

People, Spots In The News



YOUNGEST DOUBLES CHAMPS in 59-year history of national tennis tournament are Tod Schroeder (left) and Jack Kramer, both 19-year-old Californians. Teamed together for only eight months, they stormed through veteran Henry Prusoff-Gardner Mulloy pair in straight sets, 6-4, 8-6, 9-7, in final of U. S. title meet at Brookline, Mass.



TUNING UP for coming American Legion convention at Boston, Sophie Tucker, "last of the red-hot mammas" and star of gigantic Cavalcade of Stars, feature entertainment of the meeting, sings out "God Bless America" while John Stringer, adjutant of Schenley Post No. 1190, sponsor of the Cavalcade, lends an ear.



PART WAY TO JAVA, these seven-year-old twin refugees from Brussels, Belgium—Johannes and Francis de Baat Doelman—ponder the sad state of the world as they wait on a Jersey City dock before resuming their long journey to Java in Dutch East Indies.

Adaptability

(From page 1)
in the spring of 1939 and the other half were planted in the spring of 1940.

The planting consist of grasses and legumes of wide range of varieties. Mr. Nuttonson lists a few uncommon grasses and legumes that can be used in this area, with a short description of the value and use of each.

Italian and Domestic Rye Grass is valuable as a winter cover crop for its quick establishment when planted even in hot mid-summer during the last cultivation of corn. When planted at that time, it will develop a good sod before winter sets in and will thus protect the soil from being washed and in addition will give a large amount of green manure to be plowed under in spring. This grass is valuable also for short rotations and is noted for its rapid and abundant growth, giving two to three cuttings a season.

The seed is relatively cheap and this type of rye grass, if wanted, can be easily grown by the farmers themselves here, in Lancaster County.

Perennial Ryegrass is outstanding for its quick establishment and is quite useful for soil holding while more valuable and permanent grasses are being established. It is a good pasture and hay grass.

Tall oatgrass is a deep-rooted, long lived perennial plant, growing to a height of about five feet and of especial value on soils subject to drought. It seems to be one of the earliest and fastest growing grasses in our nursery and gives four cuttings a year. It has especial merit for grass ensilage but will not stand shade or close grazing.

Reed Canary Grass is unexcelled as a producer of herbage on wet land or on low lying areas subject to flooding. It spreads by underground stems, makes a good sod but is easy to eradicate. For the best quality hay, it should be cut about the time the heads appear. Very good results are obtained from spring seeding.

Creeping Red Fescue is an excellent soil binder which stands tramping, close grazing, and hard wear. It is particularly useful in sandy and gravelly soils.

Sheep Fescue is small bunch grass especially suitable for thin and poor uplands. It is very hardy and drought resistant.

Rhode Island Bent is particularly well adapted to dry, sandy, or gravelly soils. It is low growing and will stand very close grazing or mowing.

Eirdsfoot Trefoil is a deep rooted perennial legume which will grow

on very poor and acid soils. It may be grown alone or in mixtures. There is a hay type and pasture type selection of this legume. It is believed to be as palatable as alfalfa and will do well where alfalfa fails. It makes a rank ground cover, continues growth through July and August and appears to be a very promising legume for poor and acid soils. Under a high state of fertility, it is reported to outyield red clover.

Ladino Clover is a giant selection of white clover. It is tall growing and is coming into usage in hay and grass silage mixtures.

Alaska Clover stands up to wet and acid conditions and is much less susceptible to "Clover sickness" than Red clover.

Sainfoin is a long lived perennial legume. It is highly resistant to drought and cold and remained green all through the winter under Lancaster County conditions.

Yellow Terefoil or Black Medick is an annual or biennial plant and is valuable where alfalfa and red clover do not succeed. It reseeds readily and makes good winter cover. The prostrate habit of growth makes it particularly useful as a pasture and soil holding plant.

Visitors are welcome and are invited to inspect this nursery. Mr. Nuttonson will be glad to answer any questions concerning these grasses and legumes and will tell interested parties what each has in its place on the farm.

