## Scientific Facts

NEWEST NOTES OF SCIENCE.

The government has assumed control of all radio brodcasting in denmark for a year and has appointed a board of 27 members to take charge of the preparation of programs.

Swiss government experts who have tried to find a successful process for using alcohol as a substitute for gasoline have failed to discover a motor fuel better or cheaper than the latter.

Resembling a lawn mower is a new implement for gardeners in which revolving knives pulverize the soil and a stationary blade cuts off weeds several inches below the surface of the ground.

Although garments made of a new English artifical silk seem to wear and stand washing as well as those of the genuine article they can be successfully dyed only a limited number of colors.

Mounted on a motor truck, an oil burning heater has been invented for melting roof reparing materials that are drawn off at the bottom with a minimum of waste and debris to litter streets.

Two Frenchmen have invented a process for making building brick by compressing earth containing a small proportion of clay, structures made of them being coated with a waterproofing material.

The use of a center pole is eliminated in a new tent that folds compactly for carrying and that is supported by light metal tubing at the corners and top ribs that can be adjusted to tighten it.

Measurements of slow sliding movements of the earth are measurod by protographing stars through a slender tube invented for the purpose and comparing the pictures with those taken at other times.

Utilizing ultraviolet rays in a device of his invention, a German scientist has made it possible to read ancient parchment and papyrus manuscripts from which the writing apparently has disappeared.

To prevent a person's hands being caught in a clothes wringer a Chicago woman is the inventor of a wringer to which cloths are fed on a belt and that keeps the fingers several inches out of danger.

With the completion of plants under construction Italy will be connected from the Alps to Sicily by a distribution system for electricity to which most of the power stations can contribute current.

For dispatching trains by telephone a selective switchboard has been developed with which a dispatch can call up any station without interfering with others on the same circuit or reach all at once.

The proposal to establish a radio broadcasting station at Delhi was abandoned when it was found that 500 word news programs, if translated into India's many languages, would require 24 hours to transmit.

Small metal clamps have been invented to take up the slack in fence wires.

Seven or eight earthquakes are recorded weekly at the Hawaiian volcano observatory.

For public lavatories a machine has been invented from which soap in sheet form is dispensed.

A British patent covers a new process for the manufacture of nitrogen fertilizers from straw.

Chemists have found a way to make synthetic thymol from a wast product of the paper industry.

French prospectors are seeking petroleum on a portion of the coast of Greece and near by islands.

Operated either by hand or motor, a machine has been invented to sharpen saws quickly and accurately.

An international exposition of wireless telegraph will be held at Geneva, Switzerland, from September 9 to 20.

There are two ball sockets of different elevation on a new rubber tee to afford variation in practice strokes.

A new theatre at Liverpool has been equipped with the most elaborate stage machinery of any playhouse in the world.

To prevent cigarettes staining a smoker's fingers an inventor has patented a finger ring carrying a clamp to hold them.

A recent official census credited Uruguay with more than 14,500,000 sheep, an increase of more than 3,000,000 in eight years.

In 20 years the average life of an automobile tire has been increased from about 2500 miles to from 15,000 to 20,000 miles.

An engine driven by steam at a pressure of 3200 pounds to the equare inch is the subject of experiments under way in England.

An Oregon man has invented a flag pole with a top that is revolved by a wind vane to prevent a flag wrapping around the pole.

A botanist in Europe has produced a mosquito killing shrub by grafting shoots of clove or cinnamon trees to a variety of basil.

The height of a person as well as his weight is registered automatically with a new machine when a coin is dropped into a slot.

To encourage the use of electricity in agriculture throughout Sweden a model electrical farm has been established near Stockholm.

A woman is the inventor of a cabinet in which meals for several persons can be kept warm indefinitely over a room heating radiator.

Phosphate deposits along the coast of the Red Sea are the only ones of commercial value of the many that have been found in Egypt.

A clamp that has been invented to handle a number of heated dinner plates will not release its grip until they are placed on a table.

Fasteners have been invented to hold bags of cement in such a position in dump body trucks that they are automatically emptied as the bodies are elevated.

To encourage silk production in Turkey the government destributed mulberry trees and silk worm eggs among peasants in the vicinity of Constantinople.

