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tes D. C. Shur-Experimental reasons many It is never great deal in planting done well will bring nort time. The ful flowering eryone can afe or two at a tubs too close house, but try will be from anting, and alvelop the proearth is poor, e around new twenty inches garden soil, stied manure. the centre, betanure coming te roots. Culdonally for at bree years or stablished and rowth. When in a shady hoose species ie. Order the uit trees and if the ground arrival, "heel out in a shalh moist earth. t appears dry at also. The is not to let the air even hem into pern as possible irst few days. trees it may mide supports way of stakes igid, preventng loosened.

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## Sunday School Lesson

April 10. Lesson II-How Sin Begins -Genesis 2: 15-17; 3: 1-8. Golden Text-Watch and pray, that we enter not into temptation.-Matthew 26: 41.

ANALYSIS. 1. THE PROHIBITION, Gen. 2: 15-17. II. THE TEMPTATION, Gen. 3: 1-5 III. THE SIN, Gen. 3: 6, 7. IV. THE CONSEQUENCES, Gen. 3: 7, 8.

INTRODUCTION-From the story of creation the Bible proceeds to he story of the garden. The connection between the two accounts is not important. It implies that God is concerned, not only with creating man, but with forming an ideal environment for him-an evidence of God's goodnes and loving care. What an enchanted garden it is, with trees that bestow knowledge and life, and animals that talk! This garden, like the far country in Christ's parable and the coad which Christian traveled in Bunyan's "Pilgrim's Progress," belongs to the map of the soul rather than to that of the earth. The motive of the story is to explain the universal but mysterious fact of human sin with its dire consequences. I. THE PROHIBITION, Gen. 2: 15-17.

Life in Eden, though pleasant, was not idle. There can be no genuine happiness without a worthy vocation. So Adam must tend the trees of the garden. In his life he was given a wide liberty of choice; he could eat of any of the trees of the garden. Without this freedom he could not fully express his personality. But there is a limit to human freedom. There was one tree of the garden which was not to be touched—the tree of the knowledge of good and evil. Just as the people of the Middle Ages sought for the fountain of eternal youth, so the ancients believed 'hat certain trees would bestow knowledge, as certain waters would bestow life Here the forbidden tree is surely to be understood as a symbol. It stood as a divine warning against human presumption. It said, "Thus far shalt thou go and no further." Knowledge of life and the world, which is won by the sacrifice of peace of mind and purity of heart, is both illicit and impious. II. THE TEMPTATION, Gen. 3: 1-5

Never have the stages which lead to sin been depicted with such penetrating, psychological insight and with such simple, powerful strokes as here. Even an ideal environment is not proof against the possibility of sin. The serpent is not to be understood as the devil of Christian theology, although it became identified in later thought with him; it represents simply the agent by which an evil suggestion came to man. It commenced by exaggerating grossly God's prohibition, as though every tree of the garden were under the ban. It thus sought to create the impression that man's lot is unnecessarily hard through the severity of God. The serpent seemed more compassionate than God: life, under his management, would be less austere. At first the woman repelled the suspicion that God is unnecessarily harsh. She corrected the serpent; only one tree is prohibited. Ah, she was made to talk -and about the prohibited tree! The serpent now became very bold and branded God's word as false. shall not surely die," he said. God is, there ore, a tyrant who lays down a Adam and Eve, but merely to restrain them from the happiness that might a sapphire cast silk crepe made the be theirs. Further, in eating the fruit original. It's an adorable affair. of this tree there is a wondrous toon | And it's really quite simple. It reone's soul to feel that one is going through life like a blind man, missing its priceless things. These were the suggestions sown in Eve's heart.

III. THE SIN. Gen. 3: 6, 7 The serpent, having done its work, disappeared. Eve's curiosity had been aroused. She looked at the tree and noticed what she had not previously fashioned of a lovely cotton tweed in observed, that the forbidden fruit was red and brown mixture. For the colof pleasant appearance. Next, her de- lar, cut the material on the bias and sire was kindled. How glorious it pipe around lower edge with red bindmust taste. How mysterious its power ing. Match the belt in leather to the of bestowing knowledge! The fatal collar, step was taken swiftly and thoughtlessly. Then, as sin loves company, Eve tempted Adam, and when woman tempts, man is powerless to resist.

"The opening of the eyes aptly symbolizes the awakening of con-Eden, and gained a conscience.' The innocence of childhood was gone, and shame and fear came in its place. No

THE REAL PROPERTY AND ADDRESS OF

by the way of obedience. It is a familiar fact of life that the unhealthy growth is the more rapid. The child ages more quickly in ways of sin, and the bad boy usually knows much more of life's good and evis than the healthy, normal, right-minded boy of his own age."

