

# GEDY OF WIRELESS

ALL FOR HELP FROM PEDOED VESSEL.

Germany More Fiercely

Who Has Picked Up "S O S" At Sea.

stepped ashore from a mer, and, because of my wireless telegraphy, I was spent most of my time in the wireless cabin, says a writer.

As we were called by Germanes. Apparently they had left New Zealand have been—in peace ocean lane. If we had left off our usual course, I think we would have been

as in the line's own calls came about mid- "B," came the call—

operator—a boy of has been torpedoed once vice—answered the call. instant message for you. position," the message

Far, Faint Call. The captain was notified, give their message," he "a submarine," he con- "message," replied the

message unless I know. "Please give position," "too old a trick to work. night out from New two ships torpedoed. I was in code, but the short. Poor devils, gone down in a hurry. call, however, I shall I can put down most of it, for it is fairly burnt

ing in Touch. "S.O.S." it came with- of the slow crackle of "Hello," said the operator, "Will we need him. "Fat chance!" "too easy to fake an generally tell the Old one, somebody's picked the about that.")

that answer very faint- voice of some stran- in distress?"

you? Hurry. Sinking in distress?"

ake, hurry. Who are destroyer. Coming full speed."

Shall we be in time?" have you? Hurry. London. Sixty-two

in two hours. Can you boats?"

ould already. Hellish

We are hurrying. How wireless last?"

ake, hurry! All over you sunk?"

No warning. Too boat capsized." too late!

ave you settled down Our bows are un-

of. We are coming

London, had gone down

CROSSES GIVEN.

Held Six Hundred of

of the award of

Mount, West

was an outstanding

and in a recent number

company was compelled

the advancing

called, when Moun-

and with a Lewis

about 100 were kill-

and organized the

and covered the re-

missioned officer and

fully held at bay

# Farm Crop Queries



Conducted by Professor 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.

## Proper Fertilization of Wheat.

Thoroughness of soil preparation measures the success of wheat production. No crop shows the disadvantages of poorly drained soil so clearly as does wheat. For the germination of any seed, heat, air and moisture are absolutely necessary. If wheat is planted in a poorly drained soil, the water shuts out a large amount of the air, and evaporation of soil moisture lowers the temperature of the soil. Hence, undrained soil reacts in two ways to hinder the early growth of wheat. If the ground is plowed very shallow and is hard and impervious, the tiny rootlets of the plant find great difficulty in pushing through the soil. The result is that root growth is shallow and near the surface. This means that the crop is very easily injured by droughts and frosts.

Many a man this past year or two has been discouraged to find so much of his winter wheat killed out. In not a few places where it has been killed the wheat plant has been heaved above the soil and much of its roots exposed to sunlight and blighting winds. There are various reasons why winter wheat kills out. One is on account of lack of moisture. Moisture shortage in wheat soil is frequently due to poor storage of the rain that has fallen during the early growing periods of the plant, hence in a good wheat soil, the humus supply must be carefully maintained. If the land set aside for winter wheat has lain bare and unworked, much moisture is lost by evaporation.

Recent investigations show that extremely low temperature suffered by wheat which has not made a firm root growth is deadly to the crop.

To avoid such conditions the addition of plantfood to the wheat crop is of great benefit. If manure or fertilizer is spread uniformly over the soil and worked into it, the plantfood induces the roots to spread and grow deep into the soil and thereby make a wider area from whence the crop can draw its food. Thus it is that fertilizers by increasing root growth have actually saved many a winter wheat crop.

Recently we have had opportunity to examine winter wheat in several of the warmer sections of Ontario. In not a few of these sections many a field of grain that looked good last fall has been plowed up this spring and planted to other crops. However, there are in Ontario considerable areas of wheat that have weathered the bad winter conditions and still fair to make record yields. The farmers are enthusiastic over the splendid work which fertilizers did for their crop during the past winter. One important wheat grower reported that in the spring his wheat crop did not appear to have a live spear in it. However, the addition of 200 lbs. of 12-12 fertilizer of bonemeal material strengthened the root growth so that the crop was able to store up sufficient vigor to stand 18 to 20 inches high, thick and vigorous, at a time when unfertilized wheat appeared thin and in many cases promised less than 10 bushels of grain per acre.

