OUR FARM PAGE:

ITEMS OF INTEREST TO **EVERY FARMER**

After Harvest Cultivation Helps to Control Weeds

is Practical and Effective, States John D. MacLeod of Ont. Dept. of Agri-

After-harvest cultivation is one of the most practical and most effective methods of controlling weeds, states John D. MacLeod, Crops, Seeds and Weeds Branch, Ont. Dept. of Agriculture. Plants draw heavily on food stored in the roots in order to produce flower and seed and they are at their weakest stage immediately after the crop has been removed.

For the control of annual and winter annual weeds, shallow, thorough cultivation is recommended by using the plow, one-way disc, cultivator or disc harrow. Seeds are brought near the surface by this plan where they cerminate and may be killed by subsequent cultivation. An abundance of moisture plus the methods outlined above, will destroy millions of seedling chants of such weeds as Wild Mustard Stinkweed, Ragweed, Foxtail, False Flax, Pigweed, Lambs Quarters, Shepherds Purse, etc.

der Campion and Chicory, deep plowcultivation both ways is essential in siling. order to cut roots and bring them to the surface where the sun will assist in destroying them.

The "dry eleaning" method has prowen the most effective in controlling cluded in this group are four well- Agriculture. Particular attention is has proven an effective implement in and mixtures of grasses and legumes, the control of these weeds. Deep plowing is needed for Sow Thistle, Canada Thistle and Bindweed. and shallow plowing for Twitch Grass. The field should be left in this rough vation. It should be plowed late in the fall and left in the rough state or ridged up for the winter.

The use of the disc harrow is not recommended for the control of perennial weeds.

An abundance of moisture will prove favourable for the control of annual weeds but will upset all plans for the control of perennials, particularly thos? with underground rootstocks. Two objectives should be kept in mind

when planning after-harvest cultiva-

(1) Practice a green summer fallow when controlling annuals - permit seeds to germinate and destroy them ater by cultivation.

(2) Practice a black summer fallow when fighting winter annuals, blenials and perennials. ground absolutely black until will make further cultivation impos-

After-harvest cultivation will trol weeds and will mean a larger succeeding crop and greater returns.

ECONOMIC HARVESTING

For a long period of years extensive experiments have been carried on by the Field Husbandry Division, Dominion Experimental Farms Service; to determine the best and most economical methods of harvesting and storing hay crops and of harvesting grain and sllage crops with different types of machinery. Crops success-For the control of perennial weeds fully ensiled at Ottawa include corn, having deep tap roots, such as Blad- sunflowers, alfalfa, red clover, alsike, timothy barley, buckwheat, millet, their work under the direction of Miss is recommended as soon as the soybeans, Jerusalem artichoke, and a Florence Eadle, Women's Institute crop has been removed, followed by mixture of oats peas, and vetches, Branch, Ont. Dept. of Agriculture, cultivation, using wide, sharp shares Some of these crops, notably alfalfa, and the Homemaking Club coaches, Streetsville, recently suffered a severe which overlap. Thorough, frequent require great care for successful en-

STUDY PASTURE PROBLEMS

Pasture improvement constitutes one weeds with creeping rootstocks. In- of the major problems in Canadian known perennials: Field Bindweed, directed by the Division of Forsage Perennial Sow Thistle, Twitch Grass Plants, Dominion Experimental Farms and Canada Thistle. The disc plow Service, to the study of pure species their productivity, palatability, nutritive value, aggressiveness, persistence under grazing, and reaction to fertilizer treatments. Annual and supplementary pastures are compared for state as long as dry weather prevails midsummer use when the permanent followed by frequent thorough culti- pastures are at their lowest level of production.

THREE TONS OF FREIGHT TO BUY POSTAGE STAMP

For hauling the average ton of freight one mile the Canadian Na-1 tional Railways receive less than one cent; to provide revenue to purchase; one postage stamp the National Sy- LESSON PASSAGE: 2 Samuel 12:13. stem must carry a ton of freight more

RURAL BOYS, GIRLS PREPARE FOR FAIRS

Junior Competitions to be held Eleven Exhibitions this Fall, Ont. Dept. of Agriculture Officials State-Over 2500 Entries Expected.

Over 2,500 rural boys and girls will take part in Junior competitions at fall fairs this year. This is an increase over last year, Ont. Dept. Agriculture officials state.