IV. THE CONSEQUENCES, Gen. 3: 7, 8. These early sinners had hoped to gain knowledge of the highest, but the knowledge they won was merely that they were naked! Sin produces shame. For they had now to cover themseives, and they chose fig-leaves. Sin also separates man from his God. In picturesque simplicity the story tells how God walked in his garden in the cool breezes of the morning and how Adam and Eve could not look into his searching eyes.

#### First Spring

Ah it is well that grass now light to emerald: That hyacinths in purple and pink

That Illies lift in sheer and sudden whiteness.

While daffodils burst softly into gold. For soon, across the earth, dull-hued as parchment,

message worthy of the fairest col-

A message must be written by a

"The Lord is risen again! Lo, death is done!" -Violet Alleyn Storey in the N.Y.

### What New York Is Wearing

BY ANNEBELLE WORTHINGTON Waists Uncertain But Neck Illustrated Dressmaking Lesson Fur-



Just another smart frock for "best" for that important age of 8, 10, 12

and 14 years. flects the Victorian period in its quaint puffed sleeves and round lace trimmed neckline.

Style No. 2622 can be made at a very small outlay.

Then again, perhaps you'd like

Size 8 requires 21/8 yards of 39-inch material with 14 vard of 35-inch lace and 3 yards of 3-inch ribbon.

HOW TO ORDER PATTERNS. science. So Newman says, 'They lost ly, giving number and size of such ing scientific and cultural aspects of patterns as you want. Enclose 20c in our modern world. stamps or coin (coin preferred; wrap "As the child grows older the need doubt the moral maturity which an it carefully) for each number, and for the parent to continue his studies awakened conscience implies vould address your order to Wilson Pattern in order to keep up with the child is have been reached, but more slowly, Service, 73 West Adelaide St., Toronto. necessary."

# New Breed of Cattle to be Developed



Known as Africanders, a herd of these strange-looking cattle has been purchased by the United States department of agriculture and will be crossed with Texas beef stock. W. H. Black went to

### Blue Predominates In New York Parade

Lines Are Definitely Higher

New York.-There was a distinct blue note in the traditional spring para great many country cousins strolled down Fifth Avenue. The blue note was not due to over-

cast skies, but to the whim of the mys-New York or somewhere—who dictate what the well-dressed woman will

man will wear blue most of the tim this season. The styles displayed along the Avenue were emphatic. Hats were small, tipped over one ear. Rough

woolen material of a loose weave was seen frequently and there were many striped costumes. The stripes appeared to have in vaded every phase of the new styles They were usually three colors-red white and blue or red white and black.

tentimes trimmed with red and white Most of the dresses were a pale shade Black costumes also were popular. The silhouette was intriguing, broad

at the shoulders and narrow at the hips. The waistline is still wavering between its natural level and a slightly higher point of the directoire period. This trend also has inspired higher neck lines, and in the smartest street dresses the neck line approached the collar-bone.

#### This time a lovely deep blue with American Professor Urges Adult Education

courses of Hunter College.

Vivid red crepe de chine is very all parents to continue their studies, and Stephen Leacock. The Duke of program at home or by participating problems of the day. in organized courses given by a college university or some other educational institution.

"Such organized study at home or in an educational institution is desirable even for the graduates of the college and the university. For those lacking college training such study is indispensable especially if the parent would fulfill his obligation to his child Write your name and address plain- and keep abreast of the swiftly chang-

# Shift in Population

Ottawa.-Rural population to-day represents 46.20 per cent, of the total the census taken last year.

The rural population to-day is 4,802,-138 and the urban population 5.572.058. ade when fashionable New York and Comparatively figures a decade ago land. It would be better if they could were 4,435,827 and 4,352,122 respec- be drilled into the ground like seeds. tively. Thus, during the ten-year Convinced that this is the correct period the urban population increased principle, a Southern research organiby 1,219,936, or 28 per cent., and the zation has developed a method of mak-

Canada increased by 1586,247, or 18.05 | the American Institute of Chemists re-If you're still in doubt, the W. D. wo- | per cent. to the total of 10,374,196. | cently. During the same period the gain in the United States was 16.7 per cent. and in homeopathic pills were considered, but England and Wales somewhat less the pharmaceutical equipment rethan 6 per cent.

to the city is found in Eastern Canada, very small apertures. Spaghetti-like and in particular the industrial areas strings came out, which were dried of Quebec and Ontario, although the and then cut into granules an eighth the census was taken, in June of last ed which can be forced into the ground year, governments in Canada have in any desired dosage by means of a The hats were mostly blue, and of- been giving attention to a back-to-the- farmer's ordinary drilling machine. land movement which has been instru- They are very hard and dense, and unimental in settling in agricultural em- form in size and shape. The perfectly only some advice and guidance.