A novel live bait container to be supsended from a fisherman'sbelt has water tight compartments in which cigars, matches and other aticles can be carried.

The use of radio telegraph having become generaly on French fishing vessels, the government is assisting in experments with the use of wireless telephones.

For the protection of persons likely to be held up by highwaymen a club that can be carried in a pocket from which tear gas can be ejected has been invented.

To enable one man to fight suburban fires in their incipiency an English inventor has equipped a light automobile with a pump hose and chemical extinguishers.

Its inventor has inserted a bottle opener in the handle of a kitchen spoon having a bowl perforated and formed so that it can be used for a number of purposes.

In an auger of European invention for boring post holes there is a valve which permits earth to pass through one of the blades and be lifted out with the tool.

A naval officer has combined the sextant and camera in an instrument to aid aerial navigators to determine their location quickly even when the horizon is hazy.

After several years of delay hydroelectric power will be developed in the Lochaber destrict of Scotland for the manufacture of aluminum and to supply industries.

For cleaning snow from city streets a motor driven' machine has been designed that scoops up large quantities lifts its loads and carts them away without rehandling.

An English inventor's expansion plug for holding screws in building materials is made of a non-conducting fibre that permits it to hold and insulate electric wiring.

A Switch has been invented with which the gas in a water heater can be light from any room in a house being turned off automatically at any set time by clockwork.

An automatic fire entinguisher operated by the presence of heat expanding a liquid has been invented by a Frenchman to conquor fires in airplanes as soon as they begin.

Made either from low grade oil or refinery residue a new illuminating gas has greater heating and lighting value than ordinary manufactured gas and is non-asphyxiating.

Music resembling that of a trombone or trumpet can be produced by any person able to hum a tune into its mouthpiece with an instrument invented in England for orchestras.

Although less than half a pound of radium has been produced in the world since the element was discovered 27 years ago its production is estimated to have cost $15,000,000.

Recording applaus according to public performers consists chiefly of a vibrating drum supporting a pen.

Motion picture apparatus has been to the equipment of some large European airplanes to entertain their passengers during long flights.

It has been estimate that the United States government is saving about $100,000 a year by carrying on much of its communication by radio.

Cork farmers in Spain have found that they can prevent underbrush growing up to injure the bark of their trees by pasturing pigs among them. take 2

The tip of a new tube for paste is made of rubber and seals its narrow opening each time it is used to keep its contents moist.

Coal deposits that have been discovered in Zambesia will be developed by Belgian interests that have obtained control of them.

Both vertical and horizontal spring suspenension are provided for the seat of a new stool that lessens fatigue for office workers.

Young men from French farms are given courses in agricultural mechanics in the winter month in a school opened by the government.

For home use a motor operated ironing machine is so mounted on its base that it can be tilted vertically and stored in small space.

Russian railways are experimenting with trains propelled with electricity generated in one of their cars by either coal or oil fuel

A novel alarm that can be screwed into the opening of an automobile gasoline thank sounds a bell when the supply of fuel becomes low.

Tobacco pipes are being made in England from laurel wood, their inventor claimed they are equal to briar root pipes and cost much less.

A California inventor's device for having several faces at different angles that tell the time in as many of the world's leading cities.

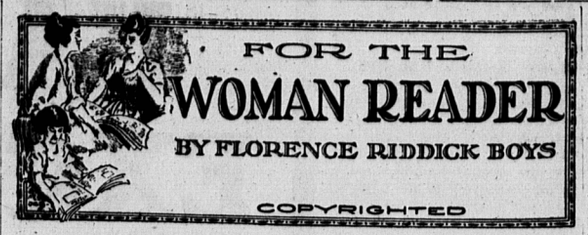
An English inventor's cook stove using gas, kerosene or gasoline has a single burner that can be moved under any part of the cooking surface.

Large enough to carry three or four persons, a metal rowboat has been invented that can be taken apart and carried on an automobile running board.

France has promised financial aid to the proposed airplane service between Paris and Buenos Aires, crossing the Atlantic from Africa to Brasil.

Abous 600 patents for devices for curling persons' hair have been granted by the United States Patent Office since the first one was issued in 1857.

