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-Persibility of elimital operations for f galistones was foreort to the American or the Advancement Dr. Arno Viehoeiladelphia College of

se telescope fish, secrets because it. inletely transparent, ich an advancement entment possible, he muse for the first sible to study directorganism the action in cleaning out the

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et To Farm

t Neglected Crop, -Pastures Should vergrazed. cakened appreciation

f grass, posture imles have become maexperimental farms n every province of Exceedingly profitom the application of zers have been dethe economy of the med on many a farm ak carrying capacity has been more than

es with light soils, a have shown a pree Spring application willizers of 2-12-6 or but in the better and especially where ent in the herbage. as of high phosphateer of the type 0-16-6 proved practice. The se minerals promotes thus fortifying the t drought and Winlefinitely encourage of wild white clover, ares to the point of ant food in the soil wactice, dating back unlimited areas of d has no place in of our modern high

For Some ung in 1939

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Almanack says: may appear to be huancial and ecoso stubborn a mamuspable of relief to the printing a difficulties are he position of Musprecarious.

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h Crabs Their Tails

keys catch crabs It's a common lonies of them he beaches lookles. A tail goes and as fishermen so the monkeys evading the crab's ing it to the sur-

b is above ground unces on him.

has 2,000,000 cats serious crop short

Classified Advertising

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SEND FOR OUR LOW PRICES FOR July and August day old and started Barred Rock, White Rock, New Hampshire Red and White Leghorn, cockerels, pullets or mixed chicks. Prompt delivery guaranteed. Tweddle Chick Hatcheries Limited, Box 10, Fergus, Ontario. CATCH UP AND CASH IN ON THE high egg prices early next Winter with Bray started pullet chicks. We have some 2 and 3 week old Leghorn pullets available. Order now while the supply lasts. Bray Hatchery, 130 John St. North, Hamilton, Ontario.

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\$59.00 Smart 4 piece suite in walnut finish, large dresser, chiffonier, vanity, full size bed and sagless spring. Like new. \$69.00 Large suite, dresser, triple mirror vanity, chiffrose, full size bed, sagless spring. Cost over \$200.00 new. Perfect condition. \$19.50 Large dresser, full size bed, sagless spring and brand new felt mattress.

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leather upholstered chairs. Perfect \$119.00 Burl walnut suite, large buffet, closed front, china cabinet, extension table and 6 chairs with backs and seats upholstered in blue mohair. Cost new over \$400.00. Completely refinished. \$49.00 Beautiful 3 piece chester-

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\$4.95 1 odd chesterfields, mohair covers, Marshall reversible \$17.50 3 smart 2 piece suites, chesterfield and 1 chair to match in fine mohair covers. \$14.95 6 piece breakfast suites. 86.00 ice boxes, \$11.95 Singer sewing machines, \$4.95 gas stoves, \$3.95 brand new felt mattresses and hun-

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"If we get any more kinds of taxes on which we have to keep records," sighed the druggist, "I'm going to have to keep my record books on the shelves and put my stock of merchandise in the safe."

Algeria has lifted its ban on shipping its beautiful horses abroad.



Sanctuary As **National Park**

Jack Miner's Place at Kingsville Is Both Haven for Birds and Beautiful Parkland

By Lance Connery Far better known for his cham-

pionship of the principles of wild life conservation, Jack Miner is nevertheless a keen student of tree and plant life. Proof of this is seen at his bird sanctuary in Kingsville, where the roadside leading to his estate is lined with literally thousands of gorgeous blooms.

Yes, the naturalist has spent nearly as much time on trees and flowers as he has on his feathered visitors. Perhaps one of the choicest iris beds in North America may be seen at his home, grown through the years from bulbs donated by an admirer of the naturalist.

Flowers and Birds Few gardens on the continent are made up of flowers gathered from

such a wide range of climate and territory. Practically every state of the Union and every Canadian province is represented. And this floral beauty is in no way commercialized. Many a sick

friend has enjoyed a magnificent

bouquet of breath-taking beauty,

hardly realizing that the finest blooms in North America were his. The naturalist has clear-cut views on flowers as gifts. Give flowers to the living, not neglect them for the dead, he counsels. At a recent birthday celebration, Jack Miner told reporters he would have no desire to live, but for children, flowers, birds and music. And he

What Science Is Doing *

meant it.