#### Royal Family's Taste in Books Extends Over Wide Range

London.-Prince George's confession that he has a keen appetite for novels, but is tired of their incessant harping on sex, is a reminder that he is the book lover of the royal family. He is as interested in first editions as his father is in stamp collecting.

The public life of the King and other members of the royal family leaves Adult education has become not only little time for light reading, although a necessity but an obligation, accord. the King's partiality is toward the olding to Professor A. Broderick Cohen, er novelists-Dickens, Thackeray and director of the evening and extension Scott, and occasionally Conrad. Biographies and historical romances are the In a recent interview Professor Co. Queen's favorites. The Prince of hen declared: "It is an obligation of Wales likes Kipling, P. G. Wodehouse either by some more or less regular York turns to serious and economic



Percy-"By jove! Betty-"Be kind to the little stranger."

## Latest Advances of Science Electric Plows Tested in Europe

Pills of Fertilizer-Germans Speed Cooking-New Radium Field To Be Developed in Canada

fully operating in Europe. They are and discovered radium valued at well expensive but efficient. Costing as over \$1,800,000 at present prices for Company. they do from \$15,000 to \$20,000 each, the same amount, is planning to estabthey are beyond the reach of the aver- lish a refinery at the scene of the digage farmer. In France they are rented. ging. Community utilization seems to be the This will further reduce the great practice so that the power company cost of getting the valuable pitchby which a plow may be owned makes blende ore, containing the radium, out the most of its investment and the pos- of the wild area by airplane. In consibility of selling electric energy.

rate of about three miles an hour and Belgian expert, Mr. Pochon, and on his covers as many as thirty acres a day. return from Europe in June plans will The cost of electric current at 2 cents be considered for a refinery. The plant a kilowatt-hour amounts to only 60, will include crushing and grinding macents an acre. A contractor who owns chinery, as well as the chemical equipa plow and hires himself out to farm- ment for readium extraction. ers charges from \$3.50 to \$6 a day. The Department of Mines at Ottawa Allowing the usual rate for interest on is lending all possible assistance tothe investment depreciation and oper- ward working out ways and means for ating costs, he ought to make money. | the treatment of the radium-bearing

usual gasofine tractor. Two portable ceived 600 pounds of ore for experidrums are set up at opposite ends of mental purposes, and the company prothe field along a straight line. A steel poses to ship twenty tons of ore, now rope from one drum is fastened to the stored at Waterways, Alta., to Ottawa name. Each letter houses 100 40-watt rear of the plow and paid out as the for further test purposes. from the second drum is fastened to Water Power in the front of the plow and does the actual hauling. At the end of the fur-Noted in Dominion row the plow is turned around to begin the return journey and dig a new central electric stations in Canada ac- fication marks of the line, stand out

#### Pills For Plants

Fertilizers are scattered over the terious men and women—in Paris and rural population by only 366,311, or ing fertilizers in an entirely new way. The process was described by B. G. In the ten years the population of Klugh before the New York chapter of

At first pellets about the size of quired to produce them was too intri-Generally speaking the most pro- cate and expensive. It was decided to nounced movement from the country form a paste and to extrude it through tendency is spreading westward. Since of an inch long. Pills are thus obtainof blue, trimmed with pearl gray and ployment on their own land or as em- smooth outer surface presents so little with light blue slippers to match. ployees, some 45,000 individuals who area to the atmosphere that the abrequired no financial assistance but sorption of moisture is slight. Even after four months there is little tendency of the pill to cake.

#### Speed Cooking

all their tradition, they are as much interested in modern home comforts as

Not only are they speeding up some of their trains, but there are signs'

displayed at the fair a "central heating range" which can be used not only for cooking but for heating the entire house doing away with the necessity for separate fireplaces or stoves in the various rooms, which is still a widespread custom in Germany and other European countries. This special range has three grates, one over the other. Only the top grate is used for cooking: the middle grate is intended for use in milder weather when the house requires only slight heating, and the bot tom grate, where the flames are most intense, is for the winter.

which sought, near Great Bear Lake, face."

