NEWS AND ITEMS OF INTEREST TO HALTON FARMERS

(continued from last week)

SOD CEOPS AS SOIL BUILDERS

Hay and Pasture as sod crops have 'not been fully appreciated. They have been the step-children in the crop family of America. fertility made cropping with grain. com, etc., unprofitable. . .

In the Old World-with its longer soil itself. duced to the minimum-

lasting means of increasing our food production, and at the same time maintaining the production of our soils. Sod crops range all the way from relatively pure stands of grass or legumes alone to various combinations and mixtures of both, but all have one charactercovered to date.

while they occupy the land:

reduced to a negligible amount.

When the sod crops consist of sod without delay. the legumes (alfalfa and clovers) or mixtures containing legumes, their subsequent beneficial effects on soil productivity reach a maxi- CROP & SOIL CONDITIONS

Legumes are a superior source of soil organic matter because of their higher nitrogen content than the grasses, or any of the other crop residues. This is important from the standpoint of humus formation in the soil. We referred provement Association, and the previously to the fact that more proposed programme includes the humus is produced eventually from following farm visits; -The Shuh material rich in nitrogen, than farm near Kitchener, which is refrom material with a low content. ported to be carrying 144 head of of nitrogen. The evidence indicates Jerseys on 144 acres of crop land that more humus will be produced plus 35 acres of rough pasture land in the soil from the rotting of one Grass silage is a specialty on this ton of clover, roots or tops, than farm, which has four silos. The from one ton of straw or corn second stop-is to be made at the soil stalks. This is shown by experi- erosion plots near New Hamburg. ments conducted by the experiment and thence on to the D. H. Hart stations in Iowa, Ohio and Michi- and Alex Muir farms, near Wood-

builders, the roots of alfalfa and tices. Visits will also be made the the clovers must be thoroughly first day at Weldwood farm, operanodulated with the bacteria which ted by "The Farmers' Advocate". make it possible for these plants near London, and the Lawrence to use nitrogen from the air, and Kerr farm, near Chatham. hence add to the supply already in The second day's itinerary will the soil. When seeding down to include visits to the Ericau and legumes, it is good economy to Rondeau marshes, which grow a inoculate the seed with the proper wide variety of crops, and thence nitroculture to insure that the root on to the Western Ontario Experinodule bacteria will be present

condition of the soil is to be de- long, which specializes in good clover. Not only do these crops from Agricultural Representative J soil, but their deep root systems cations can be accepted, as the depenetrate heavy compacted imper- mand has already exceeded bus acvious subsoils, opening them up, and improving their structure, aeration, and natural drainage to depths of 16 to 18 inches. The shallower, more fibrous rooted legumes, and such as alsike, red clover and ladino, are exceedingly effective in improving the physical condition of the surface layer, but have little effect on the subsoil. Grass sods of bluegrass, Orchard, Brome and Timothy, are also effective mainly in the upper surface soil as far as adding organic matter and improving crumb structure are concerned. While sod crops, particularly legume sod crops, have tremendous potentials for increasing the organic matter content and improving the physical condition of the soil, they cannot accomplish this unless they are adequately -supplied with nitrogen and mineral nutrients for their optimum growth.

Soils that are acid in reaction and Incking lime should first be limed to nsure that sufficient calcium (lime), is available for alfalfa and the clovers. We are apt to forget that legumes have a much higher mineral requirement than the grasses or other farm crops. If we grow these successfully the required minerals (especially lime, phosphorus and potash), must be in the soil in sufficient amounts, and readily available forms, at the time the sod

that we need to apply much heav- rtural College at Guelph : is being ier applications of mineral fertili- celebrated this year. The month zers than we have been accustomed of June is always a busy month at to for successful growth of the leg- the OAC, with almost innumerate ume crops. Where grasses pre- gatherings holding annual field dominate, of course, the need for days, picules, conventions, confer-They have not been properly nitrogen fertilizer will be equally ences, and the like. This year Cangrown, in the same sense as other important in establishing a strong ada and Ontario is being signally farm crops. They have been left productive, sody Poor, thin sods honoured by the International to themselves to grow on soils tur- neither produce more feed, nor Federation of Agriculture Produ-- ned over to them because depleted protect or build-up the soil, for eers who be holding their annual

gricultural experience, the lands. The capacity of sod crops to scheduled for June 9 and 10. It will still in good production today are build-up soils may also be increas- also be of interest to our readers to those occupied by sod crops for a ed by top-dressing them with learn that this important group is large part of the time, where clean farmyard manure in addition to to pay a visit to Burlington district. or summer cultivation has been re- the initial dressing of mineral fer- hoted for its fruit and vegetables, tilizer. Manure, used in this way on Sunday afternoon, May 29th. Only now are we beginning to to stimulate the growth of the sod On June 7 and 8, Ontario Agrirealize that through the more ex- crop in the rotation will probably cultural Representatives are meettensive use and propes management give, ultimately, a greater return ing in Conference - then on Satof hay and pasture crops, we have per ton applied than when applied urday, June 11th, Halton and Peel the most economical, effective and directly and plowed under for a Holstein and Jersey breeders will cultivated crop.