With a German camera 700 photographs of printed matter can be made in an hour on a reel of sensitized paper, each being cut off and developed separately.




### ADDING SWEETNESS.

Birds, flowers, trees, vines! Don't these words have a pleasant sound? Certainly here is one way women can add sweetness to community and home life. There is scarcely a place so small or a backyard so desolate that it will not grow a vine or a shrub or a bed of posies.

In ancient Egypt, the priests included in their duties the fighting of weeds and serpents and dangerous animals, and the encouraging of useful animals and vegetation. Even away back in that day, the people realized the uplifting influence of these things. It is doing God service to make the earth more beautiful and to contribute to the delight of mankind.

### PRUNING PLANTS.

When transplanting a tree, shrub or plant, cut off enought of the branches to balance with the roots. That is, not have the plant top-heavy, with many more branches than the roots can support. Even after a plant has become established, certain branches will grow more rapidly than others and the plant should be pruned to preserve its symmetrical shape. Cut away cross branches and dead wood.

To prune a tree is an art and deserves special study. It is a pity to allow tree butchers to maim some of our beautiful shade trees. Trim cautiously, always remembering you may slice off in a few minutes what it may take years to grow again, if at all. Hesitate to trim a tree unless you are sure you know the science of it. This much good authorities tell us: Never top a shade tree.

In general the time to prune a tree or shrub is any time after the leaves fall until the sap begins to flow in the spring. But roses and many flowering shrubs set their buds soon after blooming time and if you want flowers next year on the branches you leave on it is wise to do your pruning soon after they are through blooming.

Ornamental shubs ordinarily do not need much pruning. The object of pruning roses or fruit is only for the value of the flower or fruit, but a shrub is admired for its beauty as a whole and should not be much pruned. It is beter to choose smaller varieties of plants for small places, which will not need pruning, than to choose coarsely growing varieties and to be constantly pruning them. They are likely to be neglected and to grow rank.

### ETIQUETTE

#### THE HOSTESS.

The duty of the hostess is to make her guests have a good time. To do this she needs to learn their tastes. It is not necessary to entertain guests all the time. They like some quite hours to rest, for being away from home is always somewhat of a strain. The cool veranda and a chance to look over magazines may be the greatest treat.

Those from the country, when visiting n the cty, usually lke to see the sights and city people prefer the typcal atmosphere. People usually enjoys things which are opposite from what they have at home, or the typical characteristics of your neighborhood. These will be interesting to them, though very stale to you.

An unmarried girl likes to meet some of the fine young men of your neighborhood. A new man acquaintance is always pleasing to a woman. Some of your friends would rather not be bothered meeting people, while others like nothing better.

The food, the room, the program for your guests should all be adaped to their delight. Above all things do not let your guests think they are a burden to you or you cannot spare the time or money to give them a good time or money to no guest should impose on the hostess.

### CLOTHED IN SILKS.

For the past ten years silks have very largely supplanted cotton in women's clothing. This has increased the cost of women's wear about forty percent. Fortunately the slender lines and short skirts have demanded the minimum of yardage; but silks does not wear as well as cotton, and it takes more garments to serve a year. At present very fine new types of cotton are being manufactured and there is a hint of a return to the better qualities of cotton goods such as the so called "broadcloth" and some mercerized fabrics. Cotton goods have the advantage of tubbing better than silk and give to the wearer a feel of fresh crispness absent from the sleasy silks.

### CLUB MARKETS.

Farm club women of South Carolina, have received surprising profits from their club markets. In some towns these are open only on Saturday and in others two days a week. Products are sold on a five percent commission.

These sales have enabled many ambitious women to earn good incomes. One woman sold 0$100 worth of cake in one month. Butter, garden produce, flowers, sausage, eggs, baked goods and canned fruits always find a ready market, as do articles in other lines; for example feathers for a pillow, or fancy work, or bedquilts.

The same plan could be worked in any community.

### EATS FOR HOT WEATHER.

When the days are hot, eat less meat and hearty foods and substitute fruits and vegetables — especially those which can be eaten raw. Let fish and fowl take the place of the red-blooded flesh, when you do eat meat, which might be about twice a week.