# Some 200 electric plows are success- to find gold worth about \$22 an ounce

nection with radium extraction, the An electric plow travels along at the company has engaged the services of a

There is nothing resembling the ore. So far the government has re-

furrow. What was the paying-out cording to the Dominion Water Power majestically in the surrounding dark drum now becomes the hauling drum, and Hydrometric Bureau, Department ness of the night. for the Dominion of Canada, compared There is no overhead trolley. Current of the Interior, is generated from The art of illumination on ship or to more than 50 per cent, in 1921, ac- is supplied by cables paid out from hydraulic installations. The proportation ashore often finds itself overlooked tion of hydraulic installation available and disregarded and men are slow in for public use is steadiy growing to admitting and realizing its tremendous keep pace with the increasing demand possibilities. From flood-lighting the fields new adaptations are increasing throbbing engine-room, the art of alternating current radio, electrical re- board any vessel. frigeration, therapeutic appliances and general household devices in the domestic field; of improved commercial lighting and advertising in the commercial field; and of electro-chemical

and electro-metallurgical processes in industry constantly increases the demand on the central electric stations. At the present time there are 328 hydro-electric central stations in Canada with a total installation of 5,734,-491 horsepower. Of these totals, 226 stations with an installation of 609 turbines of a combined capacity of 4,241,-838 h.p. are owned by commercial organizations while municipal and other gating 1,492,653 h.p. The average installation of the commercial stations is 18,769 h.p. and the average capacity of their turbines 6,965 h.p., as compared with 14,634 h.p. and 6,168 h.p., the sound and echo is sufficient to respectively, for the municipal stations. Individual turbines vary in size from the 10 h.p. turbine used for ham- the theatre than at either front or let lighting to the great 65,000 h.p. back For all their easy-going ways, the units of the Chute a Caron develop-

Teacher-"Henry, can you define

a hypocrite?"

Germans are speed-conscious, and for ment on the Saguenay river. Progress on the Big

Bend Highway that they want to cook in a hurry. made during the past year towards the the mushiness is not so disturbing to What else would explain the market- completion of the Big Bend highway, the sensitive ear as in one only partly ing of a new "electric kitchen" with the connecting link in the western half full which, it is claimed, a full-size meal of the trans-Canada highway which fol- "Theatres built since the advent of for five persons can be prepared in 45 lows the course of the Columbia River the talkies usually are constructed to minutes? The device, which is also in British Columbia for almost 200 take care of the echo problem by prosaid to make cooking cheaper consists, miles. On the eastern end, which is viding sound traps and broken angles of stewing pot, frying pan and coffee being constructed by the National as well as by the use of non-reverberpercolator, all of which operate by in- Parks Service, Department of the In- ating materials." sertion of an electric plug. It was ex- terior, sixty-two miles of road from hibited at the Leipzig Fair recently. Golden have now been graded and sur-

Radium Refinery The Canadian mining company,

#### Flood-Lighting Invades the Sea

Within a short time every seagoing vessel will be flood-lighted for identifi cation purposes in the same manner that monuments and office buildings are illuminated according to Samuel G Hibben of the Westinghouse Lamp

Mr. Hibben amplified this statement before the Society of Naval Architects and Marine Engineers recently at a meeting in New York City. He said, as quoted in a press bulletin issued by

Every ship affoat to-day has certain characteristics whereby mariners, at a glance, can easily identify the vessel at sea or in any port of the world. Owners design house flags and markings for the funnels of their vessels in order that the lookouts in the various observation station throughout the world may easily "read" these vessels

ships look alike. Foreign steamship owners were the lighting their vessels. The North German Lloyd liner Europa carries a huge electric sign amidships on both sides of the vessel, blazing forth the ship's lamps, and can be seen on the ocean at a distance of five miles. Another recently completed flood-lighting in stallation is on the Italian liner, Conde Central Electric Stations Grande, whose two illuminated fun About 98 per cent. of the output of nels, on which are painted the identi-

for domestic, commercial and indus- lofty funnels of a ship to distributing trial energy. In all three of these light evenly in the very bottom of its the demand. The development of the lumination can perform wonders on

#### Where to Sit at the Talkies

Mechanics (Chicago), know that the position of their seats in many theatres affects the clearness of the sound they will hear from the screen.

speaker, echoes from the rear wall of public organizations operate 102 sta- the theatre. The words or music travel tions which contain 242 turbines aggre- to the spectator in the middle of the theatre, then bounce off the rear wall

and return again to his ears. "The human ear does not detect the is more noticeable near the middle of