While several of the larger exhibitions including the Western Fair at London and the Central Canada exhibition at Ottawa, are not functioning this year owing to the fact that their grounds and buildings been loaned to the Dept. of Militia, the Dept. of Agriculture has decided to carry on with their Junior Farmer work where possible so that those farm boys of today may become the trained agriculturalists of to-morrow. The Junior competitions that ordinarily are held at the Central Canada Exhibition will take place at the Richmond Fall Aug. 23 and 24. The boys will have their usual camp and calf club competitions and demonstrations. The London competitions will be held early in October.

The girls of the Homemaking Clubs will conduct their judging and demonstration programs and exhibit Toronto, and the various Agricultural wishing for his safe recovery. Representatives.

Following is a list of fairs where Junior activities will be conducted:to; Peterborough, Richmond, London, Stratford, Galt and Simcoe.

POLISH TENACITY

The Kingston Whig-Standard

June 25th publishes the following edi-

torial under the title: "Polish Tena-

"The announcement that part if no all of the Polish army which fighting in France has landed England and will take part in the defense of Great Britain is one of the most thrilling and encouraging items of news of the past dark two weeks There is more than a little irony in the fact that the Poles, to whom the Allies were unable to send any effective ald when they were defending their own country, have had an army fighting for months for the defense of France and will now use whatever is left of this force in the defense of Britain.

"The historian will not, howeve hink of this action of the Poles in terms of irony. To him it will only another instance of the extra ordinary tenacity of the Polish people and their complete inability to admit defeat. The Pollsh army in moving to Britain, will now perhaps feel more at home than it has since its own country was smashed in the first German blitzkriez. It will find itself among a people who also realize that no war is lost until the last shot is fired."

STROKE

while the Boys' Club work will be stroke and is confined to bed at his under the supervision of R. S. Dun- home. Hit daughter, Miss Margaret can, Director of Agricultural Repre- Falconer, R.N., is nursing her father try in the last war. sentatives, his Assistant A. H. Martin, and Mr. Falconer's many friends are

Canadian National Exhibition, Toron- by a Brantford cleaning firm, which runs pictures of Hitler and Mussolini, Brampton Belleville, Renfrew, Barrie, with this caption, "Two things we! cannot clean, but they will dye."

SOUTH AFRICAN WAR **EFFORT**

South Africa's war effort is being invasion : the Low Countries, South Africans have been flocking to colours, and racial prejudices and differences have been largely forgotten in the struggle for the common cause of humanity.

Thousands of men have enrolled for fulltime service "anywhere in Africa" and recruiting records have been broken in almost every big city in the Union. South Africans have realised the need for sacrifce and the spirit with which our troops are imbued is best described in the words which General Smuts used in a recent reply to a cable from Lord Caldicote: Whatever difficulties and trialhead and however long the road may be," said General Smuts, "we hope to follow it to the end in company South Airicas are famous for their with our Commonwealth friends and other Allies."

Many units of the Union Defence Force are now on active service while thousands of young men are being intensively trained in the use of modern weapons of war: Like most armies of today, the Union Forces are mainly mechanised but the value of troops on horseback in rough, African country, has not been entirely overlooked, and commando units have been raised in all parts of the

The South African Air Force is already playing its part in the war against Italy and has driven home a number of daring attacks on military the end to VICTORY! objectives in Abyssinia. South Africans have a natural aptitude for flying and the daring young pilots of Mr. Charles H. Falconer, Reeve of the present generation will, without doubt, prove worthy successors to the intrepid airmen who built up such a wonderful reputation for their coun-

The organization of industries on a wartime basis is also materially assisting the Union in its military preparations. Industrialists are keen to do the car stalled, the driver immedi-An interesting advertisement is used as much as they can to help the country's war effort, and manufacturers have publicly declared that they are evils of intemperance, fell on unhearprepared to hand over their factories: ing ears. Mr. Wesley called upon the to the State for the duration of the town chief of police, to remove his war. Munition factories are also being established in various parts of the will likely be up before Magistrate country and production is going Walker to explain his conduct. ahead rapidly.

In common with their menfolk, South African women have responded magnificently to the call to Arms. Ever since the outbreak of hostilities they have insistently demanded that they should be allowed to play an active part in the country's war effort, and for the first time in our history, detachment: of women volunteers have been mobilised. A large number have been called up for fulltime service and will be engaged in clerical and contain types of technical work. The provisions of the military discipline code apply to the members of the Womens' Auxiliary Air Force and the

whether they serve inside or outside the frontiers of South Africa. But women are also serving in many other ways and one of their main functions is to take over civilian | without earnestness.

