

THE ROAD AHEAD.

What shall we find in the road ahead As we go around the turn? We cannot tell till we reach the curve For people never return.

WHAT SHOULD CONSTITUTE AN EFFICIENT BLACKBOARD

The department of public instruction announced that the visual education committees at the State teachers' colleges and normal schools have developed a blackboard technique that should be the means of improving instruction in the schools of the Commonwealth.

- 1. For diagrams, sketches, drawings, decorative work. 2. As a screen for still projection—map outlines, picture and symbol, fade-outs. 3. For outlines, summaries, directions. 4. As a substitute for the bulletin board.

Quality and color—Should be natural, dark-colored, slate, free from defects, and with a surface that takes crayon well.

Dimensions and location—Should be 42 inches wide, and placed in all available wall space of the classroom except on the window side.

Care—Keep boards clean and in good condition. At the end of each day, rub boards down with soft, dry cloth, and remove all dust from crayon trays.

Among the underlying principles mentioned are: 1. All blackboard work should be—

- a. Related to information or instruction. b. Definite, accurate, purposeful and positive. c. Clearly visible to students. d. An expression of teachers' and pupils' best.

Rapid sketch work should be accurate. 2. Time can be saved and distractions avoided by placing material, to be used by class, on the board in advance.

- 1. Regulate lighting so as to avoid glare. 2. Teachers should stand to one side rather than in front of work when using blackboard. 3. Write and draw legibly. 4. Use eraser or cloth rather than fingers in correcting errors. 5. Keep boards free from cluttering or miscellaneous collections of materials.

"Don't Slow Down While Passing Cars."

Hesitation of motorists in the act of passing another car on the highway especially when abreast of the other car, is dangerous and provocative of accidents, says Captain Wilson C. Price, superintendent of the highway patrol.

"Motorists before attempting to pass another car, should make sure that they have sufficient clearance ahead to do so safely and, after signalling their intention to pass should proceed to do so at accelerated speed," Captain Price said.

File Requests for 700,000 Seedlings.

Applications already have been received from 800 private land owners for almost 7,000,000 forest tree seedlings to be planted this spring, according to a statement issued by State Legislature.

The trees in the State forest tree nurseries are sold for \$2 a thousand, packed and delivered to the shipping office nearest the nursery. Definite instructions are furnished to each planter.

SPROUL FORESTS RICH IN EARLY LEGENDS

Harrisburg—The Sproul State Forest, located in Clinton and Centre counties, has many places of historic and legendary interest according to a report recently submitted to the Pennsylvania Department of forests and Waters by District Forester Charles Hogeland.

Fernando Munoz, a soldier of the Spanish Royal Guard, later Señor Don Augustin Ferendo Munoz, to whom Queen Regent of Spain, Mary Cristina, became deeply attached and in 1833 married, was given the title of the Duke of Riansares.

After the death of Ferdinand VII the queen mother, Maria Cristina, endeavored to extend the power of her daughter, Isabella II who had succeeded to the throne of Civil War, Isabella, to protect her estate sent a large sum of money to America to be invested. John and Christopher Fallon were appointed her agents here.

In 1830 William P. Farrand located and developed several coal mines, and laid out the town of Farrandsville, along the Susquehanna, five and one-half miles above Lock Haven. It was planned to ship coal to eastern markets by means of canals, and steamboats which plied the river at that time.

Among the buildings erected by the Queen were two of great magnificence. They were placed on the mountainside overlooking the river near Farrandsville.

Despite the thousands of dollars of the private fortune of Isabella II which were spent in these various projects, they were destined to fail. The iron ore was of poor quality and the coal veins were thin.

Mrs. Coolidge Has Her Joke; She Must 'Obey' Till March 4.

Sea Island Beach, Ga.—Mrs. Coolidge showed today that she has quite as keen a sense of humor as the President himself.

At the time of a ceremony at which the President dedicated an oak on the lawn at the Hotel Cloister, Mr. Coolidge sent for her while she was in the hotel. The messenger was Roy A. Baker, proprietor of the establishment.

Changes Sought in Fish, Game Laws.

A proposal to advance or postpone the opening days of the fishing and hunting seasons so that they will not occur on Memorial Day and Armistice Day is being backed by the Minnesota department of the American Legion.

Wild Life Damage Being Studied by Experts

Among the events of the past year to which the Chief of the Bureau of Biological Surveys points with satisfaction in his annual report to the Secretary of Agriculture is the opportunity now afforded by congressional legislation for more extended research in the relations of wild life to forestry—that is, the effects of birds, mammals, and other forms of forest production.

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Considerable attention has been paid to the porcupine in the course of this work. These studies have demonstrated that the porcupine is seriously important from the economic standpoint, and that where it is abundant, control operations may be needed.

In certain parts of the Southwest porcupine damage is probably second only to that caused by fire and mistletoe. The porcupines damage the tops of the larger trees and peel or girdle the trunks so the tree is either killed or the top deformed.

Outlines Income Tax Deductions. Deductions from the gross income allowed car owners under the regulations of the Federal Bureau of Internal Revenue on account of automobile ownership and operation are outlined by the American Automobile Association as follows:

All sums paid out for registration fees, drivers' licenses, State personal property taxes and municipal taxes may be deducted. The gasoline tax may be deducted when it is a "consumers' tax" under the State law, but not when it is a "distributors' tax."

Interest on money borrowed for the purchase of an automobile is deductible, irrespective of whether the car is used for business or pleasure.

Loss sustained by reason of damage to a passenger automobile while being used for pleasure is deductible. If a motorist pays damages for injury to a pedestrian, the amount is deductible, provided that, at the time the injury occurred the car was being used for business.

