

**NEWSY NOTES**

By J. A. Clark, D.Sc.

**SEED TREATMENT FOR GRAIN**

We once conducted many experiments, and tested the effect of certain fungicides for the control of seed-borne diseases on cereals both in the greenhouse and in field tests and wrote a thesis on it under the direction of Dr. William Lochhead at the Ontario Agricultural College. We remember that our greatest difficulty was to obtain smut spores and those of other diseases, that after being collected and stored would infect samples of seed known to be free from disease when used for our experiments.

That difficulty has long since been overcome by plant pathologists and many new and more effective fungicides, than formalin, are now available for the control of these plant diseases. There were and are diseases of cereals and plants that seed treatment does not control. These such as the rusts, are only overcome by breeding strains of cereals that are resistant to certain types of these diseases, and this problem is further complicated by the natural development of new strains of rust, that attack the former resistant varieties of grain. The fight, however, goes on and on.

**TESTING TREATED SEED**

In the control of seed-borne diseases including smut, scab and seedling blight and also in protecting the planted seed from harmful soil organisms, chemical materials used should not injure the seed nor reduce the actual yield of the crop. In determining the effectiveness of the fungicide laboratory germination tests are made and if fungous growth appears then the treatment is not effective; if some of the seedlings are injured and show a thickened or stunted growth then the insecticide is at fault and is discarded. Chemical injury may increase under certain conditions, for instance, new materials for seed treatment that contain volatile mercury, cause greater injury to damp, stored or damaged seed. These fungicides can be safely used or undamaged dry seed if planted shortly after being treated.

**PENICILLIUM TEST**

By placing machine treated seed on an agar plate that has been properly treated with a fungicide will create a circular toxic area about it on which the mold will not grow. Other tests can be made to indicate if the seed treatment has been effective against seedling blight or seed borne diseases.

**FIELD TESTS**

It is, however, necessary to conduct field tests under varying conditions to determine the most satisfactory fungicide for use in cereal and the dosage required in order to produce grain free from disease. At the New York Experiment Stations, small lots of seed

treated for sowing in the spring of 1954 were held in cloth bags and were sown in April 1955. It was observed that no smut appeared on any plant from seed, with mercurial treatment at the recommended strength nor for any that were treated with only half of the recommended strength of the fungicide.

**FUNGICIDES**

In purchasing a fungicide for treating grain one should always look for the Pest Control Products Act No. 298 (P.C.P. Act No. 298) which should be on every container sold in Canada. The treatment and dosage used should be that for each cereal grain. Many of these fungicides are poisonous, and caution must be used by the operators not only to protect themselves, but in connection with treated seed, which should not be fed to stock nor mixed with any other grain that might be sold as feed.

The old type of cereases is very satisfactory for the control of seed-borne diseases of wheat, oats and all but one form of smut of barley. This particular form of barley smut requires special equipment and a soaking period that we understand has proved efficient as used by a firm operating in Saskatchewan near Saskatoon. In using cereases even with the best of care, the operator finds it a nuisance because of the metallic taste that accompanies its use.

The Federal Department of Agriculture have issued a leaflet on seed treatment products for sale in Canada in 1956, that can be obtained from the offices of Science Service here. It lists 31 fungicides with information regarding each, and recommends that those interested should secure their publication No. 834, "Treatment of Cereal Seed". Two satisfactory fungicides that are now available here are Panogen and Puraseed. Panogen is a liquid and requires a special machine for treatment. Puraseed can be secured in powder form and used in the same way as Ceresan.

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Kay with a gift as a token of their appreciation. The following candidates received Certificates: Standard Certificates: Miss Peggy McCormack, Mr. Jerry Griffin, Mrs. Gerald Jay, Mr. Garth Affleck, Miss Anne Doyle, Junior Certificates: Mr. Gerard MacIntyre, Mr. Kevin Doyle, Mr. John Mullen.

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**Annual Meeting Of Kelly's Cross C. W. L.**

The members of St. Joseph's sub-division of the Catholic Women's League, Kelly's Cross, met on Sunday afternoon May 6th, for their annual meeting in the Side Chapel.

The meeting opened with the League prayer by the president, Mrs. Joseph Kelly, who occupied the chair. The minutes of the previous meeting were read by the secretary and adopted as read.