Womens Auxiliary Army Service,

occurations in order to release many men as possible for active service. They are, for instance, being trained to be ticket collectors on trams and buses, to replace men at key-telephone exchanges, to be signallers wireless engineers, postmen and telegraph messengers, and to take over

all branches of traffic control. The vast snowball of South Africa's war effort is rapidly gaining impetus and from the dorps, the backveld and the cities, men and women are uniting their endeavours to make the South African military machine one of the best and most determined in the Empire.

The training and equipping of the Mobile Field Force has been in preparation for several months and when the mettle of this Force is tested, it will uphold the traditions which are established at Delville Wood; Vimy Ridge, Arras and the Menin Road, to mention only a few places where gallant stands against the enemy in the Great War.

This time of course, South Africa's main front will be in Africa, and within a few months, perhaps weeks, South African forces may be engaging the enemy in the North. These men know the country, they know the African veld, the hills and the valleys. The fathers and the grandfathers of many of them now fighting side by side for South Africa in the Allied cause today, made history for both the British and the Boers on this same African veld some 40 years ago. Now they stand united against the common enemy, ready to fight to

NO PLACE FOR A DRUNK

There is perhaps no place on earth where an intoxicated motorist would be less welcome than on the premises of Editor Wesley of Walkerton. Imagine then his feelings when a car driver in the final stages of inebriation landed up in his front lawn late one night during the past week. When ately sank into a deep slumber, and the editor's curtain lecture upon the uninvited visitor, and the offender

-Mildmay Gazette-Mr. Wesley, it might be explained, is a strong temperance advocate, and spends a great deal of time and effort in supporting the W.C.T.U. and other temperance projects.

SUCCESS

Before a man can build a success. he must believe in what he is building, and then, and not until/then, can .-he get others intelligently and industrially to co-operate with him in the business of making and selling. There list be ahead of any organization an example, not just a teacher.-Van Amburgh

than three miles. CheSNAPSHOT GUILD



TAKING ANGLE SHOTS

In this shot, the "up angle" view is the natural one. Don't be afraid to tilt the camera when the subject is suited to an "angle shot."

"LIOLD your camera level" - | from the front yard or walk. Therethat's what the instruction books say. But it all depends on what you're shooting, and in some shots you get a more interesting effect if the camera is pointed up or down.

When you're taking a picture of your house, the camera should always be perfectly level. That also holds true for other subjects with where the picture was snapped. vertical lines, such as tall treesprovided you want the vertical lines to appear as you see them. With the camera tilted up, these lines will alope toward each other; and your house, for example, will appear smaller at the top.

There's a very simple reason for this. When the camera is tilted. the top of the house is farther from the lens than the foundation. And, as you know, anything at a greater jects. distance from the camera will apbear smaller in the picture.

However, in many cases, the subthat calls for a tilted camera. Conthe belowity above. This is just catching, effective pictures.

The belowity above would appear 294

John van Gr

fore this picture-taken with the camera tilted up-gives the most natural effect.

in the same way, a picture of a person or group in the front yard. taken from the balcony, would be very effective - especially if you stood back in the doorway and included a small part of the balcony railing. That would show how and

These are more or less "normal" viewpoints, but often an unusuat viewpoint gives an interesting of fect. Place your camera near ground level and tilt it up, to taka picture of a golfer or tennis player and the effect is more dramatic. This is known as a "worm's eye" view. "Bird's eye" views, with the camera quite high and tilted down, are also good for many sub-

Experiment with camera angles Your view finder will show you, in each case, what you can get. Always make the viewpoint suit the subject-and you'll get lively, eye-

John van Guilder

International Unitorm Sunday School Lesson

Confession and Forgiveness 15 seen clearly. The burden of guil SUNDAY, AUGUST 25th, 1940

GOLDEN TEXT: "Confess your faults one to another, and pray one for another, that ye may be healed."

14; P-alms 51:1-3, 9-13; 32:5.

