

CONDUCTED BY PROF. HENRY G. BELL

The object of this department is to place at the service of our farm readers the advice of an acknowledged authority on all subjects pertaining to soils and crops. Address all questions to Professor Henry G. Bell, in care of The Wilson Publishing Company, Limited, Toronto, and answers will appear in this column in the order in which they are received. When writing kindly mention this paper. As space is limited it is advisable where immediate reply is necessary that a stamped and addressed envelope be enclosed with the question, when the answer will be mailed direct.



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Subscriber: I have a few acres be better to add corn meal to the that I failed to get seeded. It over- buckwheat middlings? How much flows in the spring so I do not dare to should one feed to produce milk at put fall wheat in. I have sowed oats the most profit? on it for several years and seeded to Answer: Buckwheat middlings can June and timothy, but do not get a be used in a dairy ration. Prof. good stand. Part is sandy and part Henry in his recent book on "Feeds clay. Would it be better to seed with and Feeding" says: "Vermont Station reports that cows fed buckwheat

Answer: I believe the best you can middlings produced 8 to 11 per cent. do with this land is to sow it to bar- more milk than on an equal weight ley and at the same time seed it to of a mixture of equal parts corn and a mixture of timothy 4 pounds, red wheat bran. When fed as a contop 3 pounds and akeke clover 3 centrate the cows did not usually repounds per acre. This overflow land, lish buckwheat middlings and the , is difficult to handle, but the two quality of butter was somewhat imgrasses and clover which I have re- paired." Pennsylvania Station found commended all do well on a slightly buckwheat middlings and dried brewsour soil, and clover and barley are ers grains equally valuable for dairy comparatively shallow rooted. Do not cows. Jordan, formerly of Geneva, use more than a bushel and a half of N.Y., recommends 3 pounds of buckbarley per acre. You should get a wheat middlings along with 11/2 good yield of grain and a strong stand pounds cottonseed meal, 3 pounds of grass and clover, which when es- corn and cob meal, 25 pounds sugar tablished should stand for three or beets, and 15 pounds of good hay as four years. a daily ration for a thousand pound weight cow.

W. F.: I am thinking of raising some muskrats. I want to plant some

information on wild rice. Like other drain same, then plow it up and sow ways should return to his younger right on the farm, with no freight large yield for such ground. Wild rice some open drains to carry off the surface water of this land. Following the land will plow of Agriculture, has in the past few years handled a tremendous quantity bank of practically \$50,000. grow high grade rice at a later date. locations where the soil is sour. It However, for your purpose there is yields heavily and makes hay of fair quality. Under the conditions you out. Possibly it would be well for you describe I doubt if it would be posto plant ordinary rice. A seedsmen sible to get a good stand of clover, should be able to direct you to a since clover requires well drained

P. D.: Would buckwheat middlings from any good seedsman who will

The Dominion Poultry Husbandman gives the following timely advice to flock outside of the breeding season, and even during the breeding season it is better to mate only the best of trol of the Corn Borer; The Control Th

Publications. poultry keepers: Keep the houses clean and well ventilated. Do not shut and experimental farms, stations and help." Sixteen years old. V. 1 leads us shortage of any of the stanle kinds in the parent of the divisions and evening on the golden alters its shortage of any of the stanle kinds. the houses up tight to keep the hens warm, but open up the south side to keep them healthy. Have plenty of Agriculture at Ottawa announces that keep them healthy. Have plenty of Agriculture at Ottawa announces that bulletins on the following subjects on the following subjects one of the most prosperious reigns in priests were quite within their rights is plenty of clean litter in the nests: may be nad on direct application; Bee one of the most prosperious reigns in priests were quite within their rights. Diseases; Beef Scrap versus Skim- the annals of the kingdom of Judah. in restraining him. His anger was unpather twice a day at least during the summer months. Keep the eggs in Stuffs; Fertilizers for Flow-ally to have meant "straight." Thus in which the incense was mixed with summer months. Keep the eggs in as dry and cool a place as possible. Retain all dirty, small or cracked lock for Dairving and the Marketing lock for Dairving and the lock for Dairving and the marketing lock for Dairving and the Retain all dirty, small or cracked look for Dairying and the Marketing speaks of the narrow way which leads the censer was used to carry coals that the benefits derived from it resident gate and so located that the drain- and struction, and efficiency in such a way to have the straight gate. The on might be size and so located that the drain- and would cause us trouble again. regularly as possible. The males in Canada (3rd edition). Why and the sight of the Lord Judged by income. The larger on the size and so located that the drainage requirements of both farms will and would cause us trouble again.