Eggs, salad and cheese are good a summer foods; as are endive, celery, lettuce, cucumbers, given corn, cabbage, and tomatoes. Avoid pie and rich cake.

Plenty of water is an aid to keeping cool. It helps wash the body from the inside, through perspiration. Drink ten or twelve glasses a day, cool but not iced.

### WATER-SPOTS IN SILK.

Silk is so largely taking the place of cotton in summer dresses and shirts, that many people are grived to find that water spots their new apparel.

Water-spots may be removed by holding the spotted place over steam from a boiling kettle. Press the silk on the worng side while it is still damp. When the garment is older it will not show water-spots so badly.

### TRAINING PARENTS.

Iowa University offers, as a part of the curriculum of its summer school, courses in the Study of Child Life. Here fathers and mothers learn how to train and manage children. They are permitted to bring the children along and they can be used as laboratory specimens or illustrations for the work. Imagine how it will make for higher grade home life if father, mother and kiddies pick up and spend a few weeks there—unless it makes the children too self-conscious.

### PLUMB THE FARM HOME.

Nine out of ten farm houses have no plumbing, and there is no other one thing which does so much to make home life comfortable. Especially is it a hardship if the farm woman has to carry in and out all the water for washing, cooking and cleaning.

Simple systems could be devised which the farmer himself could install if he has any knack in mechanics. It is not necessary to install all the convience at one time, if funds are short, but a beginning should be made at it, and a systematic plan laid out for completing this convenience. Begin now and give the good wife the advantage of running water in the home and a sink and drain to carry off the slop.

### THE HOME GARDEN.

The freshness and joy of "rolling your own" kitchen garden truck! No green corn is as sweet and milky, no peas as tender, no string beans as well flavored, as when gathered in your own garden a few minutes before time to ge into the pot. And no lettuce is as crisp, no radishes as snappy, and no onions as tangy as those pulled for supper just before you sit down to eat. You'd be surprised how many vegetables you can get out of even a very small patch, lovingly tended. A tiny, wee garden can raise a great, big crop of satisfaction.

### BUY FURS IN AUGUST.

The most economical time to buy furs is in August. One is usually able then to get a good reduction because of the slack season.

The attic is not a safe place to store furs. The ordinary clothes closet is better. Occasionally—during the summer—give the fur a few taps with a stick to see if "the furflies." If tufts of fur loosen up this indicates moths.

### PIPES FOR WOMEN.

It is reported that woman lovers of "the weed" in London and Paris are eschewing the cigaret for the "honest cob" and "sweet briar." Imagine seeing a lady going calmly down the avenue, puffing at her pipe!

But the idea is not new. In the seventeenth century it was not uncommon to see a woman nurturing her pipe. Most of us remember old ladies who were fond of this diversion, and who grew up with it from their youth. Back to grandmamma, is not all it is reputed to be.

### TO KEEP THE HOUSE COOL.

In summer one may keep the house cooler by closing the windows and drawing the shades about eight o'clock in the morning after the house has had its morning bath of fresh air. Open it about sundown and it will be cool for the night's sleep. Leave the windows open all night to fill up on the cool night air.

### FIRST WOMAN PHYSICIAN.

Dr. Augusta Stowe Gullen was the first Canadian girl to take a medical degree from a Canadian University, the University of Toronto. She has been prominent in the cause of woman suffrage.

### MRS. SOLOMON SAYS:

In "the good old days" we didn't complain about the wrong number," the electric light bill, a flat tire, "static," nine cent street car fare, or the fellow who talked out loud in the movie.

### SMILES.

#### AUTO-INTOXICATION.

The boob drank gasoline instead of hootch and now instead of hicking, he honks.

# REPORTS OF WOMEN'S INSTITUTES OF P. E. ISLAND

**St. Nicholas** Women's Institute met on July 8th at the home of Mrs. Amable Gaudet with ten members and two visitors present. Roll call was answered with a "Penny" collection. After the regular business was transacted, it was decided to have a Pie Social on the 22nd, and to make a cake for lottery. The next meeting will be held on August 8th in the Hall.

