

Cultivation Of Farm Subsoil

May Find An Important Place in Future Canadian Agriculture — Gives Better Aeration and Drainage

Subsoiling has been practised in European countries for many years and now there are indications that it may find an important place in Canadian agriculture of the future. So far its application has been limited chiefly to orchards and vineyards, but its merits warrant its extension to other fields. Subsoiling performs several useful functions. It breaks up hard pan or impervious soil layers and thus permits better aeration and drainage. This in turn accelerates soil activities and plant food preparation by bacteria. It allows rain water to penetrate the soil more quickly and prevents loss of needed moisture by evaporation or by run off from the surface. The roots are induced to go deeper, thus giving the dry plants a better water supply in dry weather, and the feeding area of the root system is increased. In short, it helps us make use of a greater depth of soil, virtually adding to the size of the field.

Effects Last For Years
The effects of subsoiling, especially in heavy land, will last for years. In Europe subsoilers of various types are used, but in Canada most interest has been shown in a machine which opens up the subsoil and, at the same time, deposits fertilizer in the furrow, where it is within reach of the deeper plant roots.

He Paddled From Timmins To New York



Peter Spence, of Timmins, Ont., who paddled to New York to see the World's Fair, is pictured as he arrived at Battery Park, New York city. The trip took him 101 days.

Time To Send Hen To Market

When She Has Accumulated A Certain Amount of Firm Fat

Anyone who has dressed hens will have noticed a large accumulation of fat in the abdomen of some birds. This accumulation can be determined while the hen is living by handling the flesh in the egg sack. The fat, if present, will be hard and firm. This is a sign that ovulation has ceased and that the hen is now using her food supply to lay up body fat instead of for the production of eggs. If a hen has accumulated a quantity of hard fat in the abdomen it is an almost certain indication that her laying days are about over. It is about time that her stay in the flock is terminated and that she should be sent to the market.

A Cross Family In The Morning

How do you waken your family in the morning? To most people this is one of the most delicate incidents of the day and as such should be handled with understanding and tact by the breakfast caller. There are, of course, as many methods for arising as there are personalities, and it is the homemaker's job to discover her own family's peculiarities.

Don't think because you like to run the blind to the top of the window first thing in the morning that everyone likes his room to be filled with a sudden burst of daylight. Some people require to ease themselves out of sleep just as one might use every caution in removing a shoe from a painful foot, so that no sudden jarring may add to the misery. To these, a noisy summons to get up is like a slap in the face. A gentle, even whispered call, will probably mean the difference of having a good natured breakfast fellow, instead of something that looks like dawn coming up like thunder across the table.

Sunday School Lesson

LESSON V
BEVERAGE ALCOHOL AND SOCIAL PROGRESS
(International Temperance Sunday)

Micah 2:9-11; Luke 21:29-31, 34-36; I Cor. 6:9-11.

Golden Text.—Know ye not that the unrighteous shall not inherit the kingdom of God? I Cor. 6:9.

THE LESSON IN ITS SETTING
Time.—Micah prophesied between A.D. 735 and 715. The Olivet discourse was given on Tuesday of Passion Week, April 4, either A.D. 29 or A.D. 30. The First Epistle to the Corinthians was written about A.D. 56.

Place.—Micah primarily prophesied regarding conditions in the city of Jerusalem. The Olivet discourse was delivered on the Mount of Olives, opposite and east of the city of Jerusalem. The city of Corinth was located in southern Greece.

9. The women of my people ye cast out from their pleasant houses from their young children ye take away my glory for ever. The unrighteous men of Israel are here denounced who have oppressed the widows and the orphans. 10. Arise ye, and depart; for this is not your resting place; because of uncleanness that destroyeth, even with a grievous destruction. The passage is based upon ideas contained in Lev. 18:25, 28, that the land is defiled by the sins of its inhabitants and will vomit them out because of this defilement. 11. If a man walking in a spirit of falsehood do lie, saying, I will prophesy unto thee of wine and of strong drink he shall even be the prophet of this people.

Wine and strong drink here are figures used to denote earthly blessings and sensual enjoyments, promise of which was held out to the people by these false prophets.