An oil that is satisfactory for one regularly as possible. The males should not be allowed to run with the flock outside of the breeding season, Potato, its Cultivation and Varieties. In his early years.

of Dairy Produce; Swine Husbandry to the straight gate, Matt. 7: 14. In from the great altar to the altar of incense. The leprosy rose up, money invested in it. In drawing age requirements of both farms will be met. Should none but a poor outlet job is not just the oil to use for another. We do not use our grease on the color of insufficient depth and size be available.

front of the veranda, we ran curtains. These were large-sized sheets with number nine wire run through the upper hem. This kept them from the upper hem. This kept the upper hem. This kept the upper hem. This kept them from the upper hem. This kept the upper hem the upper hem. This kept the upper hem. This kept the upper hem the upper hem. This kept the upper hem. This kept the upper hem the upper hem. This kept them from the upper hem. This kept them from tearing and they could be easily slipped back and forth on the wire. One end of the veranda we curtained off and the veranda we

The young people of our community someone had a bright idea. We secur- to interpret them correctly. As long was no building suitable for such a several car lights. The two larger written to prove the truth of this turn, a man sold recently for the services of a competent drainage been a minister for nearly half a central car lights. The two larger written to prove the truth of this turn, a man sold recently for the services of a competent drainage been a minister for nearly half a central car lights. The two larger written to prove the truth of this turn, a man sold recently for the services of a competent drainage been a minister for nearly half a central car lights. The two larger written to prove the truth of this turn, a man sold recently for the services of a competent drainage been a minister for nearly half a central car lights. The two larger written to prove the truth of this turn, a man sold recently for the services of a competent drainage been a minister for nearly half a central car lights. purpose so it had to be an outdoor event.

I offered the use of my home, which, for several reasons, was very nicely mited to one plans. It has a lights we used for footlights.

Said that the book of Chronicles was been a minister for nearly half a century," a man said recently, "and in men utterly spoiled by prosperity. I have come to believe that few men can become prosperious and remain hum.

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The car lights we placed on poles, one at each the stage at the front so they lighted the whole stage and still men utterly spoiled by prosperity. I have come to believe that few men can become prosperious and remain hum.

The car lights we placed on poles, one at each this is passed that the book of Chronicles was been a minister for nearly half a century," a man said recently, "and in men utterly spoiled by prosperity. I have known a good many who seeks God prospers; the man who age requirements of the entire farm, become prosperious and remain hum.

The car lights we placed on poles, one at each this is passed that time I have known a good many who seeks God prospers; the man who age requirements of the entire farm, become prosperious and remain hum.

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The car lights to prove the truth of this time.

The car lights the book of Chronicles was been a minister for nearly half a century," and in time.

The car lights the book of Chronicles was defined and all comment to prove the time.

The importance of designing a plan age of the importance of designing a plan age of the I offered the use of my home, which, for several reasons, was very nicely suited to our plans. It has a veranda along the front of the stage and ran along the front of the stage along the front of the stage and ran along the front of the stage and ran along the front of the stage and ran along the front of the stage along the front of the stage along the front of the stage along

The Friendly Rablis.

Lou Melinda Lovett Was a most well-mannered lass; She spoke to every creature That she might chance to pass.

She greeted all the poultry With little smiles and bows And nodded to the horses And curtsied to the cows.

The butterflies and robins Responded to her brightness; The surly turkey gobbler Was touched by her politeness,

'Tis said a solemn screech cwl To which she gayly bowed Was so agreeably startled That he really laughed aloud.