**Spring Park** The June meeting of this Institute was held at the home of Mrs. Fred Gregory with thirteen members present. The meeting opened with the Ode and the usual business was transacted. The sick committee reported no sickness in the community during the month. The members decided to buy a Sign-board for the school, also a Flag, and Mrs Groome and Mrs. Whitlock were appointed to see that it was flying on Dominion Day. July 7th was chosen as the date of the Annual Festival and committees were appointed to canvass the district for cakes and candy. A business meeting was arranged to be held a few days before the Fesival. Refreshments were served and the next meeting will be held at the home of Mrs. B. Vail. At the May meeting of this Institute, Miss Evelyn Windsor was present and gave an interesting talk on Institute Work. Mrs. Keenan sang a solo which was greatly enjoyed by all present.

**Wheatley River** Twelve members and twenty-four visitors attended the July meeting of this Institute held at the home of Mrs. Henry Ross. The meeting opened by repeating the Creed and the minutes of the last meeting were read and approved. Roll call was answered with suggestions on "How to improve our meetings." It was reported that Sign-boards for Wheatley River and Anglo Rustico schools had been procured. After a very nice luncheon, the ladies were treated to old fashion songs by the members. The next meeting will be held at the home of Mrs. Nelson Stead.

**Northam** The July meeting of this Institute was held at the home of Mrs. Edward MacArthur with fourteen members and one visitor present. After singing the Ode and repeating the Creed roll was called and the minutes of the last meeting read and adropted. Committees were appointed to keep the school premises clean during vacation. Plans were made to hold a joint meeting at Port Hill to hear Miss Mathieson's report of the Convention. A business meeting was arranged to be held as soon as some bills came in in connection with the Ice Cream Social and Bazaar. An invitation was received to visit the Experimental Farm. The next meeting will be held at the home of Mrs. David Ramsay when roll call will be answered by telling "What I would do with $1,000." After a very dainty lunch, a vote of thanks was rendered the hostess for her hospitality. The meeting closed with the National Anthem.

**Long Creek** Institute met at the home of Mrs. Fred Stretch on July 1st with eight members and five visitors present. After singing the Ode and the reading and adoption of the minutes, roll call was answered with "Your Ideal Husband." Reports of the Convention were given by Miss Annie McPhee and Mrs. W. Shaw. A letter was read from Mr. Clark, inviting the Institute to hold a Picnic at the Experimental Farm. Committees were appointed to arrange for refreshments at the Entertainment to be held on July 7th. The next meeting will be held at the home of Miss Rose McEachern.

**Linkletter** Fourteen members and five visitors attended the July meeting of this Institute held at the home of Mrs. Edgar Linkletter. The meeting opened in the usual manner and an interesting report of the Convention was given by the delegates. Bills for treats to school children and delegates expenses were presented and ordered paid. While this meeting was going on, the men of the disrict were busily engaged improving the cemetry. Supper was served on the lawn to all, the younger folks having spent the afternoon playing games and bathing. The next meeting will be held at the home of Mrs. Henry Clark.

**Searlstown** Institute held their July meeting at the home of Mrs. Henry Callbeck with nine members and two visitors present. After the regular routine business had been taken care of, the members decided to erect a Sign board on the school, and also to have their Picnic on the date of the Potato Growers Picnic. The next meeting will be held at the home of Mrs. James McQuarrie.

**St. Peter's South** The July meeting of this Institute was held at the schoolhouse with nine members present. After singing the Ode, roll call was answered by each member paying their fee. Some discussion took place on raising funds but the matter was left over until the next meeting. It was reported that the pump will be finished, if possible, before the school opens. One new member was welcomed. Certain bills were ordered paid. The meeting closed by singing the National Anthem. The next meeting will be held in the school and roll call will be answered with "What I would do with $1.000."

**South Bedeque** On July 13th, eighteen members and one visitor met at the home of Mrs. Geo. MacKay where the regular monthly meeting of this Institute was held meeting of this Institute was held. After the usual opening, very interesting reports of the Convention were given by Mrs. Affleck. Roll call was answered by the members giving their earliest recollection. Some very interesting stories were heard that proved very interesting. Flag chart was purchased and hung in Lower Bedeque School. Sign boards were purchased for the two schools in the district. Lunch was served as usual. Mrs. McKay treated the Institute to delicious strawberry Ice Cream. The next meeting will take the form of a Picnic at Ferwood Lighthouse, to which Central Bedeque Institue will be invited.