Budding Fig-Tree
Luke 21:29. And he spake to them a parable: Behold the fig tree, and all the trees: 30. when they now shoot forth, ye see it and know of your own selves that the summer is now nigh. 31. Even so ye also, when ye see these things coming to pass, know ye that the kingdom of God is nigh. The fig and olive-trees are symbols peculiar to Israel, and with the vine represent the whole earthly history of the covenant people within the times of redemption. Trees, like men, have their youth, maturity, old age. They change with the seasons. Israel misused her first national summer, and, being un-served, entered into a long, dreadful winter. Here are given signs that a great change approaches in the history of Israel. The fig-tree is putting forth its leaves.

Peril of Worldliness
34. But take heed to yourselves lest haply your hearts be over-charged with surfeiting, and drunkenness, and care of this life, and that day come on you suddenly as a snare. Surfeiting may be taken to mean the nausea which follows debauch. Neither the Old nor the New Testament explicitly teaches what we call total abstinence from all intoxicating liquor, but we must emphasize the fact that drunkenness throughout the Bible is absolutely condemned as one of the gravest forms of sin, and more than once we are reminded that drunkards will have no part at all in the kingdom of God. The day that is here referred to is the day when the Lord Jesus Christ is coming back again. Our Lord is warning of the danger that men and women will be so occupied with indulgences of the flesh or the care of business that they will not be ready for the Lord when he comes back.

35. For so shall it come upon all them that dwell on the face of the earth. 36. But watch ye at every season, making supplication, that ye may prevail to escape all these things that shall come to pass, and to stand before the Son of man.

He Wants Peace: Joins The Army

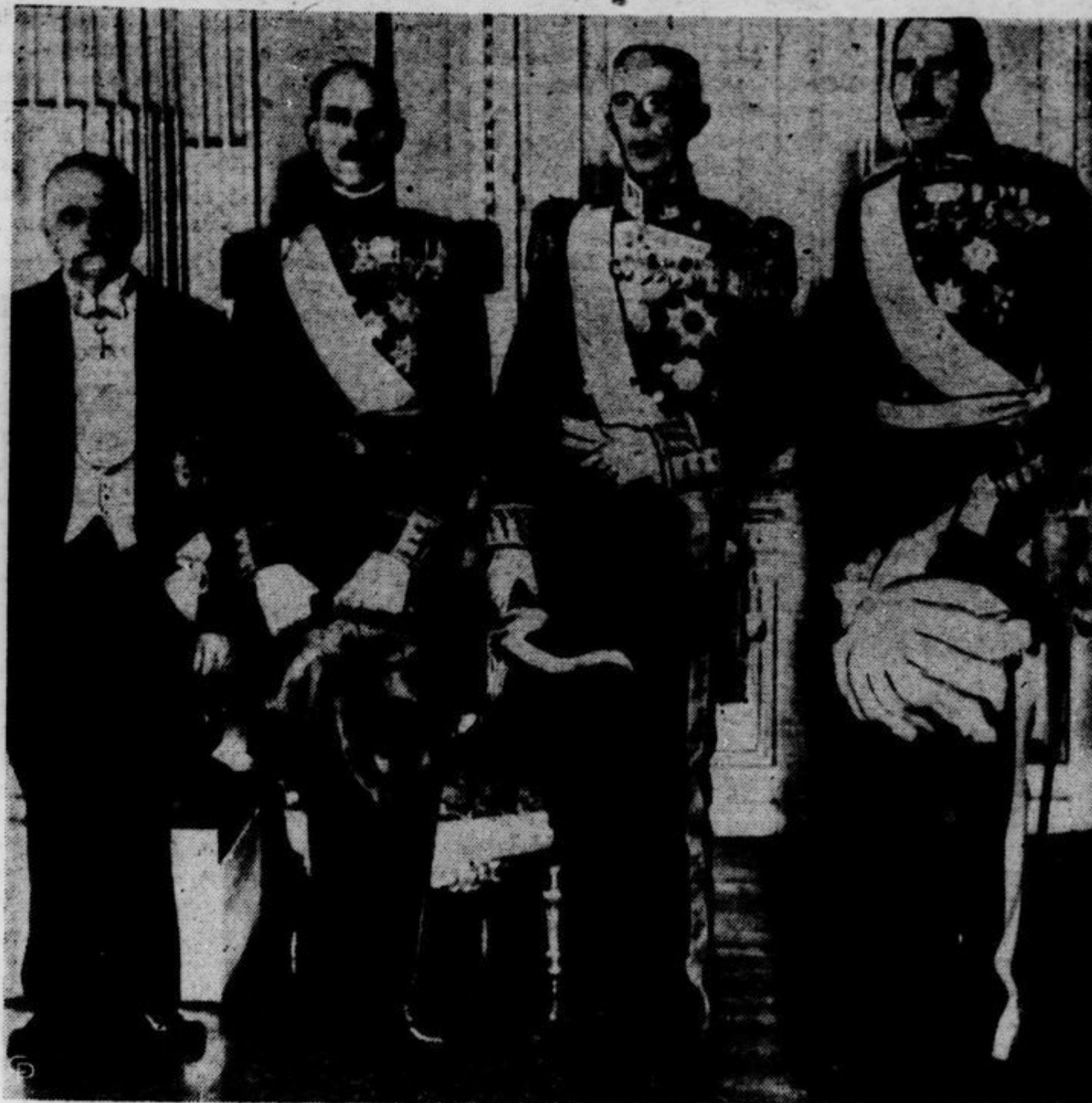
Domestic Troubles Drive Clinton Man to Enlist