She stepped outside the pathway For a snail that would not stir; To a toad that made her stumble She said, "Excuse me, sir!"

It hardly seems a wonder That on an Easter Day (At least so runs the story, And who will say it nay?) Two timid wildwood creatures

Of most stand-offish habits Come scurrying to greet her-Two gleesome, gladsome rabbits. They came like fleeing fluff balls; They whisked along the way; Their tails were taut and merry,

Their ears erect and gay. And Lou Melinda Lovett Just held her two arms wide, Quite pleased, but not astonished; "Why, bless your hearts!" she

Paralysis in Pigs.

presumed to be due to some lack in or by uneven settling. These cracks during the year, and they returned "This year we are planning to do of man labor. There are many ways in which this economy can be offerted wild rice in a three-acre pond if it will grow here. The pond is dry from two to three months in the summer.

S. W.: We have about 25 acres of mark land and would like to put some hayseed or clover with timothy.

But it is soft and it is impossible to get in there with the team in places line has given remark the results.

But it is soft and it is impossible to line has given remark the results.

Every important issues the results. nutrition, it has been suggested that may often be repaired by using a rich the visits and provided the program. even greater work, and are waiting in which this economy can be effected upon every farm with a little coreful in the spring of the year. It has two

Answer: I am unable to get much wise to dig several ditches into it, to convenient, awkward and uneconomic It is time that the prodigal father our side.

the use of lime valuable in crop production. On many farms the necessity for the use of lime is so general that some sort of a systematic scheme

for applying it is almost necessary. I

he takes one field a year and gives it girl who brought in the most new held in the city, which realized about the business of the farm as it is a complete application. If the lime is men. bers.

have two sides—the wrong side and =

Uzziah's Pride and Punishment, 2 Chron. 26: 3-5, 15-21. quired by the Seed Control Act, but at a price as low as could possibly be

Time-B.C. 790-749. Place-Jerusalem.

soil. You will be able to get Red Top Lesson Foreword-Joash was suc- him

early years was for good. Understanding in . . visions. Revelation but he would always be in quarantine.

Since Usuah was a standing of a tile drainage system of it will reveal that fact, and prevent flies and meths for instance are standing in . . visions. Revelation but he would always be in quarantine. it. Guess-work has no place in the frequently came to the prophets. John his son, etc. Since Uzziah was planning of a tile-drainage system. It less former is qualified through the waste of time and money in
flies and moths, for instance, are amongst the most heautiful things in through visions. (See Isa. 1:1; Jer. forced to retire from his kingly duties.)
1:11-13; Ezek. ch. 1, Zechariah not Jotham exercised the regency until training and experience to do this Another factor to be considered in Nature.

Some

vanity prompted him to usurp a function which did not properly belong to

the bens. This should permit the shipment of infertile eggs at all times, which, as a rule, will ensure a better which, as a rule, will ensure a better which, as a rule, will ensure and worship: (3) to make an order of the Corn Borer; The Control of Grasshoppers; Beautiful Homes and How the Farmer may Make Them.

We shipment of infertile eggs at all times, which, as a rule, will ensure a better which as a rule, will ensure a better which, as a rule, will ensure a better to mate only the best of trol of the Corn Borer; The Control Testament. It may mean: (1) to conpresence of a leper, a person who was considered ceremonially unclean, would defile the temple. "He entered turns than the time and money instant the time and the time A pound of sulphur and a quarterpound of pulverized sabadilla makes
an effective dust with which to fight
morse.

A pound of sulphur and a quarterpound of pulverized sabadilla makes
an effective dust with which to fight
cattle flies.

A pound of sulphur and a quarterpound of pulverized sabadilla makes
an effective dust with which to fight
in the days of Zechariah,
not mentioned elsewhere, was a prophet whose influence over Uzziah in his
early years was for good. Under
The rolling stone often gathers rea righteous life. The direction of Uzziah's life was set towards God.
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The rolling stone of such control of proposed to the most of drainage problem in every detail,
factor determines the depth and frequency of drains, and the minimum
may be an extravagant, inefficient plan of drainage for Smith's farm,
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may be an extravagant, inefficient plan of drainage problem in every detail,
factor determines the depth and frequency of drains, and the minimum
grade to which here are proposed in the subscillation of the control of the het whose influence over Uzziah in his an isolated life. Uzziah may have may be an extravagant, menterent been allowed to remain in his palace plan for Brown's farm which adjoins water cannot pass through it, a study ed under a powerful microscope.