The treasurer in her report showed that the league had a very successful year. With the various activities held it raised the net sum of \$1,694.00 of which \$1,418.00 had been donated to the building fund. All compulsory fees as well as voluntary ones have been reported paid.

The president gave an account of the years work and extended her thanks to the Reverend Director for his assistance and to the executive and members for their co-operation.

Father Smith spoke in glowing terms of the success achieved and in a gracious manner thanked the president and the different officers and committee for the splendid work accompanied in the year just past.

The election of officers there took place as follows: President: Mrs. Joseph Kelly (re-elected); Secretary: Mrs. John Molyneux (re-elected); Treasurer: Mrs. Clarence Curley (re-elected); First Vice-president: Mrs. Gavin Toole; Second Vice-president: Mrs. Ambrose Monaghan; Third Vice-president: Mrs. Bennett Trainor.

Convenors: Maplewood: Mrs. Reg Kelly; Brookvale: Mrs. Maurice Bradley; Upper Road: Mrs. Emmett Garmon.

**Present First Aid Certificates At Mt. Stewart**

Dr. Ross Stewart, chairman of Red Cross First Aid Services presented certificates on May 3rd to a group of citizens who were instructed in first aid by Miss Ida MacKay, Public Health Nurse.

Dr. Stewart spoke of the great number of people who are injured, handicapped and in some cases killed by accidents. He stressed the fact that most of these accidents are preventable. He urged those who received certificates to do their utmost to remove accident hazards from their homes, to drive safely on the highways and to use good judgment at all times.

"In these ways," said Dr. Stewart, "You will prevent many accidents, much suffering and maybe save life."

Three first aid films were shown by Mrs. Harry Cudmore. The class presented Miss MacKay.

Business was then taken up by the re-elected president. Correspondence was read and discussed and it was decided to send \$25.00 to the Catholic Girls' Scholarship at St. Dunstan's University.

The new church will be thoroughly cleaned every Monday by four women during the summer months. Mrs. John E. Trainor, Mrs. Ambrose Monaghan and Mrs. Maurice McDonald comprise the entertainment committee and some form of entertainment will be held weekly in the hall for the purpose of increasing the parish funds. The meeting was brought to a close with prayer by the Reverend Director.

**GREENDAL'S 24th Birthday Sale NOW IN Full Swing Bargains Galore**

- Ladies' Spring and All-Weather Coats. Values to 29.50—**Special 14.24**
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- Ladies' Coats—tweeds and plain wool materials. Values to \$49.50—**Sale 22.24 to 32.24**
- Children's Jackets in Gabardine, Corduroy, etc.—**1.95 to 5.95**
- Men's Suits—all wool worsted, assorted colors. Sizes 36 to 44. Values to \$69.50—**Sale 14.24**
- Men's Suits—nylon gabas, flannels, etc. Plain and flecked patterns in grey, blue, teal and brown. 1 and 2 pants. Values to \$54.50—**Sale 29.24**
- Men's Sport Coats and Blazers. Values to \$29.50—**Sale 14.24 and 19.24**
- Men's Topcoats—nylon blends, tycondas, all-wool tweeds, etc., including zip-in-lined. Values to \$35.00—**Sale 14.24 and 18.24**
- Men's Sport Shirts—assorted patterns, S, M, and L. Values to \$3.95—**Sale 2.24**
- Men's Jackets, including gabardines. Values to \$10.95—**Sale 3.24, 4.24 and 6.24**
- Boys' Jackets—Corduroy, Gabardines, etc.—**Sale 3.95**
- Boys' Sport Shirts—**Sale 1.24 and 1.64**
- Boys' Pants—sizes to 16 years. Also Boys' Jackets. Values to \$4.95—**Sale 2.84**

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**USEFUL FOR FARMERS TOO**

It isn't complicated, fellows. Left to right are: Sergeant George A. Givens from R. C. A. F. Station Lincoln Park and Hanna Calgary, Alberta; Cpl. Jesse W.

Stevenson from R. C. A. F. Station Centralia Ontario, and Medicine Hat, Alberta, and LAC Thomas R. Marshall of R. C. A. F. Station Namao and Elkhorn Alberta are receiving instruction during the

advance course for Diesel Electricians at R. C. A. F. Station Aymer from Corporal S. MacDonald of Charlottetown, P. E. I. The Diesel Electricians Course is given to tradesmen who have

attained a high standard of knowledge in the repair and maintenance of diesel engines. Highly trained specialists like these R. C. A. F. personnel are an integral part of the Air Defence of Canada.