Alleging that his wife gave him a sound beating, Arthur Parry, residing on highway No. 4, a short distance south of Clinton, Ont., has preferred a charge of assault, occasioning actual harm. Parry said his wife threw stones at him, and broke three of his ribs.

When the case was called Crown Attorney Holmes said he was in receipt of a letter from Parry, in which he intimated a desire to try and withdraw the charge, if possible, and that he was going to join the army, so that he "might have a little peace."

The case was adjourned sine die.

Rulers of Scandinavian Countries Hold Conference



Pictured as they met in Stockholm to celebrate the 80th birthday of King Gustav of Sweden are the rulers of the four Scandinavian countries who came together again this week to confer on what action to take to protect their countries against the threat of aggression. From LEFT TO RIGHT, President Kyoisti Kallio of Finland, King Haakon of Norway, King Gustav of Sweden and King Christian of Denmark.

Today's Meals More Varied

47 Varieties Fruit And Vegetables Found on Modern Dinner Table As Against Old-time Four

Forty-seven varieties of fruits and vegetables are in common use today on everybody's dinner tables as against a choice of four that were available to the people of 12th Century England, according to an exhibit at the New York Museum of Science and Industry in the Rockefeller Center. Exact reproductions, in wax, of the plump and luscious products of modern farms, shown in the exhibit, offer a striking contrast to the reproductions of the dwarfed and puny specimens of peas, beans, leeks and the beets of eight centuries ago.

RADIO NOTES AND NEWS

By MADGE ARCHER

NELSON EDDY GOES OFF AIR

The biggest radio news of the past week, is that Nelson Eddy has handed in his resignation to the sponsors of the Chase and Sanborn Hour. Eddy will bow himself out on Sunday, November 5th, and a substitute, not yet named will take his place.

In parting with Charlie McCarthy, Edgar Bergen, Don Ameche and other members of the Chase & Sanborn Hour, Eddy pleads as his reason the heavy commitments he has made in concerts, films and recording activities this winter. It seems that Mrs. Eddy has been

urging her famous husband to devote more time to hard vocal work, at least that is the gossip of the studios. In any event the baritone's voice has much improved of late and his singing gives every evidence of long and arduous practice.

OUTSTANDING MUSICAL ARTISTS

Tuesday evening, at 10:00 p.m., the CBC will present the second broadcast of its new symphonic hour. Wilfrid Pelletier will conduct the orchestra of Les Concerts Symphoniques from Montreal. This orchestra with that of the Toronto Symphony will alternate every Tuesday in giving concerts until the third week of December. The series will resume the beginning of January and continue until the end of the concert season. Guest conductors will be heard with both orchestras together with some of the most outstanding artists in the music world.

