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attention of a passing steamer,

and General Goethals,

which they managed to attract th

crew after 37 hours of sub-

tled "Fragments From Babel,"

CANADIAN CHAMPION

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COUNTY OF HALTON

Place of Sitting	Day of Sitting	Jan.	Mar.	May	June	Sept.	Nov	Jan. 1941
Milton Oakville Georgetown Acton Burlington	Tuesday Wednesday	9 3	8 5 6 7 4 *Wedi	3 7 1 2 6	28 25 26 27 24	6 10 4 5 9	8 5 6 7 4	10 7 8 9 *6

NAMES AND ADDRESSES OF CLERKS-1. B. Knight Milton Oakville; 3. E. C. Thompson, Georgetown; 4. E. T. Thetford Riddiford, Burlington.

General Sessions of the Peace and County Court Sittings wil 4th June and 3rd December, on opening days at 1 p.m. County Court Sittings, without Jury, 201 of April an 1 1st o and so often at other times as may be required for the dispato. Audit of Criminal Justice Accounts, 5th January, 5th April, 5th July, 4th October, 10 a.m.

> By order W. I. DICK, Milton, Clerk of the Peace

TRAVELLERS' GUIDE.

(All Trains Run on Standard Time) JANADIAN PACIFIC KAILWAY -GOING EAST-

7.36 a.m.-Daily, flag. 1.37 p,m.—Daily. 8.45 p m — Daily except Sunday, -Going West-9.27 a.m. - Daily, flag.

6.16 p.m.-Daily, 12.38 a.m.—Daily except Sunday, fla -SUNDAY-Going East-7.36 a.m., flag, 1.37 p.m.,

Going West-9.27 a.m. flag, 6.16 p.m. CANADIAN NATIONAL RAILWA GOING SOUTH. G JING NORTH

9.52 p.m. flag.

8.04 a.m. POLLOCK & INGHAM

7.15 p.m.

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1940 - LOCAL COURTS CALENDAR - 1940

10 5 7 8 5 7 9 4 6 8 9 4 6 4 6 4 6 4 6 4 6 4 6 4 6 4 6 4 6 6	Two years ago citizens of Granger, Wash., organized "the finest volunteer fire department in central Washington" and named
2. John Chambres d Acton; 6, W. C.	Darwin Davis as assistant chief. But now they're considering all sorts of dire action against Davis
ith or without Jury	because he spoiled the chance the department had awaited for two years. For 24 months members of
of October, 10, s.m	the department drilled faithfully, waiting for the day they could show
l, 5th July, 4th Octo-	their prowess in a real fire. It final-

Motion Picture of Heart Shows Beginning of Life

Used in Killing Insects A motion picture of the origin of Methyl bromide, sometimes life-the formation and first-beat of as a fire extinguisher, is proving the heart of an embryo chickeneven more useful as an insect "extinguisher" or fumigant, as it will was shown recently at an assembly in many cases kill insects without of the International College of Surinjuring the plants upon which the geons.

Fire-Fighting Chemical

insects are feeding.

without injury to plants.

id growth.

yard of soil.

from within quarantined areas.

Idaho Is Using Beaver

long observations of beaver.

moved by regular trapping.

Buying Reflects Jobs

men can get jobs. There are three

figures that I hope will stick in your

ing a thousand farms," says the orange coloring.

United States department of agri-

culture pamphlet on community for-

ly came and when the fire alarm

rang the members turned out in

force-all except Davis. Not wait-

ing for their assistant chief, the vol-

unteer firemen dashed to the scene.

cents a meal."

The film, photographed through a microscope, provided the surgeons Entomologists of the United States an exciting drama of the most mysdepartment of agriculture are workterious of all the phases of their ing with this fumigant to determine work. It covered a 10-hour interthe time and temperature most efval, from the time the incipient fective for reatment to kill insects chicken's heart, little more than a thin-walled tube, first began to Methyl bromide is used-in con- twitch, until blood circulation starttrol of the Japanese beetle-in the ed. It showed the spasmodic twitchfumigation of fruits and vegetables ing become a pulsating; the blood It cells and blood vessels begin to also has been found particularly use- form, and the heart gain strength ful for treating potted plants and until it was able to pump life fluid nursery stock which may be infest- through the embryonic blood vesed with the larvae of this insect. sels

