"Fresh from the Gardens"

Farm Problems

Conducted by Prof. Henry G. Bell, Dept. of Chemistry, Ontario Agricultural College, Guelph

Questions and Answers N. E. R., Middlesex.

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1. What is the reason for 2126 fer.

1. When cloud a reason for 2126 fer.

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1. What is th

by actual weighing of yields.

Answer.—You will note the 2-12-6 Clover, 1,624 lbs.; Timothy, 2,545 lbs. contains 2% of available nitrogen. When the crops were rotated including in the constituent that causes in clover and dressed with phosphate. This is the constituent to give assistance bus; Oats, 42 bus; Wheat, 19 bus.; Clover, 2.234 lbs.; Timothy, 3,061 lbs. Uncle Bill was all wool and a yard quently the growing season of cats and barley and spring wheat is cut cherry and received in addition fertilizers carrying nitrogen, phosphoric the middle or latter part of June Spring crops that have made consider. Spring crops that have made consider. When crops were rotated including nitrogen, phosphoric talling and barley and spring who have the middle or latter part of June Spring crops that have made consider. Spring crops that have made consider. Timothy, 3,326 lbs.

When crops were rotated including with you—no, I do not. I don't want time. Only those who are poor in 2 bus; Clover, 2.565 lbs.; Colored female who appeared in the color just now says we'd better come and get it or she'll throw it out."

"I must run to my room for a hand—"Do you not find life a little lonely continued by their kind."

"Do you not find life a little lonely carry and a parally wide. I wish you'd brought him down with you—no, I do not. I don't want time. Only those who are poor in 2 bus; Clover, 2.565 lbs.; Colored female who appeared in the 2 bus.; Clover, 2.2565 lbs.; Clo usually have received fertilizers carrying at least 2% nitrogen. Adjoining spring crops that are still making vigorous growth of stalk and are just out applied of course a certain amount of in head when the drought strikes them phosphoric acid and potash is added, suffer severely. Their growing season J. F. B., York. is abruptly ended, the grain is dried 1. Can you give me information re off and ripened without opportunity of fertilizing of golf and tennis greens?

the previous fail and the early spring grass toward ripening as far as would to benefit from available nitrogen in be consistent with health of the sod. the soil. For this reason usually a On the fairways it is usually not obuniform growth of straw in areas rejectionable to have a small mixture of claims and the control of the control Records show, as you have indicated, but on the putting greens it is abso-that actual differences in weight and lutely necessary that clovers be kept quality of grain are frequently noted out. As a general rule the fertilizers in favor of fertilizers carrying nitro of putting greens are confined to the gen and potash in addition to phos addition of sulphate of ammonia. For

of 200 lbs. per acre contain enough applied at the rate of four to five lime to neutralize acidity, to make the hundred pounds per acre with good soil and the soil solution become more effects.

tolerant to the plants themselves and The application of sulphate of am also to the bacteria which act on or-

it is necessary to apply lime to the to change the reaction of a sour soil as very quickly.

It is necessary to apply lime to the soil, preferably a month or at least lar fertilizer is used. If the soil is two weeks ahead if fertilizer. This sandy or light in nature a higher pottis best done by putting the lime on the ash will be found advantageous even plowed soil and working it in by disk to the point of a 4-12-4 or 4-8-6. This ing and harrowing. This will not only may be applied one quarter pound to help the reaction of the soil, but will make conditions most favorable for top of the grass court and raking it the development of beneficial soil bacteria.

If the soil is lacking in phosphorus, the addition of acid phosphate will solve and help the grass. also put the soil in more favorable balance for the development of soil bacteria, hence will make conditions better for plant growth.