NOTES AND NEWS

Saturday, Oct. 28. Football on both American and Canadian networks will be the order of the afternoon . . . 10 p.m., CBL . . . Toscanini will conduct Beethoven's First and Third Symphonies in the first in the series . . . Beethoven Festival concerts by the NBC orchestra . . . Oct. 29, CBL, Henriette Schumann plays Third Rachmaninoff Concerto on Radio Music Hall program . . . 3 p.m., CFRB, John Barbirolli conducts N. Y. Philharmonic orchestra . . . 7 p.m., CBL, Jack Benny arrives at another broadcast in his Maxwell . . . 9:00 p.m., CFRB, Grace Moore guest on Sunday evening hour . . . Oct. 30, 12:30 p.m., CBL, Farm broadcasts of interest to farmers in the Province of Ontario . . . 8 p.m., CFRB, Andre Kostalanez and Tane Up Time . . . 9 p.m., CFRB, Cecil B. DeMille's Radio Theatre . . . 10:00 p.m., CBL, Carnation Contented Hour . . . Oct. 31, 8:30 p.m., CBL, Information Plea . . . 10 p.m., CBL, Les Concerts Symphoniques . . . Nov. 1, . . . 8:30 p.m., CFRB, Music Box Revue . . . 9 p.m., CBL, Serenade for Strings . . . Nov. 2, . . . 8:30 p.m., CBL, Boulevard songs from Montreal . . . 9:00 p.m., CBL, Good News . . . 10 p.m., CBL, Bing Crosby.

Nazi Bombers Raid Scottish Coast



Striking at the Scottish coast for the second time within two days, German bombers damaged the training ship Iron Duke at Scapa Flow naval base. Air raid sirens screamed warnings at Edinburgh and other centres on the Scottish coast, but no raids resulted.

Earliest Watches Were Egg-Shaped

Introduced in Germany, They Became Fashionable Articles in Sixteenth Century

Peter Henlein, a mechanic and locksmith, of Nuremberg, Germany is generally credited with being the first man to make watches. About 1,500 he set himself to produce a small pocket clock. For the

motive power he introduced the main spring, and with this as a basis produced little clocks — "watches" as they came to be known — which would fit in the pocket or the purse.

We call an old-fashioned watch a "turnip" because it is so thick, but that is nothing compared to Peter Henlein's products, says "The Rocky Mountain Herald." They were almost round, and when they were sold throughout Europe, they became known as "Nuremberg eggs."