How and What to Apply. In fertilizing winter wheat, best results are obtained by applying the fertilizer through the proper com-

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Of all leading early and late varieties, 45c per hundred, mail prepaid, \$2.50 per thousand, express collect.

Also Cauliflower, Brussels Sprouts and Onion Plants.

Plants are being shipped successfully to all parts of Canada. Ask for price list.

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### SMOKE TACKETTS T&B PLUG

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We pay the highest prices of any firm in the country and ensure the largest wool dealers in Canada. Payment is made the same day wool is received. Ship your wool to-day—you will be more than pleased if you do, and are assured of a square deal from us.

**H. V. ANDREWS**  
13 CHURCH ST., TORONTO

# In the Fields



## Wear the Sturdy FLEET FOOT SHOES

and enjoy the easy comfort which these economical shoes give.

**FLEET FOOT** is for work as well as for play. Staunch, sturdy styles like the "WORKMAN" and "EVERY-DAY" stand right up to any farm work—yet are light and easy, and enable you to tramp the fields all day without the feet getting over-tired.

The leading Shoe Stores have FLEET FOOT styles, shapes and sizes for every member of your family—for work or play.

None genuine without the name FLEET FOOT stamped on the sole. Look for the name.



The best Shoe Stores sell FLEET FOOT

## INTERNATIONAL LESSON JULY 11

Lesson II. Reading God's Word—Acts 8. 26-39; Psa. 19. 7-11. Golden Text, John 8. 32. Acts 8. 26-39.

Verse 26. An angel of the Lord spake unto Philip—Philip was in the midst of a great revival in Samaria when the divine Messenger summoned him to another field of labor. How the message was communicated, whether in a vision such as Paul had when he was called to Macedonia, or by a personal appearance, we are not told. Go toward the south unto Gaza—The way that goeth down from Jerusalem unto Gaza, which Philip was to take, is the same road used by the traveller to-day and has changed in no essential particular save that it is worn deeper by the feet of countless caravans. Gaza (that is, "the strong") was an ancient fortified city of the Philistines on the Mediterranean. It has endured many sieges and captures in the course of its history, the last being by the British forces under General Allenby, on their way to the capture of Jerusalem, which occurred last December. The same is desert—that is, an uninhabited district.

27. He arose and went—He might have questioned the wisdom of taking him from the promising work in which he was engaged to send him on an uncertain errand, but there is no discus-

sion; he simply obeys the order, trusting to the divine wisdom. Behold, a man of Ethiopia... of great authority under Candace—The Spirit sends Philip forth on this lonely road to find one certain man. Had come to Jerusalem to worship—He was thus a Jewish proselyte. He had been indicated from how wide a region the Jewish proselytes came.

## The Southern Canada Power Co., Limited

Controls Water Powers on the St. Francis River capable of over 100,000 H.P. development, and through stock ownership controls several Light & Power Companies.

The Company supplies power and light to over 45 municipalities in the Province of Quebec, principally in the Eastern Townships.

Work has been commenced and is progressing rapidly, on the development of one of the Company's large powers on the St. Francis located at Drummondville.

This plant is being developed to supply the increased demand for power in the territory served by the Company and enable more manufacturers to locate in this district.

The development of water power now is a patriotic duty, as well as a commercial advantage.

We recommend the 6% BONDS of the SOUTHERN CANADA POWER COMPANY, LIMITED, which we are offering with a bonus of common stock, thus giving investors an opportunity of participating in the future success of the Company.

Send for circular and map showing territory served.

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222 St. James Street Montreal

# YOUR PROBLEMS



Mothers and daughters of all ages are cordially invited to write to this department. Initials only will be published with each question and its answer as a means of identification, but full name and address must be given in each letter. Write on one side of paper only. Answers will be mailed direct if stamped and addressed envelope is enclosed.

Address all correspondence for this department to Mrs. Helen Law, 235 Woodbine Ave., Toronto.

Nurse—You need not feel any anxiety on that score, dear bride-to-be. You are especially well fitted for your new duties. The trained nurse who marries and gives up her professional work for home and family life, finds that her hospital training has given her rich assets as a homemaker.