**Kinross Uigg** The June meeting of this Institute was held at the Manse with seventeen members and two visitors present. After the usual opening by repeating the Creed roll call and minutes ,regular routine business was taken up. Mrs. S. W. Campbell, the President handed in her resignation and Mrs. Scott was appointed in her place. Mrs. J. A. McLeod gave an interesting report of the Convention. A Signboard has been placed on Uigg school. The orphanage fund was reported to be $26.00. The programme consisted of readings and singing by the members. The next meeting will be held at the home of Mrs.J. A. Gillis. At the July meeting of this Institute, roll call was answered by naming "My pet Economy." Money was voted for paying for the Sign board for Grandview school, also the delegates expenses. The next meeting will be held at the home of Mrs. N. McLeod, Lyndale.

**North River** The July meeting of this Institute wah held at the home of Mrs. Jane Stevenson with eighteen members and six visitors present. After singing the Ode, roll call was answered with Jokes and Hints etc. An interesting report of the Convention as given by one of the delegates, and Mrs MacFarlan's paper on "Making the Meetings Interesting" was read. Mildred Warren was appointed to take the place of the Secretary, who will be unable to attend future meetings. The members decided to buy scenery from the Community Club for the Hall. The next meeting will be held at the home of Mrs. Alfred Yeo and roll call will be answered with "My Pet Superstition."

**Frectown Lot II.** Institute held their July meeting at the home of Mrs. E. Palmer with fifteen members and a large number of visitors present. After singing the Ode, and roll call, a full report of the 12th Annual Convention was given by Miss Allen. The members decided to have the new fence around the school painted and the lawn mowed. The programme consisted of vocal and instrumental music. Two new members were welcomed. Mrs. Eliza Palmer was appointed Secretary to take Miss Allen's place. The next meeting will be at the home of Mr. and Mrs. E. Hardy. Hardy's Harbour.

**Grand River** Institute met on July 14th at the home of Mrs. J. D. McLellan with sixteen members and eighteen visitors present. The meeting opened with the Ode and the usual business rountine was carried out. Roll call was responded to with "Helpful Hints." It was decided to order signs for Cross River and Bayside schools, and arrangements were made for holding an Ice Cream social to raise funds. Two new members were added to the Roll. The next meeting will be held at the home of Mrs. Patrick McLellan.

**New Annan.** Ten members met at the home of Mrs Chester Tuplin on July 13th where the regular monthly meeting of this Institute was held. After the usual openng, the Secretary gave a report of the money made at the Play which is to be again repeated. Some discussion took place on School improvements. A letter was read from Miss Windsor, and the President was asked to see the other Institutes to make arrangements for a joint meeting at which Miss Mathieson would be present and give her report of the Federated Institute Convention. An invitation was received to hold a picnic at the Experimental Farm. Lunch was served, and a collection amounting to 95cts. was taken. A vote of thanks was tendered the hostess and the meeting closed with the National Anthem.

**Fredericton** Women's Institute held their July meeting at the home of Mrs. J. H. Cutcliffe where eleven members and one visitor were psesent. The meeting opened in the usual manner and roll call was answered by paying a "Nickel". reports were received to the effect that the exterior of the school had been painted, making a decided improvement to the appearance of the village. A very successful Ice Cream festival was held the proceeds from which amounted to a considerable sum. The next meeting will be held at the home of Mrs. Fred Weeks when roll call will be answered with your Birth stone and birth month.

**Murray River.** The July meet of this Institute was held at the home of Mrs. Angus MacDonald with seventeen members and five visitors present. The meeting opened in the usual manner and roll call was answered with a Proverb. Interesting report of the Convention given by one of the delegates. Tenders on school work were opened, and one of the tenders accepted. One Institute member was placed on the school board. Two new members were welcomed. The matter of holding district convention was discussed and it was decided to confer with the other Institutes. The next meeting will be held at the home of Mrs. G. A. Whiteway, Dover.