Fish Out of Water Dr. A. G. Huntsman, of the University of Toronto, says in the current issue of "Science" that fish out of water do not die of suffocation but of over-exertion.

Chemical examination of the muscles of the fish in their normal state and when exhausted after a struggle show that the fish after a struggle have used all the glycogen, a sugarlike fuel substance, in their bodies and have changed it to lactic acid, which is like chemical ashes in the metabolic pro-

The lactic acid reduces the oxygen carrying capacity of the blood. This results, Dr. Huntsman said, in the asphyxiation of the cells of the nervous system, producing irreversible changes from which the fish cannot recover.

Speech Formation

Until recently there were two schools of thought concerning the problem of speech production; one held that the sounds came from the vocal cords and are modified by the resonances of the cavities in the throat, nose and mouth; the other held that the vocal cords supplied the puffs of air which

STARTING A ROCK GARDEN

garden, study the site to decide on

a size and shape that will blend in-

to the garden design. Place the

stones so that two-thirds of each

one is beneath the soil surface to

simulate conditions to which most

of our rock garden plants are ac-

Arrange the stones in a natural

position-which precludes standing

them on their ends. Let the sur-

face incline toward the back so that

the rain water will drain into the

soil and not run over the forward

end. Potted plants of perennials

now in active growth may be ob-

CUTTING THE LAWN

Cutting the lawn 'ort often up-

sets the balance between top

growth and root system. In addi-

tion, it exposes the crowns of the

plants to the direct rays of the

summer sun. Young tender blades

are seriously affected. Much of the

soil surface also is fully exposed to

the sun, and water evaporates from

these areas at an alarming rate.

The roller of the mower should be

set as low as it will go so as to

raise the cutting blades one and a

half to two inches over the crowns.

The first and second cuttings with

the high blades perhaps leave a

somewhat disappointing sight since

the effect will be quite different

from the accustomed results. This

condition urges many gardeners to

fall back upon shaving the lawn in

the conventional style. But those

who have the courage to go on will

find the appearance of their lawn

greatly improved by the third cut-

ting, and when the fourth is com-

pleted they likely will be complete-

ONTARIO ARCHIVES

TORONTO

tained as planting material.

Before starting to build a rock

ward solving this problem has been taken at the Bell Telephone laboratories, New York, where Dr. J. C. Steinberg and D. W. Farnsworth have photographed the vocal cords, using a motion picture. camera, taking 4,000 pictures a. second. The pictures showed that although the vocal-cord tone is dependent to some extent on the particular sound spoken, the principal characteristics of the sound are determined by the resonant action of the cavities of the throat and mouth. Test For Cancer

were converted into speech

sounds by the cavities. A step to-

A diagnostic test for cancer, which uses Congo red dye as an indicator for the presence of a malignant tumor, is announced by two English scientists, Dr. C. Wetzier-Ligeti and Dr. B. P. Wiesner, in a preliminary communication to the editor of "Nature." An extract of the blood which has been freed of all protein matter is injected into the person suspected of having a malignant tumor and is later tested with the Congo red dye. Successive tests tell whether the blood is being regenerated. A failure to regenerate blood is a common condition when malignant tumor are present.

New Source of Insulin?

Discovery of a new possible source of insulin, which would eliminate the discomfort of injections by the hypodermic needle, was announced at Montreal last week with the publication of the current issue of the Canadian Medical Association Journal.

An extract, made by boiling the fresh or dried bark from the roots of the Devil's Club, a shrub that grows wild on the British Columbia coast, has given remarkable results in reducing the sugar in the blood of a group of test

Discovery of the substance by the research workers, Dr. R. G. Large, and Dr. H. N. Brocklesby, was made by chance. "Our attention," the article in the Journal points out, "was brought to this material through the examination by one of us of a surgical patient who, on hospitalization, developed marked symptoms of diabetes.

"This person, it was learned, had kept in apparent good health for several years by oral doses of an infusion of this root bark, and is in fact still leading a normal life with the aid of this infusion." "Such a preparation has long been used by Pacific Coast Indians, though for what specific purpose is not clear."