. If a farmer endeavors to improve

records of the thirty-year experiments at Ohlo Experiment Station. Where

by side on a Fall Wheat crop the unity fortation the yields were: Corn, 25 Tevery well then, 111 not kill minitare like that. They think money is bus; Oats, 32 bus; Wheat, 11 bus; You must agree, though, that I did the beginning and end of everything. You areal service in bumping off old "Perhaps you would, also, Mr. History and the service in bumping off old "Perhaps you would, also, Mr. History and the service in bumping off old "Perhaps you would, also, Mr. History and the service in bumping off old "Perhaps you would, also, Mr. History and the service in bumping off old "Perhaps you would, also, Mr. History and the service in bumping off old "Perhaps you would, also, Mr. History and the service in bumping off old "Perhaps you would, also, Mr. History and the service in bumping off old "Perhaps you would, also, Mr. History and the service in bumping off old "Perhaps you would, also, Mr. History and the service in bumping off old "Perhaps you would, also, Mr. History and the service in bumping off old "Perhaps you would, also, Mr. History and the service in bumping off old "Perhaps you would, also, Mr. History and the service in bumping off old "Perhaps you would, also, Mr. History and the service in bumping off old "Perhaps you would, also, Mr. History and the service in bumping off old "Perhaps you would, also, Mr. History and the service in bumping off old "Perhaps you would, also, Mr. History and the service in bumping off old "Perhaps you would, also, Mr. History and the service in bumping off old "Perhaps you would, also, Mr. History and the service in bumping off old "Perhaps you would, also, Mr. History and the service in bumping off old "Perhaps you would, also, Mr. History and the service in bumping off old "Perhaps you would, also, Mr. History and the service in bumping off old "Perhaps you would, also, Mr. History and the service in bumping off old "Perhaps you would, also, Mr. History and the service in bumping off old "Perhaps you would, also, Mr. History and the service in bumping off old "Perh

ments, namely, phosphoric acid and potash beside what was added by the growing of clovers. When manure is

1. Can you give me information re off and ripeaed without opportunity of lefthizing of golf and tennis greens? Answer.—For golf greens, fertilizers ripening and inrigorates root growth, it does not give the early spring phoric acid and fairly low in potash growth that results from 2-12-6. Turning to the fall sown wheat, you cess. The object is to maintain a will readily realize that it has had all green mat and avoid hastening the

ceiving \$12-6 and others receiving clover, hence if the fertilizer contains 16% superphosphate, will be observed. a degree of lime it will be satisfactory, fairways, fertilizers containing as high 2. Does 16% fertilizer applied on a as 5% nitrogen, 10 to 12% phosphoric well summer fallowed field at the rate acid and 2 to 3% potash, have been

monia to the putting greens will be taken care of by the golf specialist Answer.—Superphosphate or acid as he ascertains that the grass needs phosphate does not contain lime, additional help. In applying the fer. When phosphate rock is treated with tilizer to the fairways it is usually s liphuric acid the products are the broadcast on the grounds as early in mono and bl-calcic phosphates and calthe spring as the work can be done. clum sulphate, which it different entry the calculations with the spring rains wash the fertiled to calculate the sale of the calculations. tirely to calcium carbonate. In order tilizer into the sod and the grass bene-

> cation so as to work the fertilizer into the top of the sod where it may dis-

France Uses Fewer Cigars Paris.-Whether it is because cigar

are considered an extravagance in 3. If a farmer endeavors to improve these hard times or the rising generation into simply prefers cigarettes, regarding only of his soil by growing legumes, is less of the question of cost, fewer in list land becoming deficient in other gars are being sold in France each thought. "Old-fashioned father taught the conversation had veered into new thin to respect age. Democratic, too." Roberta noticed that her host was much more at his ease, now that their conversation had veered into new thin to respect age. Democratic, too.

CHAPTER XVIII.—(Cent'd.)

"Of course he does. He's adorable, tilting the ante and couldn't seem

"Very well then, I'll not kill him, are like that. They think money is

"I must run to my room for a hand-kerchief; I forgot to fetch one," said

holds grouches, for her sense of hu-mor would preclude that. And she's too healthy, too normal, to be a picky

"I do not know. In all probability she will not be here long enough to please me. In fact if I hadn't run that Bill Dingle scalawag down the road she wouldn't be aere now. She's a new note in life to me, but I'm not going to let her know she is." He looked at his housekeeper seriously. looked at his nousekeeper seriously.