POP—A Good Reason Why She's Not Guilty



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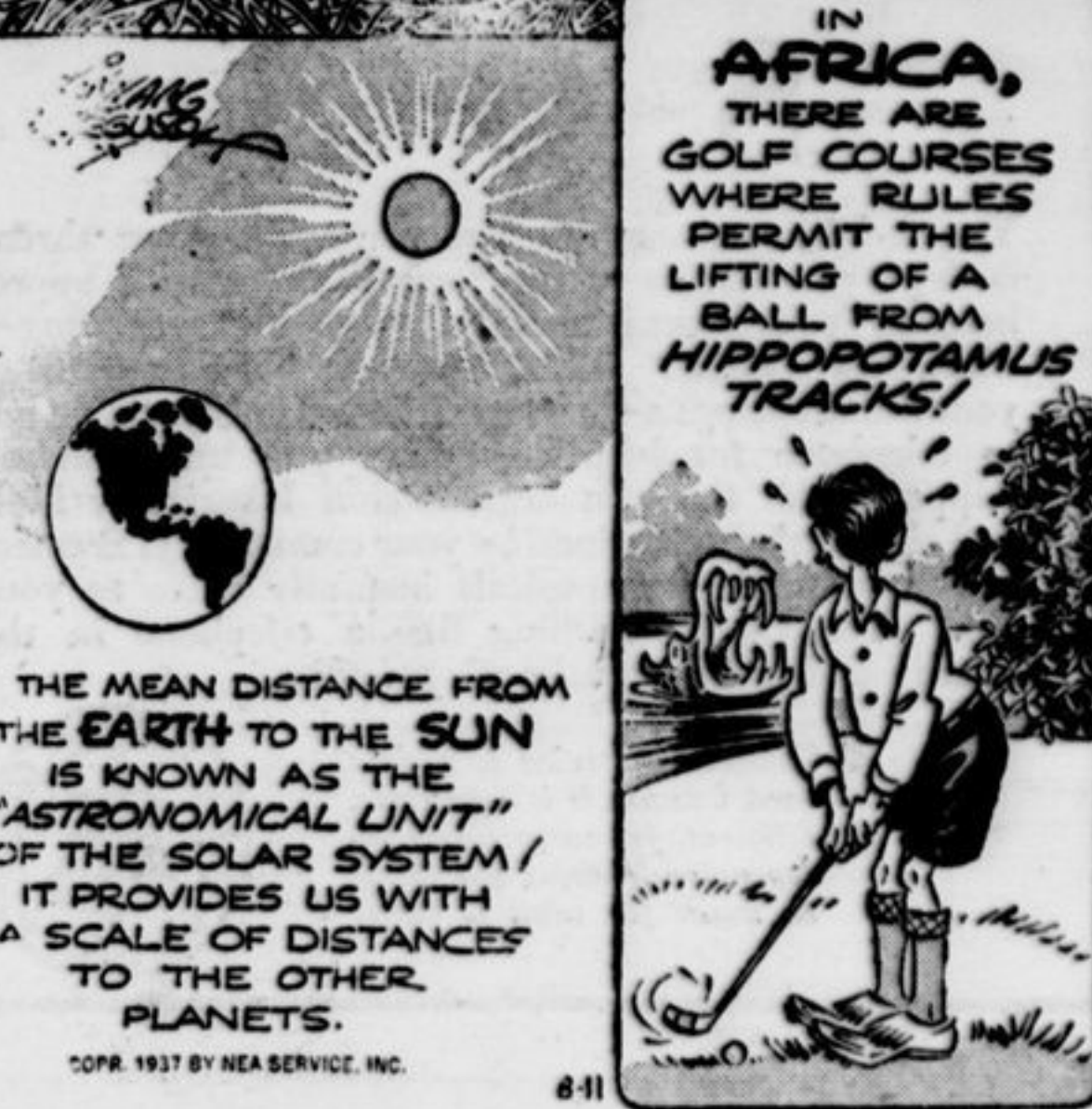
Misses Drowning In Wave Of Milk

Vehlo Maki, 18, was almost drowned in milk when a truck in which he was riding was in collision with a freight train on the Sudbury-Sault Ste. Marie highway near Worthington. Maki said from his hospital bed

he was in the back of the truck with the milk cans and when the crash came he was blinded by the milk. He "gaped and choked" until he thought he would drown, he said.

Approximately 240 gallons of milk poured over the road and most of the 30 milk cans were destroyed.