We used no curtains at the front or around the stage; instead, at the back of the stage and just at the front of the veranda, we ran curfront of the stage and just at the for dressing rooms, so everything was convenient and complete.

Opening into the nouse from the south and east, v. 2 (3)
ility, was overwhelmed with a sense of his responsibility and spent many been determined by a careful study of the farm's drainage requirements.
Front of the veranda, we ran curfor a very dear friend and said to his responsibility and spent many been determined by a careful study of the farm's drainage requirements.
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Front of the veranda, we ran curfor a very dear friend and said to his responsibility and spent many been determined by a careful study of the farm's drainage requirements.
Front of the stage in the south and east, v. 2 (3)
ility, was overwhelmed with a sense of his responsibility and spent many been determined by a careful study of the farm's drainage requirements.
Front of the farm's drainage We used no curtains at the front of the house from the port on the Red Sea, 17 opened up trade with the south and east, v. 2 (3) ility, was overwhelmed with a sense will ever be called upon to carry, has possible, across the line of surface and underground material study underground materia

chairs were all the stage setting we furnishings were donated for the acchairs were all the stage setting we needed as the plays all had interior casion so the only expenses was for the books of plays and the batteries ing proposition and for a time we really felt "up against it."

Then ple.

V. 16. His heart was lifted up. He temple to burn in ficient. Into the temple to burn in secretly, running the lateral drains directly running the lateral drains direct

A Portable Lime Shelter.
A great many farmers have found For Home and Country

A Branch of Many-Sided Interests

recently found a farmer who had ap- Wellington District have had a very of butter or fruit and vegetables to with an old mowing machine which parently given this matter some successful Institute year," reports the the Children's Shelter, Guelph. These with an old mowing machine which thought and had succeded in working secretary. "A membership contest donations were valued at \$50.00. Two from long use or poor lubrication had out a way of handling the job effi- held early in the year and closed at dozen brooms were bought from the become so loose in all of its bearings First he believes in going at the in about 45 new members, making a Blind. These were sold and the prowork systematically. Instead of lim- total of 114. A steel engraving, ceeds returned to the blind. ing a spot here and another one there, framed, was given as a prize to the "A Home-Made Baking Sale was sary result.

hauled and put on during the busy "The regular meetings are held in five dozen cups and saucers also five comparable to the old mowing machine. There is too much lost motion season it consumes so much valuable private homes. A convenor arranges dozen spoons, with part of their funds. Chine. There is too much lost motion. Even distribution line that he lead for a program and notifies the lunch We are endeavoring now by buying This lost motion is attributable to a Even distributing lime that has been committee. Three ladies who live these dishes and other things, to spend variety of causes, some of them unstored in the barn on a distant field near the hostess supply this, sand-our money in the community, as the voidable, but many of them susceptible to correction. Lost motion is one is costly at this busy time. This wiches only be served at our regular Superintendent suggests. These ble to correction. Lost motion is one farmer gets around this by having a meetings. The hostess provides tea, dishes are taken from home to home, of the greatest problems of farm portable lime shelter which consists cream, and sugar. The program genthe hostess of the last meeting taking management and a problem which it simply of a house on runners which erally consists of one or two sea- them to the hostess for the next. he can haul from field to field. This sonable papers, as 'Hot Supper Dishes' "In December two excellent reports all of its varying phases. house is placed in the field that is in October, 'Christmas Gifts', and were given by our delegates to the tion on the average form which should ing the winter or at some other short or at some other should be first and most closely studied that

hinged roof to facilitate filling and Departmental speaker in June. This replant, tree for tree, every tree cut are expensive delays for repairs and unfilling. As a guide to determine year Miss Hopkins spoke on 'Little or destroyed in the Province.' the size of house to build, a ton of Things that Make Life Worth While.' "We also aided a poor family in of a task on account of the lack of finely ground limestone occupies She is a very able speaker, and makes town with funds and clothing. A nurs- available equipment for the accomtwenty cubic feet of space.—O.E.R. things very plain for the Branches. ing class was held in February in a plishment of the work in the most Repairing Concrete Tanks.