After treatment the plants can be Dr. Bradley Patten of the Univershipped outside the quarantined sity of Michigan's anatomy departarea without danger of spreading ment, gave the demonstration. In the pest. A few species of plants a paper he explained that he and are injured by this treatment; oth- his associates had cut a tiny winers may be stimulated to more rap- dow in the cell of a fertilized egg and exposed the embryo, the size Methyl bromide is useful and eco- of a pin head. This preparation was nomical in sterilizing soil, as 21/2 transferred to a glass chamber and

ounces of the gas costing about a supplied with nutrient fluid. dime will kill all the larvae of cer- The first flutterings of the tube, tain species of insects in a cubic later to become the heart, are not rhythmic or orderly. Different parts Experience with sweetpotatoes in- of it merely contract and there are fested with the sweetpotato weevil periods as long as five minutes when shows one of the peculiarities of the there is no activity. Then comes gas in its effect on living plants. a series of fibrillations and gradual-When sweetpotatoes are treated di- ly, after two or three hours, the rect from storage in the winter they twitches seem to combine, although may break down into watery, worth- mostly on the right side of the tube. less masses. But if allowed to warm After another hour, scattered up gradually for a few days and areas of the left side begin to conthen treated with gas at high tem- tract. Then right and left sides peratures the potatoes endure a fair- twitch in time with each other. Still

ly high concentration of gas, and there is no regular rhythm to the when bedded to produce planting movements as a whole. stock they yield more draws or Three hours later there is a Insurance and Real Estate | sprouts for planting than the un-change, so gradual it is impossible to tell when it starts. The motions are starting at one end of the tube and rippling in waves to the other

> Then the blood starts to form. In Building Small Dams first there is just fluid; then a few When it comes to building dams, corpuscles appear within the heart been stretched, and seek new vigor man may rank himself first, but the tube . They shuttle back and forth beaver deserves a considerable at each beat. The beating inshare of the laurels too. The beaver creases, the blood cells become doesn't pretend to build dams like more numerous. At last the em-Boulder and Grand Coulee across bryonic heart is pumping blood into big rivers-but set him down on a embryonic arteries. The chick is small mountain stream at the head- 40 old. Circulation has waters of a river and he'll build a started. series of small dams just as sturdy

and effective in their place as the MILTON big ones. At least this is what the U. S. forest service says from its Wisconsin Liars Club

Has Tough Competition Just as an example of the confi-Burlington, Wis., world capital of dence the forest service has in the tall-story tellers, faces competition. beaver as a water conservationist, Liars of Osage, Okla., have chalthe foresters transplanted more than lenged Burlington fibbers to a "lie-500 beaver in Idaho last year from telling session with no holds the lowlands, where their talents barred."

were not appreciated, to the high "To prove we rate in the chamheadwater streams on the Targhee, pionship class," wrote Glenn G. Challis, Boise, and several other of Cates of the Osage team, "here's easy to understand any male speak the southern Idaho national forests. one an Osage kindergarten pupil er later on, it is pointed out. The moving was done with the co- tells:

operation of the Idaho state game "'I was getting dinner one day director and state conservation offi- when I accidentally dropped a very sharp knife. It cut our old cat's The transplanting program in Ida- tail off up close, clean as a whistle. Boston on a 72-hour endurance run ho is to be followed by close obser- He looked so exposed and embar- the U.S. submarine S-5 sank while vations of beaver populations so rassed that I decided to build him making a crash dive off the Delathat as the numbers increase and a new tail of wood. I threaded the ware capes on September 1, 1920. the streams become fully stocked, tail stub and made matching The submarine responded to its divthe surplus animals can be re-threads on the wooden job and ing rudders, but failed to straighten screwed it on. The cat looked out after submergence and dived proudly at it a moment and then scampered out into the yard.

" 'The next thing I saw was our "Every time an unemployed man gets a job, every farmer in America old cat hiding behind a tree near ought to yell hallelujah! That's the which all the rats in the neighborreal answer to many of his surplus hood passed. When a rat stuck his problems," said Milo Perkins in head out our cat would switch its summing up comment on the food tail and knock the rat dead.

stamp plan in a recent address be- " 'The next morning the cat had Atlantis. The crews of the Atlantis fore the National Farm institute, everything organized. He had an-Mr. Perkins administers this plan, other cat sitting on a fence as look- steamer, cut a large hole in the "We look upon the stamp plan," out, 16 cats dragging off the dead stern of the submarine, releasing its he said, "as a necessary stop-gap rats, 15 digging holes to bury them measure during this difficult period in, and 25 more covering them up. mergence. The S-5 subsequently sank when we are trying to find ways to A pussy was keeping score." out idle capital to work so that idle

New Data on Mars

Study of photographs of Mars minds. The man getting public assistance has to live on about five taken when it was at its shortest

Singing in the Bathtub

ests, "Would benefit to the extent of \$50,000 annually, if each farmer's average income from woodlands bathtub, despite the wear and tear were increased \$50 a year through on the neighbors' nerves, has been most likely to seize a bath towel, fied.