**RELIGION AND LIFE**

By Very Rev. George C. Pidgeon, D.D., LL.D. First Moderator of the United Church of Canada (Copyright)

**OUTCASTS PRECIOUS TO GOD'S HEART**

Once in a Chinese village someone painted a series of pictures illustrating the parable of the Prodigal Son. The figures were Chinese and so was their garb, and the young man's dissipation was pictured in terms of the Chinese understood only too clearly. The pictures were placed in a shop window and for weeks that window was surrounded by interested observers every hour of every day. The human interest in that story appeals to every heart.

Certain of Jesus' parables are like mountain-peaks that pierce the sky. The Mount Everest among them is the parable of the Prodigal Son. It is a revelation of the heart of God. Its tenderness, its love that waters cannot drown, the undying identity and undying hope that it describes picture a God to whom persons are more precious than worlds.

The dark background of the picture sets forth its splendor magnificently. There we see good people whose virtue repels those who lack it.

The scribes and Pharisees were the highly moral folk of that time but they were self-satisfied in their goodness. Their belief about sinners was that the blacker the sin the deeper the guilt, and therefore the severer the punishment deserved. Jesus answer was that the darker the sin the deeper the need, and therefore, the stronger the claim on the love and mercy of God.

Those outcasts, even at their lowest, were precious as persons to the heart of God, and He would rather save them from their sin than punish them in it. God wants you back and is eager to do everything for you in the message of the Gospel of Jesus Christ to every sinner in the world. This parable sounds that note so strongly that all the unwise are healed.

**PISQUID EAST**  
Mrs. Edward and Mrs. Alton Jay were hostesses to the ladies of Pisquid East Women's Institute, Tuesday evening, May 1, with a good attendance. After routine business lunch was served by the hostess.

**FLAGRANT WASTE**  
But a lost animal or a lost article could never set forth the moral elements involved in the loss of a human soul—the willfulness, the ingratitude, the flagrant waste of a family heritage bought with blood and tears, the sheer baseness that would leave the best to reveal among the worst.

the personal surrender to influences that destroy in preference to those that make one great and good. So we have the parable of the Lost Son with his gross indulgences and the misery that followed them.

It took the consequences of this man's sin to awaken him to the nature of his sin. There was nothing deeper in him than had found expression in his indulgences. After all, he didn't belong among either the drunken rioters or the swine.

It was "when he came to himself" that he saw that there was a place for him in his Father's home and that only there was he really "at home." He was hungry, of course, but it was more than bread that he wanted, in rags, more than half-starved, and diseased, he was yet a son.

All sin is "leaving home," and repentance is a return home—to the Father's heart as well as to His house.

It is the Father's welcome that is the climax of the parable. He never even mentioned His son's sin. He forgot all the past in the diamond-studded opportunity of welcoming him, and clothing him in the "best robe," and providing for him a feast among his fellows, and calling on all the household, even to the humblest slave, to rejoice with Him over His son's return.

Those of us who once knew the joy of conversion understood what was behind Charles Wesley's exclamation: "O for a thousand tongues to sing My dear Redeemer's praise!"

The source of that rejoicing is the Father's heart and it is reflected in every human heart that finds Him. It was this that kept the Father from bringing His "elder son" into the banquet-hall, for a kill-joy could have no place in that company where every heart was ringing and singing with the joy of the welcome home.

Come near and try Him, O you who are far away. To catch one breath of the Father's gladness will show you where you really belong. And it awaits you still.

**MISS ISABEL BIRT, Charlottetown, spent the week-end with her parents, Mr. and Mrs. Wallace Birt.**

**MISS MABEL JAY, Charlottetown, was a week-end visitor at the home of her parents, Mr. and Mrs. Levi Jay.**

**MISS JUANITA JAY, Charlottetown, spent the week-end with her parents, Mr. and Mrs. Edward Jay.**

**MR. AND MRS. B. W. BIRT, Mount Stewart, visited relatives in Pisquid East, Sunday, May 6.**

**CIGARS FOR CHURCHILL**  
AACHEN, Germany (Reuters)—Sir Winston Churchill Thursday received a huge box of 120 cigars arranged in the pattern of the Union Jack. The five-foot-long box of cigars was a gift from the Dutch town of Heerlen a few miles from here.

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