Loss sustained when an automobile used for business purposes is traded in for a new car may be deducted. The amount paid for insurance on automobiles used for business purposes is deductible and also the amount of finance charges on a purchased car which covers interest and risk on the loan, but not the amount covering the premium on insurance to protect the finance company's interest.

Visiting Sick is Held as Part of Minister's Duty. A minister of the gospel, killed or injured while enroute to visit a member of his church who is ill, is acting "in line of duty" and comes under the benefits of the Workmen's Compensation Act.

This ruling was made by the Workmen's Compensation Board which affirmed an award made by a district referee to Ella R. Headlee, of Homer City. Her husband, pastor of a church there, was overcome by carbon monoxide gas while making adjustments on his automobile.

Nanty-Glo's Evidence of Waning Prosperity. From Nanty-Glo, Pa., Journal.

In mentioning the big drop in postal revenue at the Nanty-Glo office in the Journal a few weeks ago, it was intimated that the coal companies bought their postal supplies elsewhere, through their head offices. Postmaster Cornely denies this, stating that all the local coal companies bought their stamps here, in fact that they were the best patrons the office had.

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FARM NOTES.

A profitable orchard is one which is pruned, sprayed and cultivated. —The farmer who sows clean seed will reap, but the farmer who sows foul seed will weep.

—Keep in touch with your State college of agriculture for new and promising plant varieties. —On old land it is recommended to spread the lime on top after it is plowed and disk it in so it is well mixed with the soil.

Don't cut off the low limbs on young apple trees, for they bear one-third to half the fruit right where it can be picked without a ladder.

—Equal parts of steam bone meal and limestone is the best mineral mixture to supply phosphorus and calcium to cattle; and these two are usually all that is needed.

—Dealers and farmers expecting to sell farm seeds in Pennsylvania next spring should get tests made and labels ready now to avoid delay. This is the advice issued by the State bureau of plant industry.

All dealers offering agricultural seeds for sale for seeding purposes must attach to each package weighing ten pounds or more, a label giving: (1)—The commonly accepted name of the seeds; (2)—The percentage, by weight, of impurity; (3)—The percentage, by weight, of weed seeds; (4)—The name and number per ounce of noxious weed seeds; (5)—The percentage of germination of the seeds, with date of test; (6)—The name and address of the vendor.

The following seeds are declared as noxious: Wild onion or garlic, quack grass, dodders, Canada thistle, devil's paint brush, king devil, perennial sow thistle, horse nettle, bindweed.

It is unlawful to sell, offer or expose for sale or distribution any agricultural seeds, or any mixture of them, for seeding purposes, when the seeds or mixtures contain more than 93 per cent, by weight, of weed seeds, or contain one or more seeds of dodder or one or more seeds of Canada thistle to five grams of such seed or mixture.

These provisions apply to every person or firm offering seed for sale for seeding purposes, farmer and professional dealers alike. Farmers may sell seed in bulk to dealers without the label.

Anyone may test his own seed, but will be held responsible for the accuracy of the tests. Should the inspector find the seed not to be as represented the seller is liable to prosecution and fine.

Samples may be sent to the seed analyst, bureau of plant industry, Harrisburg, Pa. The law fixes a fee of 25 cents per sample, and fees should accompany the samples. The seed should be thoroughly mixed so that the sample taken from it is representative of the lot. The value of the test rates on the careful taking of the sample, which should consist of from two to four ounces.

—In the swine feeding tests at the Iowa experiment station one of the important observations made was the effect of sunlight on nutrition. Those pigs that were fed out in the open so they got plenty of sunlight made about the same daily gain as the ones fed inside. But they did it more economically and on less feed.

The pigs fed inside required an average of 425 pounds of feed for each hundred pounds gain to reach a weight of 225 pounds, while those fed out in the sunlight reached the same weight, with only 391 pounds of feed for each hundred pounds increased weight. The outside fed pigs made \$1.02 more per head over and above feed costs than did those fed inside.

Mr. Eevaard, who was in charge of the experiments, thinks that sunshine was responsible for the difference. He is convinced of this because of the fact that the outside fed pigs did not do nearly so well during the early part of the feeding season, when the days were short and cold. On the other hand, after the days became longer and more mild, there was a marked improvement in their gains.

During the early part of the feeding season it took about 10 pounds gain for the outside fed pigs, but at the close, when the days were longer, these pigs ate about 70 pounds less feed for each 100 pounds gain than did those fed inside.

The conclusion drawn is that probably in midwinter, during the short days and severe weather, it is well to feed pigs inside. When this is done, however, they should, by all means, have alfalfa hay as a source of vitamin D to take the place of the sun's rays, and to aid in assimilating minerals. As soon as the days lengthen and the weather becomes more mild, the pigs should be given their feed outside.

—Ordinary adhesive tape, used for emergency mending on everything from a cut finger to a punctured tire, proves to be the long-sought means for saving millions of young trees in nurseries from crown-gall, rookknot and similar malformations. The discovery was made by Prof. A. J. Riker and his associates of the University of Wisconsin.

The germs of crown-gall and similar tumorous diseases of plants, which have caused heavy losses for years in the nursery business, get into freshly made grafts through the freshly cut surfaces which are normally unexposed to grow together in a smooth union. The usual types of wrapping used on grafted trees fail to keep them out. But an overlapping wrapping of adhesive tape excludes them effectively and permits success with over 90 per cent of all grafts made, Professor Riker reports.

There are seventy negro doctors in the United States.

Making A Will A Duty

THE making of a Will is a duty that every man owes to himself. And the selection of a proper Executor is part of this duty. More and more prudent men are naming corporate executors rather than individuals. The corporation does not die; it has trained officers to do its work. It is under strict supervision by the State. It offers many advantages, let Us act for you.

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