"Do you realize, Mrs. Ganby, what a serious thing it is to have killed a sheepman that wanted killing, only to discover he has a niece that can set a man's reason tottering on its

our reason tottering on its throne already?"

not in fact until I know that the object of my delusion is worth tottering

CHAPTER XIX.

his recent ablutions, arrived with Rob-erta, and the four went in to dinner. With a nice consideration for her years, the host placed Mrs. Ganby's chair for her, then performed a similar service for Roberta, and lastly

By PETER B. KYNE Illustrated by Allen Dean

rancher, and Tom Antrim, sheep owner, lave keen bitter enemies. Capt Ken Holart, former Texas Ranger, now Don Jaimes manzger, finds the Don wounded after shooting it out with Antrie, who is killed. Don Jaime takes possession of Antrim's sheep.

Roberta Antrim is advised of her mode's death at the hands of one Jimmy Higgins. "Crooked Bill" Latham, another uncle, wants her to marry his friend. Glenn Hackett: Roberta leaves for Texas, and on alighting from the train sees Hill Dinjek, her uncle's freeman, field from a man she understands to be Higgins. When she arrives at Don Jaimes ranch she accuses Don Jaime of duplicity. He recalls former ties of specific the recalls former ties of specific the recalls former ties of specific silver and very of and beautiful.

Roberta, and ran upstairs.

Don Jaime gazed after her. There was no doubt but that he approved of her mightily. When his gaze shifted it may the County to the county of t

easure of feminine curiosity. Miss Antrim is physically beautiful and mentally alert. Yes, she's as

woman. After hanging a mouse on her enemy's eye she'd run to the drug store to buy a leech to put on it. I like her. She lights up my old house."
"Will she be here long, Don Jaime?"

throne?"

Mrs. Ganby was amused at his frankness. "Has Miss Antrim set

"No. I do not totter that readilyfor. But something tells me this young woman has possibilities."

Robbie, his pale face glowing free

Answer. — Certainly, it is. While ed by the record of the National 10, there is abundant theoretic evidence bacco Monopoly. The question of cost to answer the point you raise, still you will be interested to know that this omenon, as plenty of cheap cigars are point is definitely brought out in the available.

HIS HOUSEKEEPE eats with us. The table had been set in the gallery, Don Jaime explaining that during the summer they always ate outside. They were no scorer seated

JIM THE CONQUEROR

SYNOPSIS. than two Spanish mocking-birds flew parts and Tom Antring sheep owner, in and lit on the floor leade his chair cen bitter exemiles. Capt K. Holformer Toras Ranger, now Doe spanish. "Mockers seldom migrate a manager, finds the Don would have been sented by hear here."

s med red roses peepel from a jac-green bowl in the centre; the serv. was of sterling silver and very of and beautiful. On closer inspectio-

she saw that it carried a coat of arr. she saw that it carried a control and "My great great great-grandmothers silver," Don Jaime explained.
"Fellow in New York once heard I "How tremendousy interesting, or's silver," Don Jaime explained.
"Fellow in New York once heard I had it and sent his secretary down to buy it. He offered me an unbelieved uncles, weren't you? Does Uncle Bill treat you with civility and decency?" him it was not for sale. He just kept "Of course he does. He's adorable.

"Uncle Bill says you did," Roberta Robert suggested.
"My father always delikers."
"I've paid twelve see

"A busy man is seldom lonely. My father spent his life in bondage to the irrigation system you probably other hightity. When his gaze shifted it met Mrs. Ganby's.

"How does she impress you?" she
queried. Mrs. Ganby had a brimming
measure of feminine curiosity.

"How does the impress you?" she
cath I completed it and transformed
a semi-arid valley into alfalfa and
cotton fields. I got rid of the scrubby

Miss Antrim is physically ful and mentally alert. Yes, sae's as smart a young woman as you and I will ever meet. Well raised, well spoiled, haughty, aware of her power over men and just loves to use it. Sound at heart, though, I think. Nothing spurious about her!" spandry, because I knew that was going to be my job. My foreman, Enrico Caraveo, ran the ranch then and when I was in 'he army. long-horned cattle that were built fo

"After I was demobilized in the spring of 1919 I really started to put this ranch on a paying basis. I clean-ed up on cotton in 1919 and '20. And cattle prices were unbelievably nigh Why, a thin old con for a cutter or

"Instead I raised alfalfa and stacked it; then I bought eattle for a song when the banks and the government loan agencies foreclosed. Cheap cattle and cheap feed, you know. I sold them as three-year-olds after the mar-ket had rallied, and in addition had my ranges restocked with high-grade Hereford stock cattle. But all this, you understand, Miss Antrim, requir-

you understand, Miss Antrim, required thought and worry and some courage. I had my moments of panic; the road was rough and rocky in spots, I although that, of course, made it all the more interesting, the victory all the more delightful. I think that when one has had to fight for his land and his people he learns to love both, I matter how unlovely or uninteresting they may appear to those whose lives have been spent in shelter and without effort."