Decrease Tuberculosis Deaths A four hundred per cent. decrease in the number of deaths from tuberculosis among young children has been brought about recently by the use of tuberculosis vaccine, the American Association for the Advancement of Science was told at Ottawa early this

This development of immunity to the "white plague" among children, the most susceptible group, has been achieved by the use of the bacillus calmette-guerin vaccine, originally developed at

CANADA LILY

dense) also is known as meadow

lily and wild yellow kily. It is more

common than any other other of

our native lilies, ranging from New

Brunswick and Ontario southward

While it does well in the garden,

to Missouri, Georgia and Alabama.

provided favorable growing condi-

tions are present, plants found in

the wilds usually are superior in

stature and number of flowers to

the stem. When in bloom they

stand anywhere from two to five

feet in height, carrying from one to

ten flowers at the top of the slen-

der but strong flower spike. The

inidvidual blooms are two or three

inches in length, and when fully

The bulbs may be planted in ef-

ther autumn or spring. They resent

lime in the soil, and should be cov-

ered about two inches deep. In

their native haunts they take kind-

ly to semi-shaded positions. They

also appear in open mountainous

meadows, where they never suffer

from want of moisture. The bloom-

ing season falls in June and July.

Insect, snake, or animal . . the best treatment is plenty of Minard's at once. It soothes, heals and cleanses.

Draws out the poison !

MINARD'S

"KING OF PAIN"

LINIMENT

open are almost twice as wide.

The Canadian lily (Lilium cana-

month.

... Gardening Notes...

A young man applied for a position and was granted an inter-

bition?" Young Man-"Ambition? I shall never rest until I see you out of

The Little Cabin poor man's children play, Have the feet of time passed lightly o'er the threshold day

by day. door to all swings wide glorify the eventide.

Only on the little cabin with a door-way rose-entwined Has the hand of Time fallen gent-

second Abraham Lincoln?"



The same of the sa

the Pasteur Institute in Paris, France, more than ten years ago. Dr. J. Baudouin of the University of Montreal declared.

Touch Sense Studied

The study of single layers of molecules, which at first appeared to be of purely academic interest. is likely to become of great importance in explaining obscure phenomena that have been puzzling scientists for a long time. One of the problems is nerve conduction. It has long been a mystery how, if we touch something, the knowledge of that contact is relayed to the brain over the nerve

Dr. Irving Langmuir, of the General Electric Research Laboratories, New York, in an article in the current issue of "Science" describes the overturning of these layers and concludes that this phenomenon "may help explain the mechanism of the propagation of nerve impulses."

YOU

view. After the usual preliminaries the manager said: Manager-"Have you any am-

that chair."

Only in the little cabin, where the

Only in the little cabin, where the Does the ring of carefree laughter

ly, leaving simple joys behind.

Jerry-"I read Winchell's column aloud just to annoy the neighbors. There's a fellow, that Winchell-a second Abraham Lin-

Jerry-"He's for the peep-hole, by the peep-hole and through the

Carter-"What do you mean, a

Teacher-"Now, can anyone tell me what a myth is?" Little Loretta-"Please, teach-

er, it is a female moth."

Sick Man (as the nurse let him sit up for the first time) - "Gee! I wouldn't let them operate on me again for a million dollars!" Doctor (coming along just then

with a worried look on his face) -"I'm sorry, but I shall have to open you again."

Sick Man (letting out a roar)-"Nothing doing! I won't stand for it! I won't stand for it! Absolutely not!"

Doctor (arguing) - "But, it's something that just has to be done. You see, a terrible mistake was made. When I sewed you up I left one of my rubber gloves inside you."

Sick Man-"Is that why you wan to open me again?" Doctor-"Yes." Sick Man (smiling)-"Don't be

silly! Here's a quarter-go out and get yourself another rubber Scotch Classification

go nine holes without losing a ball. Second Class Caddy-One who can go eighteen holes without los-

Third Class Caddy: One who can

ing a ball. First Class Caddy - One who can go nine holes and find a ball. Two women were gossiping

about another friend who had been taking beauty treatments: First-"Why you know, my dear, I understand that her beauty doctor did an excellent job in

making her look younger!" Second (snapping) - "Yes. She's almost able to travel half-fare

Swiss Abolish Death Penalty

Swiss voters in a national plebiscite last week adopted a new Federal penal code, aimed at unifyi: the canton 1 codes, of which the country formerly had 25.