The suggestions she gave regarding private home, with a membership of economic manner. Much of this loss institute work and management prove twenty-eight. This proved interesting given to the problem in advance of the It occasionally happens when suf- her capability in this line of work, ing and most instructive. We also given to the problem in advance of the ficient reinforcement has not been During the year about \$25.00 was re- had President Reynolds address us on actual need. used that a concrete tank will crack, alized from waste paper. We visited 'Education and Its Value to the Can-Inasmuch as paralysis in pigs is either through the freezing of water three other Branches in the District adian Boys and Girls.'

milk and carrots which are well supcement and plastering over the cracks At the Girls' Meeting in August we now, having made application some upon every farm with a little careful had a tart-making contest and a prize time ago, for Medical School Inspec- study on the part of the farm man-Every important issue is said to at 'Mothers' Meeting,' each family trict." was given for the best. In the fail, tion throughout South Wellington Dis- ager. And this is a problem worthy of

The Seed Grain Purchasing

on public funds. Not only was the made without loss. The extent of these operations is exemplified by the fact

of seed grain. The soundness of the

cloth if it is applied immediately.

by Uzziah. Uzziah was one of the The services of the temple required a lion bushels of seed oats and for lesmost brilliant kings of Judah, and his large staff of priests. Valiant men. ser quantities of seed wheat and seed take old ladies riding whose husbands plied. It would require all their valor to barley. By this service, during the died before autos were invented. The A new bearing, even though it has withstand so proud and powerful a period of the war and since, the Com- old ladies see things they had missed been carefully fitted and supplied with "Jehovah is my strength." In 2 Kings

15: 1 he is called by another name, formed by burning certain aromatic adian agriculture more especially in the Prairie Provinces against read in 1892. Folks say Renald gets as cause it is still very young when com-

Be Sure You Are Right

suited to our plans. It has a veranda width of the house and at the right width of the house and at the right height from the ground for the stage. As it is not wide enough, we borrow as it is not wide enough, we borrow and we even had lights for the piano are native lumber from a reich and we even had lights for the piano are rough and we even had lights for the piano are rough and we even had lights for the piano are rough and we even had lights for the piano are rough and we even had lights for the piano are rough outer skin!

The car lights we used for footlights a man of versatile ability who used his great victories that Napoleon grew arrogant, and said "Take the word 'impossible' out of the dictionary, nothing is impossible to the man who has will power."

Similarly, not a foot the ground are the factors that do support. Similarly, not a foot the ground are the factors that laid by the organization but of the proposition of the surface and understance of \$75 per acre on land devoted to the former may yield bigger wininature oranges. Same shape, same possible to the maximum number of treat victories that Napoleon grew arrogant, and said "Take the word 'impossible' out of the dictionary, nothing is impossible to the maximum number of treat victories that Napoleon grew arrogant, and said "Take the word 'impossible' out of the dictionary, nothing is impossible to the maximum number of treat victories that Napoleon grew arrogant, and "Take the word 'impossible' out of the dictionary, nothing is impossible to build its foundation before land devoted to the latter.

One species of moth lays an egg when the proposition of the surface and understance a As it is not wide enough, we borrowed some native lumber from a neighbor and built a large stage extending out in front of the veranda.

| Description of the veranda of the point of the veranda of the point on the Red Sea 13 opened up hishon he with characteristic hum| Description of the veranda of the point of the point of the veranda of main-drain should be installed in any farm unless the maximum load it | Description of the drains of the point of the

end of the veranda we curtained off for the use of the actors; the other end was banked with flowers and need by the orchestra. The stage was decorated above and below with redwite-and-blue bunding; a large rug envered the floor; a table and three covered and three covered the floor; a table and three covered and three covered and three covered the floor; a table and three covered the floor covered the floor; a table and three covered the covered the covered the floor; a table and three covered the covered the covered the floor; a table and three covered the covered the covered the floor covered the covered the covered to the covered the covered the covered to the cov

trol of the Corn Borer; The Control of Grasshoppers; Beautiful Homes sult God through those who ordinarily consideration.