This is not only true in her knowledge of children and of dietetics and of how to care for the sick, but in her attitude toward housekeeping and her attitude toward life. Her understanding of the "why" of things lifts the small, tedious things of house-keeping, whether it be the cleaning of a room or the sterilizing of milk bottles, to a plane of interest and dignity. And her contact with all kinds of people in the hospitals, in their joys and their sufferings, broadens her sympathies and her outlook, adds that mature insight and inspiration to her relation with her children and her husband and her community.

No woman is so well prepared to meet the sudden emergencies of accident or sickness that occur in every home as the woman who has had the training of the nurse. In fact, to every detail of the health care of her family and the hygienic care of her house, the hospital training contributes something that is useful or precious.

More and more the hospital training is regarded as a splendid foundation for all kinds of public service in which women are engaged, and more and more it will be deliberately planned as a preparation also for home life.

Lillian—No doubt it does become tiresome, when you hear of those nurses winning the Royal Red Cross and earning all the glory of overseas service, to reflect on what you call your "humble drudgery." But as a matter of fact, if every woman now on the farm will do this year just what she has been doing, to a larger extent and in a better way, she will be rendering her greatest war service.

To cook food and wash dishes for farm workers this year is nothing if not helpful. Young women now on farms can easily expand their activities. The girl who will learn how to hitch up and drive a horse can not only save her father or other man worker from leaving field work to drive to town, but she can also ride the hay rake or horse-drawn cultivator in an emergency.

A large proportion of our butter is already made on our farms. This butter production can be improved in quality and quantity by farm women who are willing to give it careful attention. No food need to-day is more vital than that of fats and the woman

Scripture had its most perfect fulfillment. 30. They came unto a certain water, a well, which doth hinder me to be baptized?—Along this road are found no rivers, nor "wadies," utterly dry in the hot season but rushing rivulets in the rainy season. The Ethiopian fully accepts the great truth of the Messiah preached to him by Philip and enters joyfully into the relation of a disciple of the Christ, accepting baptism at the hand of the evangelist.

37. The King James Version here inserts a verse found in some ancient manuscripts but lacking in others. Psa. 19. 7-11.

This beautiful Psalm is clearly divisible into two distinct portions. The first has for its subject "The Glories of the Heavens," verses 1-6. The second has for its subject "The Glories of the Law of God," verses 7-14.

It recalls a saying of the philosopher Kant, that there were two things which filled him with awe, the starry heavens above and the moral law within.

From verses 7 to 9 inclusive there are six names for the Scripture: "the law of Jehovah," "the testimony of Jehovah," "the commandment of Jehovah," "the fear of Jehovah," and "the ordinances of Jehovah."

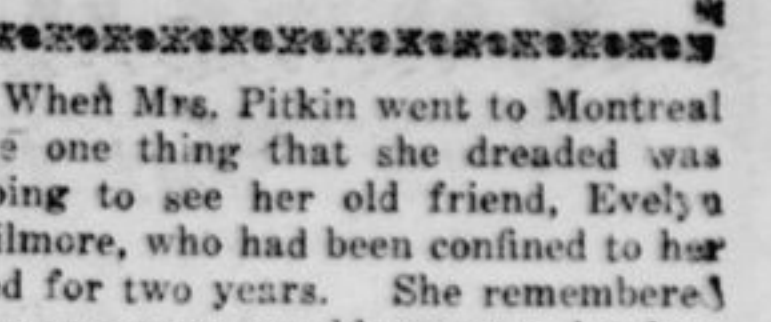
Then follow six characteristics of the law in these same verses—"perfect," "sure," "right," "pure," "clean," and "true." The results of the law in the life are then given: "restoring the soul," "making wise the simple," "rejoicing the heart," "enlightening the eyes," "enduring forever," "righteous altogether." In verses 10 and 11 the law is finer than gold, sweeter than honey, and there is great reward in keeping it.

"The Glories of the Law" are considered at much greater lengths in the fine acrostic Psalm, 119, where the verses are grouped under successive letters of the Hebrew alphabet and where in each one of the 176 verses there is some allusion to the law of God.

"The Word of God in its effects upon human life and character" might well be the summing up of this remarkable Psalm. That these results follow in the life of all those who "fear God and keep his commandments" is the experience of the Psalmist.