Soil Particles Graded

By Novel 'Wind' Gadget When dust storms of 1934 and 1936 darkened the sky from the Southwest to the Atlantic ocean the grit that settled at Cincinnati was finer than the particles dropped at Kansas City, and dust deposits at Washington, New York and Boston were progressively finer. A modification of what happens in a "duster" is the basis of a new device for grading soil particles developed in the soil conservation service laboratory at the California Institute of Technol-

When the laboratory staff needed soil particles sorted accurately according to size it developed a simple machine that creates a gentle "duster." The machine drops assorted sizes of sand or silt particles in suitable drawers, the coarser bits nearest the feeding hopper and the finer particles at a distance. For the most accurate sorting the staff members run the dried sand or silt through twice, first in a rough sifting by a slow breeze and second a resorting of fairly uniform material in a brisker but still mild draft. The sorting machine is a bell-

mouthed wind tunnel about 15 feet long with a grating as a floor to let the sorted material drop into the collecting drawers below. A small electric fan draws air through the tunnel at not more than 21/2 feet a second, less than two miles an hour.

Dry sand and silt is fed in a thin sheet from a hopper on top of the tunnel. Larger particles drop almost vertically. The finer the sand or silt particles the farther they are carried by the breeze. Particles of equal size drop at equal distances from the feeding apparatus. Walls of the tunnel are made as smooth as possible to prevent eddies, but there is some difference in the air action near the walls, so the drawers have partitions at each end and this material is rejected. What drops in the central compartment is graded more accurately than is possible with fine sieves. The machine will handle from 60 to 100 pounds an hour. stretch it as it never should have

by a strenuous rubdown," the instr 13th Century Mummies

tute reported. "The result is a bat! Found in Arizona Cave towel that is ruined by having its body stretched out of shape and its Three perfectly preserved mummies, complete with the feathered threads torn." The institute con cluded that "such maltreatmen robes and trappings in which they were interred during the Thirteenth ranks with shoe wiping and razo blade cleaning as chief causes northern Arizona by University of Arizona scientists.

university staff, a party made the Women are superior to men in discovery in virtually unexplored reeaching foreign languages to be gions of the northeastern section of ginners, according to a study enti the state while searching for evidence and remnants of the great sued by the Columbia Universi Pueblo culture of 700 years ago. Press. Women generally speak The mummies were found in a much faster than men and if one car holy shrine called the Painted Cave, understand the average woman talk apparently a place of worship for ing at her natural speed, it will be the Pueblo tribesmen.

The bodies-one of a woman and two of children-were wrapped in robes of turkey feathers and ornately colored blankets.

Despite the fact that the mum-While en route to Baltimore from mies were almost seven centuries old, Dr. Haury said some of the feathered robes "were almost perfectly preserved." One, he said, still

was soft and silky to touch. The walls of the cave were covered with designs and drawings repuntil her bow was embedded in the resenting Indian conceptions of their gods and real-life scenes of consea bottom. By blowing the main temporary life. Dr. Haury said the and after tanks the stern was lifted Pueblos painted the pictures with above water. The crew then drilled their fingers, using a paint made of a small hole in the stern through which they passed a rod flying an

by bowls of corn, other food and jars which apparently once contained water, interred to help them on their long journey to the "happy

ited the collecting of full-grown oy-Modern Judas cents a meal. If he's lucky enough distance from the earth-approx- take vengeance on him because he of these regulations represent the to live in a town where the stamp imately 37,000,000 miles-has en- had betrayed his fellow partners in earliest known law ordering such plan is operating, he lives on 71/2 abled scientists to arrive at definite crime caused John Strong to hang protection, and were presumably cents a meal. When it's possible for conclusions. An expedition was himself in his cell in Pentridge jail, due to biological experiences which him to get off relief and get a good sent out by the Pulkovo observatory Melbourne, Australia. Strong was indicated even in those early days job at good wages he spends 12 and Leningrad university. It worked serving a five-year sentence for the necessity for conservation of in the summer of 1939 at Tashkent, complicity in a daring holdup. At natural resources, says Dr. Fritz capital of the central Asian Uzbek his trial he was branded as a Judas Haas of the Chicago Field museum. republic, where atmospheric condi- who had sold his fellow criminals Furthermore, the measures taken A few towns and cities have had tions are favorable, and took more for 20 pieces of silver by betraying were in accordance with the diclong and satisfactory experience than 500 photographs of the red the others to a detective. This so tates of modern science, and thus with community forests. Others are planet. It has been determined that preyed on his mind after this con- the proper ones to achieve the purstarting forests, often to protect the Mars has quite a dense atmosphere, viction that he asked the jail of poses sought. water supply. A well-managed com- in which something resembling ficials to protect him from the other munity forest serves as a demon- clouds and mists are formed. Study prisoners. This they did, but his stration of good forestry practice to of the "mainlands," the dark sec- nerves became more frayed each owners of nearby woodland or of tions, showed that they are regions day until he could stand it no wasteland that might better be covered with sands containing fer- longer. growing trees. "A community sery- rous oxide, explaining the planet's

