sense, has only to study the history of corsets for the last decade or so. Women have grown discriminating, exacting and sensible in their demands of corset makers and corset making has more than kept pace with them. Their needs are ap-

light-weight brocades, or heavy laces, of webbing and of lighter materials. The newest ones have diaphragm supports introduced in the design and are anchored to the corset, so that they will stay properly adjusted. A very pretty, fancy brassiere of plaited crepe, overlaid with embroidered chiffon, is shown in the picture.

The very foundation of good style in dress, is proper corsetting. It is marvelous how much can be done to make the figure trim and gracious by choosing the right corset, and the new models have done much toward the success of the straight-line and artistically-draped dresses that distinguish the modes of today.

Julia Bottomley

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# Motor to Church in Comfort

The Chevrolet 5-Passenger Sedan is most popular for family use, because it affords comfort, weather protection and the home atmosphere all the year 'round for five people—yet may be economically operated with only one or two passengers.

Its power, reliability and low up-keep appeal to men. Women like its handsome lines, fine upholstery, plate glass windows with Ternstedt regulators, and fine finish.

Everybody appreciates its great value at \$860, f. o. b. Flint, Mich.

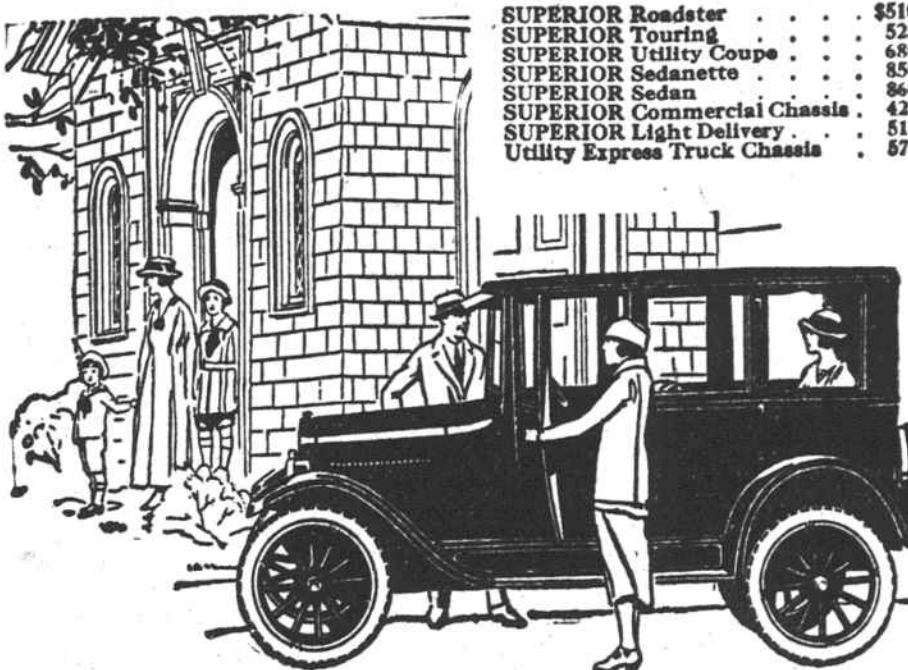


**SUPERIOR 5-Pass. Sedan \$860**

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SUPERIOR Sedan	\$660
SUPERIOR Commercial Chassis	\$425
SUPERIOR Light Delivery	\$410
Utility Express Truck Chassis	\$720



**Chevrolet Motor Company**  
Division of General Motors Corporation  
Detroit, Michigan

#### The Way It Was.

"A girl over beyond Mt. Pilzgray ran away with a feller night before last and got married," related Gap Johnson of Rumpus Ridge. "She's got a father, three uncles, two gran'fathers and four brothers, all of which took down their guns as soon as they heard about it, and—"

"Great grief!" ejaculated his hearer. "And follered 'em and shot 'em both to pieces?"

"Not prezily. In fact they all went over and shivared the young folks as soon as they got back from marrying."

—Kansas City Star.

#### Cruel Words.

The wife had been away from home all afternoon, and when she returned her husband was reading. She dropped wearily into a chair and closed her eyes for a rest when her husband began to ask questions.

"Oh, don't talk to me," she begged, "I'm so tired."

"I wanted to rest myself," he returned, "but was kept from doing so by the noise you made."

"I was away," she said.

"But there were echoes," he returned.

#### Why Not?

##### Oversight by Christopher.

"I can't get any appropriation for my voyages," complained Christopher Columbus.

"You're going about it in the wrong way," confided the accomplished courtier. "Intimate that you will start with a trial trip and a pleasant time will be had by all."

##### Won't Change Woman's Dress.

Scientist—Some day the earth will become so cold that man will not be able to live upon it.

FoZZleton—Yes, but I suppose the women will go on dressing just about the same as they do now.—New Bedford Evening Standard.

# Ever stop to think of this?

We are what we eat!

It's a startling fact, yet a simple truth. This is the reason every one should know that his food is really nourishing—not merely filling.

Grape-Nuts—made from wheat and barley—is one of the few cereal foods that includes the vital mineral salts so necessary for supplying proper nourishment for nerve and bone structure.

In Grape-Nuts, too, is retained the important vitamin-B of the wheat.

No food has greater influence in strengthening the body of a growing child than Grape-Nuts. And remember, children need the very best there is in the way of nourishment.

Grape-Nuts is just as delicious as it is healthful, whether served right from the package as a breakfast cereal with milk or cream, with fresh or stewed fruit, or made into an appetizing recipe. Try the suggestion given below.

**GRAPE-NUTS ICE CREAM**  
Prepare plain flavored ice cream in the usual way. Just before the cream hardens in freezing, add Grape-Nuts as it comes from the package, in the proportion of one-half cup of Grape-Nuts to one quart of ice cream. If you buy ice cream ready-made, add Grape-Nuts in place of nut meats. You'll find the resulting flavor unique.

**Grape-Nuts**  
Made of Wheat and Barley  
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**A FOOD ECONOMY**  
Containing the richest nutritive elements of cereals, Grape-Nuts is a most economical food. Buy Grape-Nuts in bulk to save money. **Buy Grape-Nuts in Bulk!**

Where you don't find Grape-Nuts, you won't find people—  
**"There's a Reason"**