Dripping Pipes
The sound of waste water gurgling through the soil pipes between the partitions is objectionable to most home owners and need not be tolerated. The noise is overcome by insulating the soil pipes with a pipe covering. Sweating pipes in the basement sometimes prevent use of that space as recreation room, workshop or laundry. Cold-water lines covered with non-sweat insulation will not drip. Soil pipe insulation has to be done before walls are closed and plastered, but dripping pipes are easily reached and can be corrected.

Auto Clutch Adjustments
The clutch pedal should move an inch in any car before it begins to take effect. As the facings wear, however, this margin of clearance assured by the factory adjustment begins to diminish. Eventually it will reach the vanishing point and the pedal will rest tightly against the toeboard with the result that the clutch springs are always compressed. All manner of clutch trouble may follow failure to see that proper clearance is maintained.

About the time your back gets used to gardening the season is over.

Early Indian Battlefield

Opened for Sight-Seers

The scene of one of the bloodiest battles in the history of New England's early Indian wars, the Great Swamp fight of 1675, in Rhode Island, has been opened for sightseers by CCC workers. The Great Swamp fight was unusual because the Colonists attacked the Indians instead of vice versa, says the National Geographic society. Several hundred casualties made this one of the bloodiest battles of Colonial New England, as a thousand men from four colonies stalked the Indians to their winter camp, attacked the hideaway in the swamp, set fire to 600 wigwams and scattered the Indians into the wilderness.

Some 60 deaths and 150 wounded among the attackers meant serious losses to the fighting forces of the sparsely inhabited colonies. The losses of the Indians included some 300 wounded or old men and women and children whom they could not rescue from the fire.

This battle marked December 19, 1675, as the date of a major engagement in King Philip's war, a widespread uprising, in which the painted braves with bow and arrow and club learned the uselessness of resisting white men and their guns. The battle was part of the Colonists' campaign started against a hitherto neutral tribe, the Narragansetts, because they would not give up refugee women and children of the Wampanoag tribe, whose braves were on the warpath farther north.

The scene of the Great Swamp fight is now a peaceful "island" of solid ground grass covered in season, within the treacherous swamp near Kingston on the mainland not 15 miles from Newport. No remnant of the Narragansetts' large winter camp survives. A granite shaft commemorates the white man's victory, and flanking markers name the colonies which united for the attack—Plymouth, Massachusetts, Connecticut and Rhode Island.

World's Nitrate Supply

Is Obtained From Chile

Chile has a population of 4,600,000, or approximately that of Massachusetts, on an area more than 34 times that of Massachusetts. It supplies all the world's natural nitrate, as well as 90 per cent of the iodine, almost half the borax and 18 per cent of the world's copper.

It borders the southern Pacific coast of South America running almost north and south for 2,627 miles, and varies in width from 105 to 223 miles. Inland it is bounded by the lofty crest of the Andes, the background of all Chilean panoramas and possessed of vast waterpower.

If Chile occupied the same latitude in the northern hemisphere it would extend from the latitude of Jamaica through Cuba, Florida, the rest of the United States and Canada to the southern shores of Hudson bay, says the National Geographic society. With the varied climate thus afforded, Chile has widely diversified scenery and economic interests.

Frequent dust storms, mirages and often frost at night feature the hot, arid section of northern Chile, which for many years has furnished most of the country's revenue.

The nitrate fields stretch for several hundreds of miles along the western rim of the upland plains, the deposits being not more than 20 to 30 feet below the surface. Chile's mineral exports account for more than 75 per cent of the total United States taking one-fourth, including practically all the iron ore.

Napoleon's Sword

Bearing the inscription, "N. Bonaparte, First Consul of the French Republic," a sword has been added to an exhibition in Moscow dedicated to the victory of the Russian people over Napoleon in 1812. When Napoleon was defeated and sent to Elba by the coalition Alexander I. of Russia, ordered Count Shuvalov to accompany him. To assist Napoleon to escape recognition by the crowds, Shuvalov offered him his sword. In gratitude, the de-throned emperor gave his sword to Shuvalov, who took it to Russia. In the revolution of 1917 the Red Guard raided a family estate and a commander appropriated a sword. He fought with it, often marveling at its strength and sharpness. After the war it was identified as Napoleon's sword.

