

Color Gauge

Films, like those of oil on water, sometimes seen on wet streets, afford scientists a valuable thickness gauge by the color they reflect. A thin film of oil on water has a yellow color when the film is six millionths of an inch thick, red for seven millionths and blue for eight millionths. By using this information a color gauge has been devised for measuring to millionths of an inch.

Retain Color

To keep sliced peaches from turning dark, either peel just before using, or sprinkle the cut fruit with a little lemon juice.

Sea Shell Echo

Still another of the cherished beliefs of childhood has been punctured by the advance of science. This one is the theory that when you hold a sea shell to your ear you are listening to the ocean's roar. Actually the sound you hear is a selection of certain tones from the general noise which is always present in our everyday life, and an echoing of these tones by the sea shell due to its size and shape.

Food Waste

In normal times Americans waste 125 million pounds of food daily from farm to table.

OSTEOPATHS WILL CONVENE IN GRAND RAPIDS

Osteopathic physicians and surgeons from all parts of Michigan will convene in Grand Rapids October 20 through November 1, for the 17th Annual Post Graduate Conference and Convention of the Michigan Association of Osteopathic Physicians and Surgeons. It was announced today by Dr. Willis H. Yeamans of Detroit and Dr. Wm. A. Ellis of Grand Rapids, general co-chairmen. The Civic Auditorium and Hotel Pantlind will be headquarters, officials stated.

Leaders in the osteopathic specialty fields of internal medicine, surgery, obstetrics, orthopedics and other phases of public health will be in charge of educational sessions throughout the three-day period. Dr. Yeamans stated. More than 800 doctors and their ladies are expected, as well as representatives of the twenty-two osteopathic hospitals throughout Michigan.

Shoe Repair

You will find that prompt repairing keeps a new look on your shoes. Have lifts replaced before the heels are worn down, and the shoe resoled before the inner sole is worn. Have repairs mended before they have a chance to spread.

Bamboo Blowgun Weapon Of Tropical Natives

The very light blowguns of tropical natives may be quickly made from bamboo alone, convenient because it is hollow. The needed rigidity in such guns is gained by placing the small-bore bamboo tube in a tight-fitting casing of thicker bamboo.

The darts, carried by the blowgun, are usually 8 to 10 inches long and made from hard, straight palm fiber whittled to the thickness of a small knitting needle. For hunting animals, but rarely for hunting birds, the sharpened points of the darts used by Borneo natives are coated with the poisonous sap of upas tree (Adonis tectoria), and notched so that the tip will break off in the wound. At the butt end of the dart, a small wad of pith serves as the piston by which the dart is blown through the tube.

Natives skilled with the device can hit small targets 50 yards away, and reach game in tall trees. Stealth is the secret of its effectiveness, however. The wary tribesman, creeping through the forest, can quietly send his poisoned barbs from short range into several monkeys of a band before creating any general alarm.

Special Preparation Needed For Frozen Fruits

Properly prepared, frozen fruits are a good dessert in themselves and a tasty topping for ice cream and sherbets. But without special preparation, fruits suffer radical changes in color, flavor and appearance.

After washing the fruit carefully, prepare it for packing by cutting or slicing. Berries may be frozen whole or sliced. The fruit should then be packed in dry sugar, sugar syrup, or a syrup made of sugar and corn syrup.

If the dry pack is used, mix three parts of fruit with one part of sugar, shaking the container after the fruit is packed to be sure all the fruit is covered with sugar. By the time freezing starts, the sugar will be dissolved.

When you use the sugar syrup pack, prepare and pack the fruit and then cover it with a sugar syrup solution, allowing from a half inch to an inch head space in the containers to permit expansion.

Eggs Nutritious

Eggs contain most of the nutrients required for an adequate human diet, and for that reason should be included in the diet of every person both young and old. An egg a day is recommended, but 3 to 4 each week is a safe number. Eggs are classified as a "protective food" because of their high vitamin, mineral, and protein content. An egg, when broken, should have a delicate odor. Freshness of an egg does not depend on time elapsed since it was laid. Eggs held at 40 degrees Fahrenheit for 100 days are fresher than eggs held 3 days at 100 degrees. Food value is determined by feed given the hen. In cooking eggs, regardless of the method used, one rule must always be remembered—They belong to the protein and fat foods and should not be cooked at too high a temperature.

Good Health

Good health doesn't just happen. We all know it is something we must think about and work for. Medical care specialists in the U. S. department of agriculture suggest a number of ways people can protect their health and prevent sickness. For example, they can eat enough of the right kind of food, get plenty of sleep and recreation, wear clothes that are suitable for the weather, keep everything clean, and avoid accidents. Along the lines of cleanliness, they can keep a safe drinking water supply, screen doors and windows, keep out-houses in a sanitary condition and get rid of breeding places for germs and rodents.