THIS CURIOUS WORLD

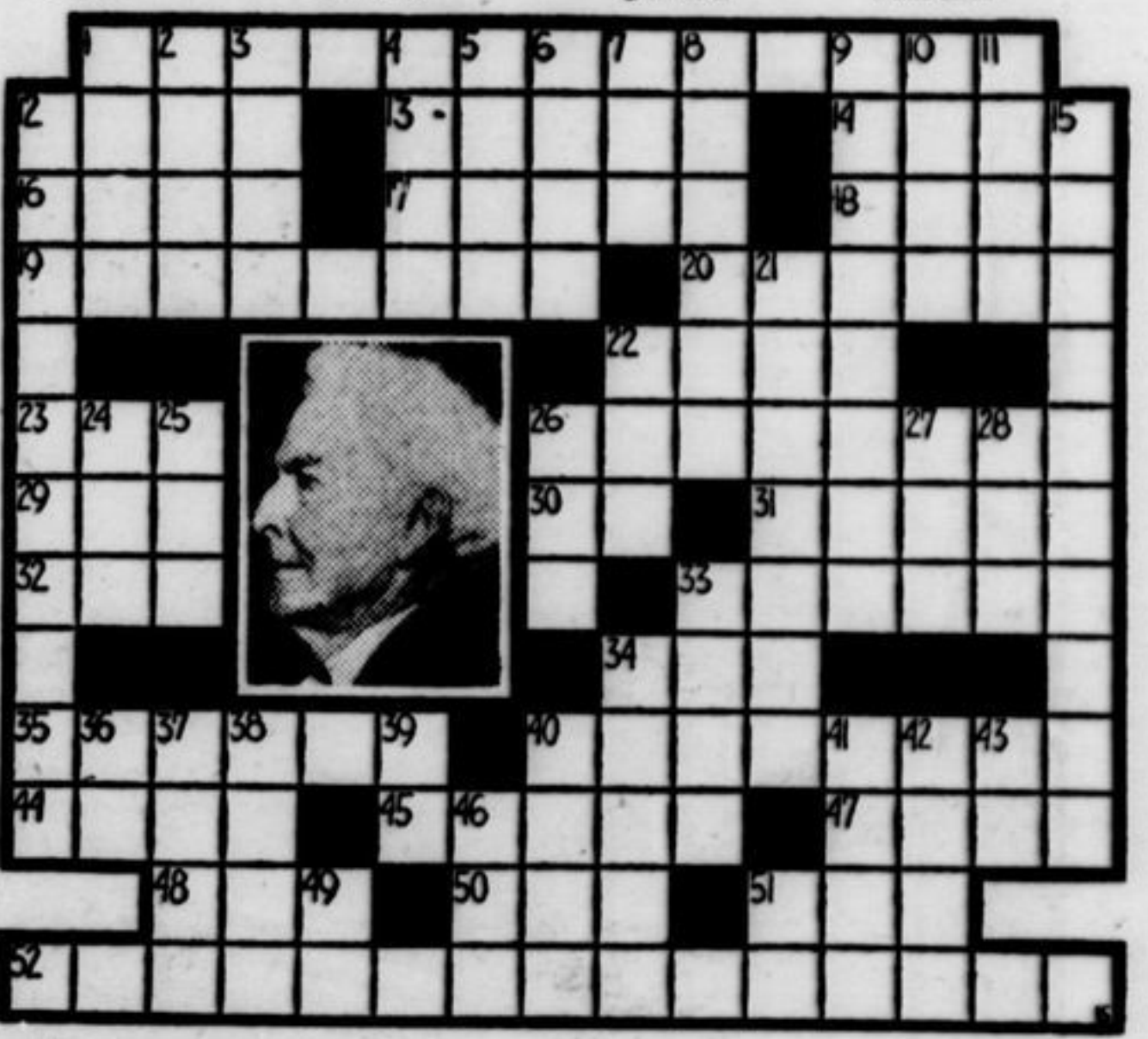


THE MEAN DISTANCE FROM THE EARTH TO THE SUN IS KNOWN AS THE "ASTRONOMICAL UNIT" IT PROVIDES US WITH A SCALE OF DISTANCES TO THE OTHER PLANETS.

THE mean distance from the earth to the sun also is used as the base line for the measurement of the distances of the stars and other celestial objects outside our own solar system. For this reason, great care has been taken to see that this measurement is very accurate.

NOTED NATURALIST

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| HORIZONTAL | Answer to Previous Puzzle | 15 He succeeded in — many new flowers and fruits: |
| 1 Pictured American naturalist. | VALENTINE | 21 Flogs. |
| 12 Roof edge. | WATER | 22 To scatter. |
| 13 Viol instrument. | TRIP | 24 Epoch. |
| 14 To harvest. | TRIP | 25 Heaven. |
| 16 Christmas. | TRIP | 26 Beam. |
| 17 Arabian commander. | TRIP | 27 Deer. |
| 18 Masculine. | TRIP | 28 To emulate. |
| 19 One that annoys. | TRIP | 33 God of war. |
| 20 One who runs away. | TRIP | 34 Vocal composition. |
| 22 Russian ruler. | TRIP | 36 Measure of area. |
| 45 Charts. | TRIP | 37 Fruit. |
| 47 Strong taste. | TRIP | 38 Saucy. |
| 48 Work of skill. | TRIP | 39 Spain. |
| 50 Before. | TRIP | 40 Feather barb. |
| 51 To deposit. | TRIP | 41 Toilet case. |
| 52 He was a world-famous halls. | TRIP | 42 Door rugs. |
| 9 Army drill. | TRIP | 43 Form of "a." |
| 10 Low tide. | TRIP | 46 Rumanian coin. |
| 11 Cabbage plant. | TRIP | 49 Musical note. |
| 12 He conducted countless plants. | TRIP | 51 Pair. |



By J. MILLAR WATT