"The patron seated well forward gets a loud volume from the speaker and an echo so faint as to be imperceptible. The person at the rear receives a lesser volume but the echo Considerable progress has been unnoticeable. In a well-filled theatre,

# Georgian Bay Islands

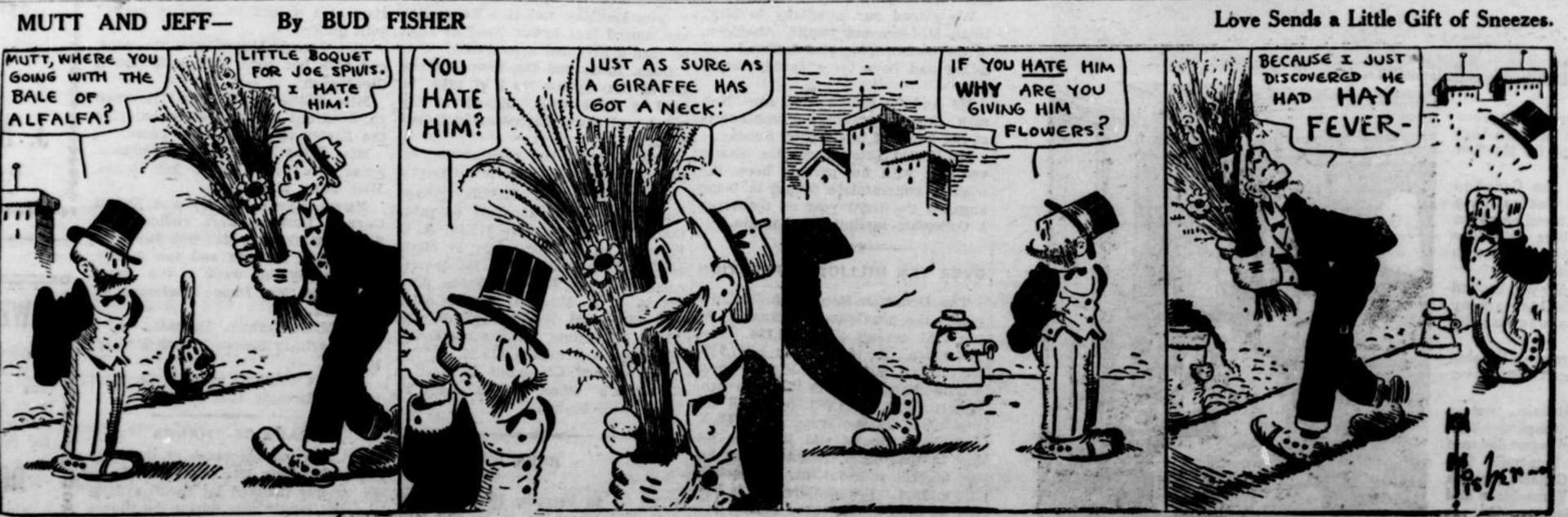
One of the engineering works carried out by the National Parks of Canada, Department of the Interior, was the re-enforcing of the base of the smaller of the two natural columns or "flower-pots" on Flower Pot Island, in Georgian Bay, Ontario. Flower Pot Island was recently acquired as an addition to the Georgian Bay Islands National Park from the Department of Indian Affairs, who had held it in trust since its surrender in 1856 by the Chippewa Indians.

The island owes its name to an in-Henry-"Yessum, it's a kid wot teresting rock formation which takes comes to school wid a smile on his the form of two picturesque limestone pillars which stand in bold relief against the lake horizon like two immense flower-pots on the edge of the water. The larger of the two has a height of about forty-five feet and a diameter of twenty feet. The smaller pillar is over twenty-five feet high and about fifteen feet through.

The waves and ice of Georgian Bay have been slowly wearing away the bases of these pillars and the disinte gration at the foot of the smaller flower-pot is now quite marked. Having an overhang of six feet, caused by erosion and lean, this pillar required immediate attention, and it was deemed advisable to strengthen the base with concrete. This was effected by pouring cement into the fissures of the rock and then building up the face with loose stone, thereby helping to preserve the natural appearance of the column. The larger pillar is still in very good condition with moss growing up the sides and rear, indicating a much slower rate of erosion than in the case of the smaller pillar.

"With outward gravity and inward amusement I have heard myself accused of statesmanship and - have liked it."-Carter Glass

MUTT AND JEFF-



ONTARIO ARCHIVES **TORONTO**