"My life has been spent that way, must admit," Roberta confessed. 'And I like it," she added. "Why not? You've never tried any

soll by growing legumes, is less of the question of cost, according deficient in other gars are being sold in France each year. This fact is unmistakably proved by the record of the National Tobundant theoretic evidence bacco Monopoly. The question of cost the point you raise, still you cannot altogether explain this phencerested to know that this omenon, as plenty of cheap cigars are being sold in France each thin to respect age. Democratic, two His housekeeper eats with us."

The table had been set in the gallers, Don Jaime explaining that during the summer they always ate out side. They were no sooner seated the summer they always at out side. They were no sooner seated the summer that they are the point you raise, still you cannot altogether explain this phence available.

By Daniel Whitehead Hicky in McCall's Magazine

A ship is salling for Singapore—O heart be swift and latch the door:

My fire burns bright and the shadow fall

In yellow rhythms along the wall.

were a long-lived race. Don Jaime turned to Roberta. "By Don Jaime turned to noverth. Ly
the way, what gainful occupation, if
any, docs Mr. Latham practice now?"
"He plays the stock market."

"With success, I hope." "He has always been very success ful until recently, when he lost prac-tically everything he had—or at least he would have lost it without the aid

he would have lost it without the aid of some people who love him. We anticipate a reverse in the market which will pull him out, if not with a profit at least without terrific loss."

"My father loved your Uncle Bill, even if he did shoot him in the heel and disagree with him politically. I would be glad to give my father's friend a leg up. You live with your Uncle Bill, I take it."

"I've been his ward and a member."

"I've been his ward and a member of his household since my tenth birthoay. So, you see, now that he's old and liable to suffer financial reverses, it is my duty to take care of him, and

it is my duty to take care of him, and for that reason my Uncle Tom's estate somes to me somewhat in the nature of a godsend."

"One more reason why I should be dealt with charitably in the matter of your deceased avuncular relative," the young man suggested humorously. "Well, we'll pull you out all right on the sheep."

the sheep."
"I fear," the girl suggested, "that the Antrim sheep are proving to be a source of trouble to you." "Not at all," her host protested, "?

"Not at all," her host protested. "I expect to collect from the Antrim estate a reasonable fee for my services, to reimburse me for my outlay two did not make four if his interest or inconvenience."

"Why, Jimmy!" Robbie had piped bes.
""Don't you remember telling me

the other day that no gentleman ever Defining a Collector "Now what are you driving at,

Quotations

"It is necessary for each generation o find its formulas for successful livng even if it is necessary for succeed ing generations to tear those formulas

up."—Edward A. Fliene.
"The most prevalent fault in Amer! ca is to live to make money and not o make money just to enjoy life."-Sir Arthur Keith

"Platinum blondes are becoming rather a bore. Loveliness requires the setting of dark hair."—Edgar Wallace. "Do not become a musician unless you feel that you would literally die if you took up anything else, and even then have your doubts."-Walter Dam-

"Everywhere we find the individual trying to ape another rather than to express himself."—Sir John Adamson. "I always make myself believe that am the other fellow-and try to imag ine how I would act in his place."-Jesse H. ones.
"American men do not care about

ioney. They care for work for work's -Randolph Churchill "We must adjust ourselves to a new mode of living, one in which there is

less luxury but more stability."-Ignace Jan Paderewski. "The world needs the United States, but the United States needs Europeand the world as never before."—Benito

"We know now that an increasing concentration of wealth did not guar-antee an intelligent or fair use of that wealth."-Franklin D. Roosevelt. "In Germany the people have no noney, but they have contentment."-

Joseph Hergeshelmer. "Few Americans have explored the world of leisure."-Stuart Chase.