The new code abolishes the death penalty and aims generally not to retaliate against but to improve the criminal. A judge's first consideration will not be the actual crime but the motive.

Insane Cared For The code also provides means to protect the community against habitual criminals such as drunkards, incorrigible wr. .. gdoers and cases of incurable insanity by confining the victims in sanitariums or prisons for in efinite periods.

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Sept. 17 G'way, B'fast, L'p'l
Sept. 17 Cobh, S'hampton,
Havre, London
LACONIA
Sept. 21 Ch'b'g, S'hampton
Sept. 23 G'gow (via Greenock), Dublin, L'p'l Passengers must embark for the return journey not later than 28

days from the time of landing at European port. Apply to your local travel

DONALDSON ATLANTIC LINE

Some Highlights Of Examinations

Young People Writing High School Entrance Think Life In South Africa Is Rather Tough

Life in South Africa must be pretty tough, if the writers of some papers turned in at the High School Entrance examinations last month are to be believed, says the Ottawa

Journal. Same rather weird geographical and meterological ideas were propounded also and had the examiners guessing.

Some of "Howlers." Following were some of the "howlers":

"The people of South Africa are all mixed up." "In South Africa, the people are mostly Bores."

"In South Africa the Winters are very bad, almost dense." "The Union of South Africa has very few rivers suitable for agriculture."

Red Hot Dessert "The surface of South Africa is

simply a red hot dessert." "The Gulf Stream makes Newfoundland and Ireland very mod-"The earth travels at a terrific

speed, and the north hemisphere comes into the equator on a slant." "The air does not move towards the north because the wind blows it back."

"Winds blow to the equator because there is much space there."

Pilots Should **Eat Spinach** Vitamin "A" Needed for Good

Eyes, Military Doctor Says A U.S. army air corps medical officer told military pilots to eat their spinach and take their cod

liver oil if they want to avoid accidents and stay alive. Major John Hargraves, flight surgeon in the school of aviation, medicine, said in the air corps' news letter that he wanted to maintain and improve the eyesight of pilots,

The same warning, he added holds good for motorists, particularly those driving at night or on long trips.

Essential to Sight A chemical essential to sight is constantly being used up by the action of light on it, but is replaced immediately if there is sufficient vitamin "A" or _arotene in the diet, Dr. Hargraves said. Otherwise the supply of chemical, known as visual purple, in the eyeball diminishes and vision becomes increasingly impaired.

Where To Get It Most people ordinarily obtain enough vitamin "A" or carotene, the physician said. He recommended, however, that as a protective measure, all pilots above the ag- of 35 include in their daily diet foods which contain 4,000 units of Vita-

min "A". That amount, he added, can be obtained from leafy vegetables, such as spinach or cabbage, one quart of milk, butter, egg yolks, animal fats, liver, carrots, green beans or peas, sweet potatoes and pumpkin-or from one spoonful of cod liver oil a day

Hair Turns White Then Dark Again

Elderly Man, Aged by Shock, Puzzles Court and Doctor

"By some extraordinary process, which is difficult to understand, the accident produced a shock which acted on the glands of the body and resulted in old age, a man of 56 changing to a man of 70. Now he has the advantage of us in looking forward to getting younger instead of older."

This was the comment of Judge Dale, at the Birmingham (England) county court, in awarding compensation of \$125 against a metal firm in favor of Alfred Barnes.

Fingers Were Crushed While in the firm's employ in April, last year, counsel for the plaintiff testified, Barnes crushed the fingers of his left hand and the tops of them were taken off. But the most serious feature was that owing to shock he was "precipitated into premature senility."

His hair dropped out, and when it grew again it was white. His appearance changed so much that his friends and a sailor son who had returned from the East on leave passed him in the street without recognizing him. He was unable to find work.

Case Is Unique In evidence, Dr. A. F. Thompson said the case was unique and he could not trace an exact comparison. He had lectured on the case and when asted to guess Barnes's age medical students had put it at

Subsequently Barnes's hair, which went snow-white, had changed slowly week by week and had begun to resume its normal dark