Oh, the compensating springs! the balance wheels of life. the seeming strife!

ing the whirl and force,

unconscious source. Confession To Man, 13,14.

asks: "Canst thou not minister to a Leave no lingering roots behind. For mind diseas'd?" It is fully as difficult | we do not want to be better onlyto treat a troubled conscience. The we want to be well." story of Nathan and David gives an instant of expert dealing with a guilty soul. Nathan did not make a direct accusation. He told a story and called forth from David a moral condemnation of a wrong action. Immediately Nathan said. Thou art the man" and David not only admitted his guilt but felt the sinfulness of his unfair action. The purpose of the prophet, however, was to heal rather han to hurt and he told the guilty king how forgiveness might be obtained. While telling the king plainly that his deed would have evil consequences, he assured David that God would forgive and restore his inner peace. Nathan was a skilful soul surgeon and we may learn much from him He was tactful in his approach, courageous in his assertion of guilt and tender in assurance of forgiveness. Something happened to the conscience of David while Nathan was dealing with him. It is helpful to confess to a brother man or to a the confession is qualified to deal with

the sin and the offender. Confession to God, 1-3 held back, for one thing held back spoils it all-cancels the rest." So genuine and thorough was the confession of the psalmist that his words have helped many others. Just before his death. Savonarola wrote a commen'ary on this psalm. Bir Thomas More repeated it on the scaffold. and Lady Jane Grey recited it at her execution. Arnold of Rugby, when he was dying, asked that this pealm be read to him. We too may make the words our own and through them

find forgiveness. A Changed Nature, 9 - '11

"All the schools of modern payachology and all the teaching of Jesus unite on this: that repression be found, brought up, exposed to the light and resolved through confession. There is no other way out." But the resulting forgiveness is no work of of grace. The sinfulness of the sin were the words "Pop on Ice."

is lifted. The willingness to make the wrong right is felt and acted upon. Pardon is accepted by faith and the permanence of forgiveness is experienced. There is death to sin and a new life in righteousness. Along with the death to the old life there is a new birth of the soul. How may we know that we have been born again? The test is very easy, says O.wald Chambers. "If you are han-Oh, kering after the old sins, you are not born again." Temptations may come Hidden away in the workings under but they will be against our desire and not by our will. We develop a new Showing the fret and friction; weight- sensitiveness against sin and are shocked by it. The process of renewal Evolving the truest power from each may bring acute pain but it is redemptive. One has described it: "O Christ, thy knife is going deep. We wince and yet we consent that the One of Shake peare's characters whole thing be taken out by the roots.

> Conversion Power, 12, 13 Our sins may have been so shameful and so shameless that we hardly dare look ourselves or others in the face. Yet saved sinners can often help others and turn their own moral failures into assets in redeeming others. Augustine, the libertine, has helped many a man to purity, and John B. Gough, the restored drunkard, has given release from alcohol to many drinkers A man who has mastered swearing can often in a good natured way, help others to be free from profanity. David's sin was about as low and mean as human sin could go, yet when he was forgiven and had the joy of God's fellowship restored to him, he was eager to tell transgressors about God's merey and convert them to faith. Knowing the cure, there is a radiant eagerness to tell about it to the sick.

Release Through Confession, 5

The advice frequently given to those sister woman when the one hearing who are sick of sin is, "Skip it" or "Forget it." But those easy methods do not work. If we are to be rid of guilt we must deal with it thoroughly. We must confess it first to ourselves. Hearing confessions is sacredly con- to those we have wronged and finalfidential, a relationship of trust be- by to God. "To find oneself wrong tween two people. Stanley Jones says: and do nothing about it is to condemn "We do not need to 'broadcast our oneself to live with oneself when one sins to everybody. Promiscuous con- cannot respect that self. To repress fession to promiscuous gatherings' is it is worse. To drive such a thing as unhealthy. There are some things fear and guilt into the subconscious which .God deals with in his private and to shut the door is not to be rid office" We must confess to God a- of it There it festers and sets up an lone and in prayer "We have not ignitation. The life is unhappy, ill at merely broken a law, we have broken ease, nervous, it scarcely knows why. a Heart. You must tell him so. The It is the result of this repression." approach to God has now been made The example of the psalmist and the easy through Jesus. His awful purity teaching of Jesus show the curative condemned sinners, yet invited them. power of repentance and confession. For they saw that his purity was not Those who have sought for and seforbidding, but forgiving. You dare cured in one way or another the cerexpose your heart to that Heart. You tainty of forgiveness testify to the must-to get relief. But it must be sense of renewed power that it brings, whole hearted and without anything the freedom from internal conflict. worry and depression."