soil-builders by:

termine its lime and fertilizer Even the humble scribe of this istic in common—they can be made the soil as needed, to fit it for the anniversary of his entering the the best soil builders we have dis- seeding; (c) using a suitable mix- portals of the old gray limestone ture of seeds or legumes and gras- College on the Hill. Years roll by, The six main beneficial effects ses adapted to the soil, etc.; (d) but the memories of those four of sod crops that distinguish them keeping the sod crop down for a years with its association with felas soil-building crops are, that long period in the crop rotation; low students from many parts of (e) feeding the sod by: (i) top- the world and with the Profs. grow (1) the soil is rested from all cul- dressing with manure, as available brighter with the years. tivation; (2) organic matter losses and (ii) top-dressing with suitable. These are but a few of the gathare reduced to a minimum; (3) the fertilizer as needed; (f) harvesting erings which will grace the importly; (5) physical condition improves controlling weeds in the pasture by of the world have graduated. as a crumb structure begins to clipping at the proper intervals; In between these gatherings, Ondevelop; (6) losses of plant nut- (i) following the breaking-up of a tario's rural people will get off the rients by erosion and leaching are sod and the growing of cultivated hay crop which incidentally in most mare, 5 years old, 1300 lbs., good crops by putting the soil back into sections of the County is badly in

> HALTON FARMERS TO STUDY IN WESTERN ONTARIO

Fotry-five Halton Farmers have signed up for the bus trip through Western Ontario on Monday and Tuesday next. The two day tour is sponsored by the Halton Crop Imstock, which are noted for good To be fully effective as soil- pastures, and soil building prac-

mental Farm at Ridgetown. If time The greatest effect on physical permits the Frank Silcox farm at rived from the deeper tap rooted Jerseys, pastures, and grass silage. legumes, viz, alfalfa and sweet will also be visited. We understand improve the structure of the top- E. Whitelock that no further applicommodation.

A. CARROLL TO TURN ON FLOODLIGHTS AT HALTON COMMUNITY PARK, JUNE 6th

flood-lights, report a programme angels ascending and descending teams will get underway at 2 p.m. not. He was afraid and said: how sale. on Monday, June 6th.

be held in the evening under flood- among the heathen. The prophet lights which incidentally are to be Joel tells of God's wrath against the officially turned on in the after- disobedient people. In Matthew 24; noon by J. A. Carroll, Superintend- 29, Jesus tells of the terrible experent of Agricultural & Horticultur- lence that would come to unbelieval Societies of the Ontario Depart-ters immediately after the tribulation ment of Agriculture, Toronto. Mr. of those days. God's name is dread-Carroll is also well and favourably ful among the heathen. God will not known to many, as the Secretary- permit his name to be dragged

tional Plowing Match. ing includes a Carnival, Bingo hear my name shall the sun of games, etc., for which over 40 righteoumess prise with healing in special prizes have already been his wings; and ye shall tread down; donated by merchants of the Coun- the wicked, for they shall be as ty. Then we understand there is to ashes under the soles of your feet be an outstanding gate prize for in the day that I shall do this, saith the lucky ticket holder. All in all, the Lord of Hosts. the programme will be in keeping with the initiative and energy The annual business meeting was crops are seeded down. The best which has already been expended field last Wednesday evening in the insurance for this is to have the by many of the leading citizens of Sunday School room of the church. and apply agricultural Halton, to make this Community A goodly number enjoyed the supphosphate-potash Centre the outstanding recreational per prepared by the ladies, after indicated to be requi- centre in rural Ontario. Last but which the business of the church not least, the ladies of the Lime- was attended to.

house Farm Forum, with the cooperation of a number of Women's Institutes, are pooling their resources to provide refreshment for both the afternoon and evening.

O.A.C. TO CELEBRATE 75th ANNIVERSARY

The seventy-fifth anniversary of The evidence to date indicates the opening of the Ontario Agriculthey become weed intested, killed convention at the O.A.C. This is inout, and subject to erosion of the deed a momentous decision - open sessions to the general public are

pay their annual pilgrimage to the In the summing up, sod crops, in O.A.C. for their yearly field day. the form of well managed hay and Farmers' week at the OAC is next pasture crops can be made real in line, namely the week of June 13th. This will be climaxed by

(a) having the soil tested to de- Alumni Day on Saturday, June 18 needs; (b) liming and fertilizing column hopes to celebrate the 34th

humus content commences to in- the hay crop at the proper time; ant College of agricultural learning crease; (4) the population of desir- (g) grazing pasture only within the upon the hill near Guelph and from able soil microbes increases rapid- limit of its carrying capacity; (h) which so many agricultural leaders

> need of some warm showers at the old, 1300 lbs. good in all harness; time of writing. Perhaps our three NEWS AND ITEMS OF INTERESt candidates for June 27th can do something about it - we can make no promises but it might have quite an effect on the rural vote.