Want to Rent a Duck? vented a new wrinkle in profiting The habit of singing in the from birds, according to the National Wildlife federation. These lads among them owned a number better forest management. This recommended to save the wear and tame ducks. The housewives of the would have essentially the same ef- tear on bathroom linens. Scientists neighborhood were having insect fect on business as though an in- at the American Institute of Laun- trouble in their gardens, so the boys dustry were started that would pro- dering approved of bathroom yodel- rented the ducks at 50 cents apiece vide a pay roll of \$50,000 a year." ing after research showed that it per day for the purpose of destroytakes the place of a too-vigorous ing the insects. The birds did rubdown. "The silent bather is good job and everybody was satis-

Quality That Satisfies

century, have been discovered in Headed by Dr. Emil Haury of the

desert plants and roots.

The mummies were surrounded

Oysters' Protection

In 1375, King Edward III of Eng-

and efforts to salvage were aban- land forbade the collecting or removing from their beds of young oysters in any month of the year except May. His edict also prohib-

Fear that fellow prisoners would sters from May to September. Both

A group of Austin, Texas, boys in-

ered in 1898 by the late Mme. Curie which costs \$2,000,000 an ounce, will

'Polonium' Spark Plugs

Polonium, a rare element discov-

be used in an alloy compounded for the electrodes of a new spark plug. Sufficient quantities of the metal are included in the alloy to fill the air immediately around it with enormously powerful alpha rays, said to be the most potent ionizing rays known to science. Ionization of the air is expected to cut a better path for the spark, making it possible to start a motor more quickly, accelerate it faster and make its performance more economical. Polonium is said to emit 4,000 times as many alpha rays as radium. Its use in spark plugs has been the subject of six years of research. Mme. Curie discovered the metal in pitchblende before she and her husband discovered radium The element is named for her native Poland.

Sprinting Pig Perhaps looking forward to the day when a fleet foot might save him from the slaughter house, a baby pig at Wilton, N. H., tries his luck at outdistancing automobiles.

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MILTON

The SNAPSHOT GUIL



See that the shadows are properly illuminated in your summer snapshots of people. Here, a bright, sunlit sidewalk reflects light up under the hat brim, and helps give shadow detail.

A S SUMMER approaches, outdoor | reflects quite a bit of light up under lighting on sunny days becomes the subject's hat brim. more and more contrasty. The sunshine is brighter, the blue sky does | readily. A white card, or one covnot reflect as much light as a gray | ered with crumpled tinfoil, serves winter sky - and in consequence, nicely for small areas. A white shadows tend to appear stronger sheet also will do. and blacker in your pictures.

Of course, in some pictures you really a variation of the "open want strong black shadows to cre- shade" method. The subject is ate a desired pictorial effect. But placed with his back to the sun, so in most pictures—and especially that his face is in shadow, and exsnapshots of people-you want de- posure is about the same as for an tail in all the features. Certainly "open shade" shot. In the picture you do not desire deep shadows above, if the subject faced to the around the eyes, nose, and lower left, you would have backlighting. lip-for these make a person al- The dark background would then most unrecognizable.

To avoid such shadows, or get print the subject's face should apdetail in them, there are several pear lighter than the background. methods. The simplest is to place your subject in open shade-not not let sunshine strike the lens. under trees-facing the clear sky. Use a lens hood, or have someone Then give about double the average | shade the lens without obstructing "sunshine" exposure—say 1/25 sec- its view. ond at f/8 lens opening, on average speed film on a bright sunny day.

A second method is to use reflect that they are properly illuminated tors, or place your subject where For example, in the picture above, fect in your prints. a light-colored concrete sidewalk 284

In taking backlighted pictures, do Watch the shadows when you are taking pictures this summer. See

-make sure the contrast isn't too there are natural reflecting objects. | great-and you'll get a better ef-John van Guilder

Excellent reflectors can be made

Backlighting is another device-

be even more important-for in the

The pig races a car going in one direction, but reverses its track when it meets one traveling the