Longest River

The Missouri river, which, from its source to the mouth of the Mississippi river, has a total length of 4,200 miles, is the longest continuous single waterway or river course in the world. This, however, is generally considered part of the great Mississippi - Missouri river system which measures 6,970 miles in all. Second is the Nile, which is 4,000 miles in length. When the Mississippi was named it was supposed that the Missouri was a tributary but geologists state that the Missouri is really the main trunk of the Mississippi, and what is known as the upper Mississippi, that is, the part of the river above the point where the Missouri joins the Mississippi, is really only a tributary.

Restores Nitrogen

Alfalfa plays an important part in putting nitrogen back into the soil. A four-ton yield of alfalfa was found to contain an average of 220 pounds of nitrogen, 14.4 pounds of phosphorus, 100 pounds of potassium and approximately 500 pounds of limestone. As a legume crop, alfalfa takes only about one-third of its nitrogen from the soil and two-thirds from the atmosphere. This allows a gain of 147 pounds of nitrogen in tons of hay. With only one-third of the nitrogen in alfalfa taken from the soil, this would mean a removal of 18 pounds of nitrogen, 3.6 pounds of phosphorus, 28 pounds of potassium and about 125 pounds of limestone by each ton of hay.

INTERNATIONAL HARVESTER OFFERS NEW PROGRAM

International Harvester Company offers what may be considered a new concept in radio entertainment in its "Harvest of Stars," which goes on the air over all NBC stations for a half hour broadcast at 2:30 p.m., Eastern Time, Sunday, October 7th, and thereafter.

Woven in a dramatic and musically colorful pattern, are the people, places and events that are America, under the talented hand of Raymond Massey, in the dual role of narrator and actor. With him will be noted Howard Barrow as conductor of the seventy-piece International Harvester Orchestra. A choir of twenty mixed voices, under the direction of the famed choral leader, H. H. Ray, will lend vocal support to the production.

Taking off by plane from Europe, where he has been entertaining our GI's in the leading part in the play "Our Town," Massey will fly home and is scheduled to arrive two days before the "Harvest of Stars" goes on the air. Thus personal dramatizing the best tradition of the stage that "the play must go on."

Jan Peerce, noted tenor of opera and radio, will be the first guest star on this program, which has been announced as the first of a series on which many other stars will appear, among them Gladys Swarthout, Eugene List, and Blida Sayre.

World War II Big Job For Quartermaster Corps

Created in 1775 by the continental congress, the mission of the quartermaster corps has been, in peace and in war, to provide armies with what is necessary. In the present war, it is a job of greater importance than ever in monetary value that for all other wars combined.

During the 10 years immediately preceding V-E Day, it supplied European and Mediterranean troops with more than 15,000,000 pairs of trousers, 11,000,000 field jackets, 3,500,000 overcoats and 10,000,000 blankets in addition to sleeping bags. For these operations, it shipped more than 1,500,000,000 gallons of gasoline, 75,000,000 gallons of lubricating oils and more than 45,000,000 pounds of greases to keep the tanks, trucks and other mobile equipment running.

More than 100 fixed laundries, 60 of them shipped from the United States, have been established for hospitals and troop units overseas. Scores of mobile laundries have been sent to the battle areas for use of field hospitals and to provide clothing exchange service. Hundreds of millions of dollars are saved annually by the quartermaster-operated repair shops, fixed and mobile, which are maintained at home and in the field.

FAMOUS RADIO STARS WILL OPEN TOWN HALL

Margaret Speaks and Conrad Thibault, famous radio stars, will open the Detroit Town Hall series at the Fisher Theatre, Wednesday morning, October 10th at eleven o'clock.

The popular pair of artists, now starred on the leading chain hook-ups, will give a program of songs ranging from opera and coherent favorites to the familiar folk tunes.

They will be accompanied by Alderson Mowbray at the piano. In the repertoire of songs to be given by the distinguished soprano and baritone will be Mozart's "The Man Who Feels Sweet Love's Emotion," "Bess, You're My Wonderful One" from the opera Porgy and Bess, "Route de la lumiere" from "Hamlet."

Among the selections chosen by Mr. Thibault for his solo performance are: "L'Invitation au Voyage," "Plaisir d'Amour," "Watch Me O Lord" and "Boatman Dance, Boatman Sing." Miss Speaks' range of songs will embrace the popular, "My Mother Bids Me Bind My Hair," and "Tales from the Vienna Woods."

For five years, Margaret Speaks has been the featured soloist on the Firestone Hour. Thibault's glorious voice has been heard frequently on the Maxwell House Coffee, Coca Cola, Manhattan Merry Go Round, Lucky Strike and Phillips Morris programs.

The Thibault-Speaks concert will be one of four distinguished musical attractions offered in the coming Town Hall Series of Wednesday morning of entertainment and lectures by speaking of world renown. Additional information about the course is available at Detroit Town Hall Headquarters, Room 220 Hotel Statler, Ch. 5617.

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