BAPTIST CHURCH HIGHLIGHTS

The pastor read the lesson from Ezekial 11; 1-12 and the text was taken from Ezekial 1; 1. The heavens were opened and I saw visions. SHORTHORN COWS - Grey as a prophet. He was one of the cap- foot; red heifer, fresh in April, with If we heard a man say this today with calf at foot; red cow, fresh we would wonder what was wrong. Men of vision are the leaders in the world today. It is the young people due in July; roan cow, milking with a vision who really build a well, bred Feb. 23; roan heifer, character worth while. The people bred January 16; roan heifer, bred without a vision are the drifters. October 10.

Without a vision the people perish. There are people who do not pray, talked. ience. We would not go to them for Ontario. an opinion on religion any more than YOUNG 'CATTLE - Shorthorn we would go to a blind person for heifer, ready to breed; steer, rising an opinion on colour or to a deaf 2 years old; 3 steers and a heifer, person for an opinion on sound.

Men of the bible had visions. Ezekial was in prison only in body. He but it came just as he said.

As Ezekial prophesied to warn his people against disobedience to God so we must give forth the gospel of a vision of God will have a message cutter; De Laval cream separator; that will save.

a strange way to talk about God. The Committee in charge of the about God. Jacob had sinned against Shock electric fencer; turning on of the newly-installed home he had a dream. He saw the which will long . be remembered. from earth to heaven. He said; The Softball games between four crack Lord is in this place and I knew it dreadful is this place. In Malacht The finals in the tournament will God says, my name is dreadful Manager of the famous Interna- down. The unbeliever will suffer in

the attempt to overthrow God. . Other programme for the even- Malachi 4; 2, 3. But unto you that



The sod-turning ceremony for the McMaster Alumni Memorial Building took place on Saturday evening when members of the Alumni held their annual reunion at the University. Pictured above is the architect's sketch of the newbuilding, which will be a Centre of both Alumni and student activities. It is expected that construction will be completed in time for next year's reunion.

7 CLEARING

AUCTION SALE

- of -STOCK, IMPLEMENTS. HAY,, GRAIN, ETC. in the Township of Esquesing The undersigned has received instructions from

RAY MCENERY to sell by auction at his farm Lot 32, Con. 9, Esquesing Twp., situated on the Esquesing-Erin Town Line, 6 miles south of Erin

village, on TUESDAY, MAY 31st, 1949 Commening at 1 o'clock sharp the

following: HORSES & HARNESS - Brown in all harness; black mare, 6 years Chestnut mare 8 yrs. old, good in all harness; black mare, 14 years old, good in all harness; set of heavy team harness, breechings; set of team backband harness; collars; heavy set of horse blankets;

set of single driving harness, PIGS - 8 thrifty chunks, about 100 lbs.; 2 fat pigs, about 180 lbs. SHEEP - 12 Oxford breeding ewes, with 20 lambs at foot.

HAY & GRAIN - 15 tons of good mixed hay; 256 bus. of heavy mixed grain; 75 bus. of . Victand oats: 6 bags of Irish cobbler potatoes; I 150 bus, of good fall wheat.

of God. Ezekial was a priest as well cow, fresh in April, with calf at tives who were taken to Babylon, calf at foot; red cow, fresh in Mar. I with calf at foot; red heifer, due about time of sale; red cow, fresh in Feb., with calf at foot; roan cow,

The above cows are all hand who never had any religious exper- old, bred by Harold Griffin, Acton,

il year old; 2 fall calves; 2 veal calves, almost ready for market; 2

IMPLEMENTS-Frost and Wood was one of the freest souls in cap- binder. Oft. cut; Massey Harris tivity. A right mind can never be grain drill; International mower, 6 in prison. Ezekial told his people ft. cut; Massey Harris No. 7 drop that they would suffer for their sin. head hay londer; Buck rake; pow-They would not accept his warning ered with a Dodge motor, a good one; International dump rake; Massey Harris hay tedder: Tudhope -Anderson manure spreader as good as new; 13 tooth cultivator; medium farm wagon, as good as new: grace that men and women might wagon box with shelves; flat hay be saved from sin. Only people with rack; bench sleighs, with flat rack; rubber tired buggy; 3 Fleury walk-The evening subject was "The ling plows; disc harrow; 6 section Dreadfulness of God. This may seem harrows; fanning mill; potato digger; Stone boat; Stewart electric Most unbelievers dread to hear of Renfrew 2000 lb. scales; Shur-Grand Opening of the Halton Com- his brother and father. The first chains; hay fork; pulper; pulleys; munity Park at Lowville and the night on his trip to get away from scuffler! step ladder; all small articles; 50 fence posts, cedar; quan.

of lumber; 30 rods of wire fence. -No reserve as the farm is sold. Terms: Cash with clerk day

Robert McEnery, Clerk. WM. A. GIBSON, Auctioneer Phone Guelph 743W

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