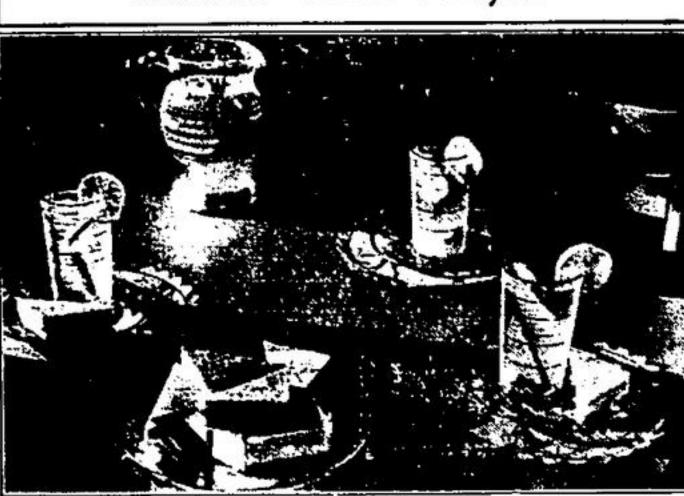
Questions for Discussion Why are many people franker to doctors than to ministers? Have you ever mediated forgiveness

to a person under grievous conviction of sin? Why are we usually more concerned about a sin than about sin? 4. How may saved sinners help others? 5. How did Christ give sinners an

assurance of forgiveness? (Lesson Outlines copyrighted by the International Council of Religious Education. Used by permission).

Nrs. Smith couldn't understand why so many people seemed amused when they passed her bakeshop window. In large gilt letters across the winmagic; it results only from a clearant thow was the sign: "Ma's Bakery," and and changed nature. It is a miracle ust underneath, boldly printed in red,

Summer Thirst Allayers



By BETTY BARCLAY

Centuries ago the Chinese were well; acquainted with lemonade and accurately styled it "thirst allaying water." They beld this drink in such esterm allow: that the White House in the time of the Yuan dynasty, called Li-chi-wan, had an imperial orchard planted with 800 large and small lemon trees to provide lemon:

ade for the imperial family! Lemonade is still just about the most effective "thirst allayer" on a summer day when the thermometer soars and everyone gasps for a cooling drink. Today, however, no one would dream of boiling the lemon inice secording to Chinese custom. Freshly extracted juice directly from the fruit is the first requirement for good lemonade. The longer it stands, the less flavor and

health content it has. Nothing could be purer than the juice in citrus fruits, which is ideal replacement for the water the body loses in perspiration when the sun's rays are over-active. Food authorities recommend fresh fruit juice beverages first as cooling drinks, for they actually miti- Add: Bit of shredded lemon peel gate the effects of heat.

When you drink a big glass of lemonade, you really do cool off, research workers have found. Exposure to high temperatures may cause as much as 50 per cent loss in vitamin C from the body tissue. For replacement, nothing is better than citrus fruits, most abundant in vitamin C. Lowered vitamin C reserves go hand-in-hand with "that] tired feeling," so keep up your lemonade intakel

For a cool, old-fashioned lemonade that will hit the spot, remember three rules. Use fresh lemon fuice and plenty of it. Use ice, and more ice. Don't make it too sweet-it's more refreshing a bit on the lemony side. To sweeten, try honey or sugar and water syrup to get the professional touch.

ade recipe as given; balance as you lead tea a delicate flavor and stores. wish from this selection or other tested Place grated recipes which may appeal to you. as

Lemonade Nothing is more refreshing than olda noned lemmade. For each person

I to 3 tablespoons sugar or honey l cup cold water Extract lemon juice. Add sugar to taste. Stir to dissolve. Add water, Serve over ice in large glasses. Garnish with lemon slice on tim and a maraschino cherry if desired.

Lemon Fizz Make lemonade with carbonated water. Lemon Float 'Add to lemonade a dip of lemon sherbet or lemon frozen cream.

Lemon Shake Shake together well: 1/4 cup California lemon juice, 1/4 cup sugar, 1/2 cup milk, 1/2 cup crushed ice (4 ice cubes).

Lemon Ginger Filp I lemon, extract juice 35 orange, extract juice Sugar to taste

Crushed ice to fill 1/2 glass Combine and fill glass with: Ginger ale Lemon Eggnog

egg white, beaten stiff with I tablespoon sugar I egg yolk, beaten well with 2 tablespoons lemon juice and l tablespoon sugar Fold three-fourths of the egg white with sugar into yolk mixture. Pour into a tell glass and fill with milk,

almost to top. Stir well. Top with remainder of egg white. All drinks for which recipes are given above are in quantities for one only. Lemon with Hot or Cold Tea Correct tea service, bot or sold, includes lemon garnishes. Juicy quarters

should be included as well as decorative slices. Insert cloves, if liked. For isse over edge of glass, is admirable Note: For recipes, use first the lemon- each 4 to 6 cups) gives within last of