The control of the Corn Borer; The Control of Grasshoppers; Beautiful Homes sult God through those who ordinarily consideration.

No part of the investment in a tile-quate outlet can be obtained.

The must be given due consideration.

No part of the investment in a tile-quate outlet can be obtained.

The control of the Corn Borer; The Control of the investment in a tile-quate outlet can be obtained.

LOST MOTION IN FARMING

will pay every farmer to study well in

ing the winter or at some other slack try or Chicken Raising, 'Housekeep- was instrumental in having hot lunch be first and most closely studied that time it is filled with a carload of ing Hints,' June, 'Canning Fruits and started in three schools. We had an related to farm equipment is among lime. When the time for liming comes Summer Salads.' These, with music, open meeting for the members and the most important. There is a great the lime is in good condition for recitations, and a Roll Call, or Ques- their families on Valentine night. The deal of lost motion during the busy spreading and the time required for tion Drawer, form the regular pro- program was supplied by twelve O.A. season on most farms because the This house may be built with a "We always take advantage of the solved that the Government should to function properly in season. There

the most careful study at the present time. A reduction in production costs spells increased profit and prosperity system employed from a financial as- just as surely as does increased prices reet is proved by the balance sheet lost motion so far as possible is the best kind of farm management

Oiling Large Bearings.

The larger a bearing-that is, the more surface over which the load is It's the happy hen that lays the distributed—the easier it is to lubricate the bearing effectively. The pressure per square inch of exposed Milk will remove ink stains from surface being reduced, it is easier to be a good feed for cows during the give you full instructions as to the by Uzziah. Uzziah was one of the temple required a lion bushels of sand for less.

V. 17. The priests attempted to stop capanizations, and individuals for more than a milear that is bound in Morocco and rides that is the case the lubricant would maintain an oil film between the two

> go to the field with any new piece of machinery and do a heavy day's work without special attention to the lubri-

The unqualified man who meddled with sacred duties was frequently stricken the many factors that influence it, of insufficient depth and size be available, the planning of a drainage system.

The unqualified man who meddled with up a plan for such a system, all of the many factors that influence it, able, the planning of a drainage system.

The unqualified man who meddled with up a plan for such a system, all of the many factors that influence it, able, the planning of a drainage system.

ably as old human dres direct evide of "collar" the ancient ing of the R In those gold, was a a sense wh ficial collar knighthood. Britain bees ers of some

master's col

collar origin

its direct an

The word

Latin for n

huge ruffs Tower. The collar shirt, until. Montague. Troy, near the never-en husband's sh collar that washed by it Ebenezer Bro made a fortur

Advice

Every tir sale, remember failure. The deave him wit mind that he gone, "There a real genuine an impression

ness, his churs him as a real Leave him his mind so th self. "I have m 100% gentlems You never kni that will end. instances of th man who lost mended by h much better por never know who you make will I If you can lea taste in his mon he has met a ra not feel that yo that you have fa

Life is What Life is what one Ev'ry hour of If one gives th One shall reap th

When one gayly Through adven Life is what one Ev'ry hour of Though one fear

When the skies Helping others One shall find wit Life is what one

The Truth Th

"You shall know truth shall make y "Ignerance make enlightenment lead Good reading, a and travel, an opmixing with the wo a lot of superstition ledge is constantly the broader our k perience, the freer

A Giant Not far from the to

in Idaho, is a spring electrical plant. I Thousand Spring, and

This World

Straight Hair From the women's

mate, hair will not stan to despair! For this however, hair-curlers n ordinary demand there, facturers of marcel wave such contrivances Berg most promising opportui ande of their beautifying