Artist's Gratitude

Mrs. Mary Brittain, California artist, had a different way of expressing gratitude to the state for relief assistance. Mrs. Brittain donated a large oil painting to the state to be hung in the San Quentin prison chapel. It was a reproduction of "The Nativity." "The state could accept this gift as a token of appreciation from me of some relief I received a few years ago when there were 10 children in my home, and I had 10 means of support," her letter said in part.

Protective Foods

A research made by the National Dairy council shows that three billion dollars are lost in money and time annually in the United States because of a million and a half daily colds and related diseases during the winter. Rather a staggering sum! Good nutrition of the body as a whole, as well as excellent general physical condition, combat infection, report physicians and nutritionists.

FARM TOPICS

ELECTRICITY AIDS FARM OPERATION

Power Yields More Work At Less Cost.

By NORTON IVES

(Extension Agricultural Engineer, University of Minnesota Farm.)

When you buy electricity you buy work. The success of the rural electrification program should not be measured in terms of miles of line or numbers of customers connected. These only show the amount of money invested and the amount of debt incurred, the engineer warns. The true value of electricity lies in its ability to do work cheaper and better than by old-fashioned methods.

Unless put to work at productive labor or money-saving tasks, the "juice" is just another expense. When given a chance, however, it is the cheapest laborer on the farm. A small quarter-horsepower motor will do the work of one man and at an energy cost averaging only one cent per hour.

Feed grinding is accepted as a money-saving practice on most live stock farms, and when rates are moderate, electricity will do the job cheaper than any other form of power. At a rate of 2.5 cents per KWH (kilowatt hour), 25 cents will grind a ton of oats, 1,100 pounds of barley or 2,000 pounds of corn to medium fineness. Overhead bins, arranged for automatic self-feeding, practically eliminate labor cost and permit the operator to do other chores while the next day's feed is being ground.

In purchasing an electric feed grinder, the motor costs far more than the grinder, Ives points out, so provisions should be made to see that the power unit is made portable and may be moved from one job to another. A three-horse-power electric motor, in addition to grinding feed, will saw wood, elevate grain, run machines in the farm shop, hoist hay and even shell corn. When put to work, highline current is the best hired man on the place. If left in the wires, it will "eat its head off."

One Out of Four Farms

Served by Power Lines

About 1,700,000 farms, 25 per cent of all the farms in the United States, had high-line electric service at the beginning of this year, more than twice the number having service when the Rural Electrification Administration was established in 1935, REA announces.

Electric service was extended to approximately 225,000 farm families and other users or about 1,000,000 persons last year—one for every 30 seconds ticked off from the beginning to the end of the year.

Users receiving service from REA financed systems now total about 400,000. Of the 688 such systems, 500 are in operation with more than 180,000 miles of lines energized.

Construction was equivalent to one average system completed per day, averaging about 400 miles of line per work day. During periods of favorable weather, construction has averaged more than 500 miles per working day, and at times it exceeded 550 miles per working day. The 180,000 miles of REA financed lines now in operation are sufficient to span the continent from Washington to San Francisco 60 times. An additional 60,000 miles are still under construction.

The average size REA financed system has an investment of \$400,000, and serves 1,200 users from 400 miles of lines. Farmers' co-operatives constitute 88.4 per cent of REA borrowers.

Cow Now Has 'Rights' Under Britain's Laws

Talk about constitutional rights—cows in England, at least, can do just about as they please. No worrying about stop lights or parking tickets or being bawled out by traffic cops.

The high court of appeals in England has held that a cow had the constitutional right to stand in the middle of the road and chew her cud, and let traffic go hang or so around. At least the court said that cows do not move in straight lines and no driver could be expected to make them get in straight line or stay out of the road. The decision was made in a case where a motorist had collided with a cow and claimed damages to his car.

In announcing his decision, the lord justice said that cows have "stayed about the road for time immemorial" and will probably continue to do so.

Agricultural News

In recent experiments, cows produced more milk if given injections of a pituitary gland extract.

A motor of 1/4 horse power is a hired man that works for the unusually low figure of about a cent an hour.

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