The value of a man who is self-propelling is double that of one who must be directed or he stops.

# THE REFINING POWER OF SUFFERING



When Mrs. Pickin went to Montreal the one thing that she dreaded was going to see her old friend, Evelyn Gilmore, who had been confined to her bed for two years. She remembered her as a very capable woman, intolerant of the weaknesses of others—one who had been cut down quickly and without warning from a life of activity. She expected tears and remarks on the hardness and unkindness of fate in general, but the meeting was quite different from that.

Evelyn held out her hands with a sunny smile, and then motioned her visitor to a comfortable chair by the bedside. "How glad I am to see you!" she cried. "Isn't it a blessing we have our friends? Now tell me everything about yourself—what you do not tell in your letters."

The little clock on the dressing table ticked away an hour before Mrs. Pickin realized that she had not been able to ask a question concerning her friend's illness. After several ineffectual attempts, she finally managed to say constrainedly:

"I was so sorry to hear of your affliction, Evelyn. You were always so capable. I cannot understand why such a thing should be put upon you."

Mrs. Gilmore turned quickly and smiled in a way that her visitor never forgot. "Do you know I felt that way at first," she said, "but now I know the reason."

Mrs. Pickin looked startled. "You see, it was like this: In those first dark days I rebelled. I could see no reason for my affliction. I had always tried to do the right thing. Why should a just God afflict me in this way? When my friends called I talked about myself and my troubles and railed at fate in general. A year passed and still the little God Self held sway. One by one my friends ceased to come. I sat alone and stared at the four walls of my bedroom. Oh, the emptiness of those dreary days!"

"Then one day, in my reading, I came across these words: 'Suffering always has a meaning; those who find it gain more than they suffer.' At first I laughed in mockery, but the words remained to haunt me, and, lying one night in the intimate darkness, I turned the searchlight on my soul. 'Suffering always has a meaning.' What did it hold for me?"

"I did not know then, but now I have found out. Suffering has taught me patience, tolerance, forgiveness of self, a proper sense of values. It has made me a different woman. I have learned all those things, and now the strange part about this is that my doctor tells me I am to get well. Some day I shall look back upon the two years spent in bed as years not wasted, for they have taught me lessons I might never have learned in any other way. 'Suffering always has a meaning; those who find it gain more than they suffer.'"

How They Operate. Have you ever watched the bugs eat? They don't all do it the same way. Some bite out small portions of plants, then chew and swallow them in quite a human way. Other bugs belong to the nursing bottle class and suck their food—the juice or sap of plants. Most bugs are partial to tender young garden plants.

The chewing class is killed by feeding them with poisons; the sucking class by remedies which kill by coming in contact with their bodies and smothering or dissolving them.

The chewing insects are easiest to recognize since they eat the plants. They do a good deal of damage when they are worms. In maturity they become beetles, moths and butterflies and are a still greater menace.

The worms and beetles should be killed by spraying or dusting on the plants arsenate of lead or Paris green. Some of the chewing insects, like the cutworms, are killed by poisoned bait like bran mixed with molasses and Paris green. Garden slugs are also killed in this manner.

Dust Mulch. The surface of the ground in your war garden should never be allowed to become so hard that a crust is formed. Regular stirring of the top soil creates a perfect dust mulch which is invaluable if you want successful growing. Ordinary dust mulch may be supplemented by the mulch of manure or lawn clippings which serves to keep down the small weeds and retain the soil moisture. It is doubtful if the heavier mulch is always beneficial to plants in cool locations. It keeps the ground rather cold, with the result that the invigorating influence of the sun's rays is excluded from the surface roots, and growth is retarded.

The condition of your mulch depends very largely on how you water your garden. Before the ground is entirely dried out after rain the soil should be stirred and during periods of drought it should be gone over at least once a week. Perhaps the thirstiest of all the plants is the cabbage, which needs continual watering.

If you have to pound meat to make it tender, pound a little flour into it—this saves the juice.

Do not neglect to trim up the feet of the colt before turning to pasture. Usually a good rasp will suffice.

Motivators have been asked by the Food Administration to be careful not to kill fowls on the highways.