**Lower Montague.** The July meeting of this Institute was held at the home of Mrs. Schrimer with seven members and four visitors present. The meeting opened with the Ode, followed by Prayer and roll call was answered with "Quot- ... The minutes of the last meeting were read and approved. Some discussion took place on holding an Ice Cream Social to raise funds. Mrs. Beck read an interesting paper on "Current Events." The meeting closed by singing "Auld lang Syne." The next meeting will be held at the home of Mrs. Aaiken.

**"Glenmere"** Institute met on July 22nd with thirteen members and six visitors present. The meeting opened in the usual manner. A letter was read from the Department in regard to the Supervisor's visit and it was decided to attend the joint meeting at Gowan Brae. Mrs. Jos. MacDonald and Mrs. Philip MacGough were appointed on School committee. It was reported that the blinds and paint ordered for the school had been suplied. The next meeting will be held at the home of Mrs. P. A. MacIsaac.

**Mount Buchanan.** Fifteen members met at the home ofMrs. Nelson Cantelo on July 9th. The meeting opened in the usual manner, the roll call being responded to with "Conundrums." Following the reading of a letter from the Department in reference to co-operating with Eldon Institute to hear Miss Mathieson's report of the F. W. I. Convention, on the 29th of the month, Mrs. Robertson and Mrs. Buchanan were appointed to wait on the President on Eldon Institute and make the necessary arrangements. Seven new members were welcomed. The members decided to hold an Ice Cream Festival in July. After a dainty lunch served by Mrs. Cantelo, the meeting closed by repeating the Creed. The next meeting will be held at the home of Mrs Thomas Nicholson.

**Traveller's Rest.** Mrs. L. Small was hostess to seventeen members and five visitors at the July meeting of this Institute, which opened with the Ode and the repeating of the Creed. Following the usual business routine, it was reported that the Egg day collection on July 1st had realized $8.10. This Institute will met with Sherbrooke and New Annan Institutes in the Traveller's Rest Hall on August 13th when Miss Mathieson will be present and give her report of the F. W. I. Convention which she has attended in Victoria B. C.

**Armadale.** Eight members attended the July meeting of this Institute held in the school. The meeting opened in the usual manner. The members decided to have the windows glassed. The President gave a very interesting report of the Convenion and a splendid paper on "Making the meetings Interesting" were given and greatly enjoyed. The members decided to start a quilt at he next meeting. The next meeting will be held in the school.

**Victoria West.** The July meeting of this Branch was held in the school and was attended by thirteen members and four visitors. The meeting opened in the usual manner and the general rules for conducting meetings were read from the Handbook by the President. An interesting report of the Convention was given by the delegates. Arrangements were made to clean the inside of the school, and at the Annual school meeting, the members voted $50.00 towards school repairs. A gate and two posts have been bought for the school fence. It was decided to provide a Sign board lamps shades and a hand basin for the school. The next meeting will be held in the school and roll call will be answered with "Helpful Hints."

**Central Bedeque.** Eleven members and four visitors met in the schoolhouse on July 27th when the regular meeting of this Institute was held. The meeing opened with the Creed which was followed by roll call and the reading and adoption of the minutes. It was decided to accept an invitation from the South Bedeque Institute to join them in their picnic at Fernwood lighthouse. The members decided to give the school a thorough cleaning before the end of the summer vacation. The next meeting will be held in the school.

**SEA VIEW.** The June meeting of this Branch was held in the School-room with fourteen members present. The meeting opened by singing the Ode and repeating the Creed. Following roll call and the reading and adoption of the minutes, correspondence was read and various bills were presented and ordered paid. The President gave a very interesting report of the Convention which was greatly enjoyed by the members. Plans were made to serve Ice Cream and Cake to the pupils and visitors at the Annual School closing.

**WHEATLEY RIVER** Institute held their June meeing at the home of Mrs. James Mutch with thirteen members attending. The meeting opened with the Ode and the Creed. Roll call was answered with receipts for pies. Mrs. Nunn gave an interesting report of the Convention. It was reported that $42.37 had been realized at the recent Ice Cream social, and this is to be given to he Memorial Fund. Sme d'scussin took place on erecting a Sign Board. The next meeting will be held at the home of Mrs. Henry Ross on July 8th.