Hurst. "When we are beginning an important work, it is not the time to talk about it; and when we have accomplished the job, it is not necessary."-

Charles Gates Dawes. "Those hoarding currency are proably no safer as a class than those who keep their money in the banks."—Calvin Coolidge.

"Again and again we have seen governments desiring to do one thing, knowing that it is the best thing to do, and prevented by popular feeling from doing it."—Sir Norman Angell. "Environment is what makes people appear different. At heart the decent ones are all alike."—"Alfafa" Bill Mur

"The Germans are finding out wha imerica must discover—that it is possible to have poverty without ignominy and intelligence without bigotry. Joseph Hergesheime

"A surplus is a good thing becaus it forces the discovery of new Henry Ford.

In yellow rhythms along the wall.

My love sleeps near and her dream are deep, Her lips a rose that has fallen asleep The fire burns bright and the candles

glow. And I must not go I must not go!

There is no peace I can know to-night Though my love sleeps near and the fire burns bright.

For stars will call from an Indian sky And a gold moon haunt me blowing by. The sea's wild horses will leap and fly, Foam on their manes and wind in their

O heart be swift and latch the door A ship is selling for Singapore!



do when it talke? Pa-"It says good-bye."

If religion be anything, it must be

To dear of the series a white lie?"

"Now what are you driving at, Bobbie?"

"I heard you tell Ken Hobart the acquires things without reference to other day that you'd see those sheep dead before monkeying with them, if the is a collector. The objects thus anylody but Miss Antrim owned them."

"So I did, sonny. Anything wrong with obliging a lady?"

"But you said the sheep would do the wree worth."

"I know I did, Jimmy, but then I was anyry at the time. One of those lod ewes had just bitten me."

"But you knew she couldn't hart you, the crue of the stringes." of things. Things have an entity which constitutes their constitutes their differing. It is these lock, let's let he tail go with the hide! Bringes which fasten themselves upon the fanery. Let !! be watches. One of the fanery. Let !! be watches. One of the fanery. Let !! be watches. One of the fanery which constitute their differing. It is these longue, and should a writer be mentioned, they show by a well-chosen does not collect watches to be the but her fanery. Let !! be watches. One of the fanery. Let !! be watches. One of the fanery. Let !! be watches. One of the fanery. Let !! be watches on the fanery which is writered in their original had you."

And hen said be rever knew a photo- raph to affect a level-headed man orse than it had you."

(To be continued.)

Defining a Collector? If a person well, using the popular idents fanery well, using the popular idents fanery is fanery. It is a person well, using the popular idents fanery well and the french of parts. They even the well, using the popular idents fanery for sailing the popular idents and the french of Duvert and the fanery what is it has the pressure of the appeal may be painting, postage the popular idents fanery were natives of Paris. They even the self they were natives of Paris. They even the desirable were natives of Paris. They even the desirable were natives of paris. They even the self they were natives of Paris. They even the self they were natives of Paris. They even the self they in

A man becomes charmed with the is Russia.

A lamous American book collector artor of the South, with a strange acat an auction in London paid a tre-cent. It is like a cachacha danced on mendous price for a copy of Venus and the snow by moonlight.—From "Rus-Adonis—a sum of money large enough sia," by Theophile Gautier, translated to buy a mansion. Was his anxiety to by Florence MacIntyre Tyson. capture at any cost this thry treasure of a book prompted by a desire to fa-miliarize himself more thoroughly with Shakespeare's immortal poem?

It is, as I suggest: to collect is to ow to fancy. — Gabriel Wells, in These Three."

The Oldest Continent Most people regard Australia as the roungest of the world's continents be- Reynolds.

by European explorers Really, how-ever, it is the oldest continent—and contains perhaps the oldest land surace in the world. A discovery made by gold prospect-ors recently affords further proof of

Australia's great age. After boring through 200 feet of basalt they struck an old river-bed, and brough up water and our riversed, and prough up water-polished stones which, according to the experts, had not been exposed to sunlight for over a million years. And there are geological formations in the Island Continent which are estimated to be at least 20,000,000 years old. Australia, too, has preserved living

Why, a thin old cow for a cutter or canner was worth eighty dollars then. There is a radical fault in our modification which must be corrected down to its roots if this viried nowhere else. The duck-billed soil in 1921 I didn't plant any cotton. Well, the market smashed on both-and lucky Jim didn't have any!