**CENTRAL ROYALTY** . The regular monthly meeting of this Institute was held at the home of Mrs. Gorden Webb on June 4th, with seven members and three visitors present. The meeting opened in the usual manner. The School committee reported that the school needed cleaning. Letters of interest were read from the Supervisor, also a letter of thanks from Mrs. Chown. An interesting programme of readings and music was given. The meeting adjourned by singing O Canada, after which a pleasant social hour was enjoyed.

## Responsibility

Sometimes one hears men grumble, saying that their land is poor and that they cannot make a success of their farming operations. From observations I am often inclined to believe that in the majority of cases, small crops and poor returns are not the fault of the farm, but of the farmer. During a trip over quite a large section of our province I have seen poor abandoned farms that would scarcely grow yellow weeds while nearby I would notice others that were in good condition and that were returning to their owners good interest on investment. In the former case the man who cropped the land to death was evidently to blame for its present condition and that he finally decided that it crowded him off. The other man across the road saw possibilities in the land and by a different rotation of crops and by starting out with live stock, he managed to make this land, originally light, yield returns that would have surprised his recent neighbour.

Now this difference is not in the land, therefore it is only right to assume that the change is due to the farmer and not the farm. While tyle drainage is not practised to any great extent in this province, has not the building of improved roads shown that when proper gutters are dug to allow for drainage that the adjoining lands have been wonderfully improved and that they now yield much larger crops than formally. Then would it not be fair to assume that if some of our low lying lands were properly drained they would become much more productive. This then is another sample of the farmer and not the farm being poor. As another instance of the truth of the above. A number of years ago a farm, that had been poorly cultivated, was offered for sale and people said that no one could make a living on it. It was on the market for some time when eventually a sale was made. The purchaser who was a real farmer was sure that if properly cultivated this land would make good returns on investment. In place of merely scratching he delved more deeply into the bosom of "mother earth" and then followed thorough cultivation and the result was a surprise even to himself.

In a few years with a good system of live stock farming this property became as valuable as that of his neighbours, still another instance of the farmer rather than the farm.

Too often men are short sighted, saving a dollar to put in the bank at three per cent. which if properly invested in something to build up the farm, might in a few years make them three dollars to bank instead of one.

When you hear a man grumbling that it is the farms fault because he has not made a success, or when you yourself are inclined to blame things on the farm remember that there are several chances in the farms, favor and that the man is most to blame.

Would it not be well then that our young men, in place of migrating to a foreign land where only too often they become "hewers of wood and drawers of water to an alien people shoulder this responsibility and by staying at home and studying nature in her cower moods make this little province by the sea what the Creator intended it should be the home of peace and contentment.

"Ask why God made the gem so small?
And why so huge the granite?
Because he meant mankind should place
The higher value on it.

### "MOVING BEES."

(Experimental Farms Note.)

Moving bees consists not only in transporting them to the new location, but in making them stay there.

As bees range two or three miles from the hive in search of nectar, they will, if the new location is within this area, likely return to the old home; if, however, it is outside they will remain where placed.

The best time to move bees is in the spring or fall when the weather is cooler and the homing instinct weaker than in the summer.

To move in summer time to a point inside the range of flight, first move the bees to a point outside of it, or down cellar for a week, then to the ultimate location.

If the move is a short one, use a wheel barrow and bump the bees well, place an object to attract their attention in front of the entrance and change the appearance of the old location as much as possible.

The colony should be prepared for transportation in the evening or early morning to prevent loss of field bees.

The bottom-board and cover should be fastened to the hive body by staples sold for the purpose or by wooden cleats and nails.

To close the entrance and give ventilation, take a piece of wire gauze six inches wide and as long as the entrance is wide, and fold it along its longer centre line. Thrust the "V" edge into the entrance and fasten one leg of the "V" to the bottom board, and the other to the face of the hive by laths and nails.

Should the weather be hot, make a two-inch frame of dimensions similar to the hive body, and cover or roof it with wire gauze. This stapled to the hive in place of a cover gives top ventilation and clustering space..

If transportation is by wagon or automobile, place the hive so that the frames will be parallel to the axles of the vehicle; if by railroad, let them be parallel to the rails.

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