"Instead I raised alfalfa and stal." links with its remote past. Some of "Most men learn, either by direct or tralia has a number of other natural indirect method, that a woman, if she curiosities. On the other hand, types be normal, thrives on praise."—Fannie of animals more recently evolved were unknown until they were introduced by the white settlers.

Worth

Worth makes the man, and want of it the fellow The rest is all mere leather, or pru-

Russian Culture

by their Oriental workmanship that it A man becomes charmed with the is Russia.

Ruhaiyat of Omar Khayyam. He after After dinner, people scatter over the ward comes across another edition of drawing rooms. On tables albums, it, and he acquires that as well. Later, beauty books, keepsakes, landscapes, he discovers that there is still another; are lying, for the comfort of the timid or embarrassed. Stereoption riews then another, and many more yet; until he has gathered together maybe a woman, rielding to persuasion, seats handred different editions. Does he herself at the plano, and sings to her read them all? Plainly, no. What he own accompaniment a national air or does is to note their variations to the delight of his fancy.

A famous American book collector A famous American book collector ardor of the South, with a strange ac-

Self-Conceit

Those who, from conceit and vanity, have neglected looking out of them-selves, have from that time not only ceased to advance and improve in their performances, but have gone backward. They may be compared to een who have lived upon their principal until they are reduced to beggary without resources .- Sir J.

Jean-"What started the Grand Car-Jock-"A Scotchman lost 2 penny in a ditch'.

There is more pleasure in building astles in the air than on the ground.

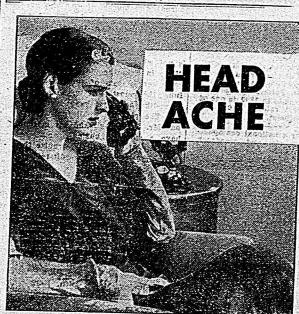
FASHION HINT

"How to make my old short skirts conform to the new length was a problem to me until I hit on this plan. I dropped the hems; and as the part that had been turned under was darker than the rest, I redyed the entire dress, after having bleached the goods, following direc-

tions in the Diamond Dyes package.
"I used Diamond Dyes for the redyeing, of course. I have dyed many things with these wonderful colors. They have saved me many dollars and have never failed to give perfect results-smooth, even colorsfast to wear and washing. Friends think my things are new when I redye or tint them with Diamond Dyes. They do give the most gor-

Mrs. G. C., Levis, Quebec.





HE woman who lets headaches upset her plans must have her eyes and ears closed to certain facts about Aspirin. There is always swift comfort, and never any harm, in Aspirin tablets. Doctors have said so; men and women everywhere have found it so. Any headachefrom any cause—is always relieved by one or two tablets. And lots of other aches and pains, Neuralgia: Neuritis, Rheumatism. Nagging pains. The pain from colds which make you "ache all over." Sore throat. Systemic or "muscular" pain. Aspirin can spare you lots of needless suffering! Be sure you get Aspirin-not a substitute!



ust wash the dirt away...

FREE BOOKLET: The Gil-

GILLETT'S LYE

BATS DIRT

And . . . Gillett's Pure Flake Lye will not harm enamel or plumbing. Use it full strength for cleansing toilet bowls and clearing drains.

a safe, economical cleanser.

Be sure to get the genuine Gillett's Pure Flake Lye. Ask for it by name at your

Grime and Stubborn Stains without scrubbing . . . WHY let house-cleaning wear you down with endless hours of rub-

Gillett's Lye lifts off Grease,

Use Gillett's Pure Flake Lye. This powerful cleanser makes short work of heavy cleaning jobs. It just washes the dirt away! Off come grease and grime without

bin; and scrubbing?

scrubbing. Out come even the most stubborn spots and stains. Keep Gillett's Pure Flake Lye handy for greasy pots, the kitchen floor, sinks and bathtubs. One teaspoonful dissolved in a quart of cold water* makes

Gillett's Pure Flake Lye kills germs. And takes away odors as it cleans.

"Don't you remember telling me

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