

## Agriaultural Department.

## OUR DNEECT FRIENDS

At.a lato moeting of the Elmirn Farmers Club, Prof. Comatopit madn the following in-
toresting remarks upon inseots, as roportod in the $\#$ usbarmpars:
Meny pooplo forgot that somo inseots aro our fricends; and only a fow porsons appreciato Wo mecet to talk about noxions insenta; wo resd in agrict ltaral journnis accountis of ne 13 us inseecta ; Stato antomologiste aro empl: $y$ our sons in asticultural coll ngeses listen to 100 tures on noxious insects $i$ and cro warespare of it, we come to thinat that tho adjeativo is speak only of norious iusscts. As 44 recalt of plase for tho tho ranonsagrioultural journals plans which, if adopted, would dostroy man nore friends than foes.
Our insoct friceds aro numerous, and bonoItt us in many ways. Somo furmish ns with usuful produots, $2 s$ silk, horey, wax and coloring mathant nostengers, fording apoz decsying animal and regetable mattor, whilo e grat number foed upons and dostroy ather insocts which aro whas to oell your attention to-night.
Thas class of insocts mesy bo divided into two groupe ; onogroup, including thowo species that aro prodrcoons, and the other groxp predrosons inseoss are the ground-boetles and the lacij-brose. Tho sround-boctlos are the blook boetles writh tho long legs, very ocmumon ann run rery fast and insexts. Tho lady-bars are the littlo hemispherical boctles, gencrelly rod or ycllow with and feed on plant lice and the pges of insects. Of the paraeitio insects the mogt inportant
 bodiog Wasp like wingre end a long orgen, the oripostor, attachod to tho pooterior orki of tho
sblomea. Thero are many specics of thein probebly twothousand epociosuvingin $A$ moricos, They are parasitio on the young of other inasso oithar in or upon ths body of tho insoct gga hatch, the young grabs begin at once to food upor theis rictim. Therre is A ouriona fout in oungection with the mange is Which tions, carofully groidiug tho rital aryaras, so may ba, lires on with theso creaturces insido
 bno epran ita coosco, asad thon is lolled bj tho

 coone nithin the cocosm of thair ricem. Io bofore tho catorphliar kpins $A$ cococth Thoy thon crand out from tho tody of tho catcopiller and onch spiss about lits bouls s sooocn. Thooo ooocons aso attenahd to thn which it ras Thos ano naxilly wisto os jellow. Fooblo satorpillass masy pitcen bo humarod os those fittlo coosons stitasbied to thair bodior Aftor remsining in thaiciocriocras
for $x$ time in mono spocios 3 for ders, in othor for $x$ timo in zomo specics s for dsiss, in other
 mith wios ca
Thoeo ciestaras ahow an wanderfol instinot in dipooratiog a prepor placo in thiah to las thoot ogrin They win not lay tham in man
 uposiot rill hi many Ozea in a singio insect neat food. Thow cruetuin scom wharo tho mast food Thow crekuins soman ha haro tho



 Crosoly ailliod to tho Ichacemos tico aro tho Whildstion Thit is a inge faraily of invocta, thowo baing in this cotuthy probably cmo
xigo, and of bright motalluo oclors. Habits
similar to thoso of the Iahneuman fies, thoy boing lika them parnsitio on tho yoreng of othe
 Ychnoumon Alos in this partioular, the Chalois
fics do not spin a oocoon, i. e. thair pupeo aro nakod.
a bpocios of Ohalcis flim proy upon tho cabbago worn. In a cullootivn of sixty
chrysuides of this innout, fifty - nevon were $\ln$ fosted by Chalcis, Miles, only threo produaing buttarflico. Ono oan osaily 8 eo tho immonso
harm that a person wonid do that collooted and costroyod indinariminataly a largo number or
The speaker then drow tho following comGrast
Great care is nocosasary in the destructioh of ficisl From this it follo theo hat aro baro ficialy a spocios carofally before waging war gaingst it.
Don't dostroy cato.pllers that have scosil whito or yellow coox, as attached to them.
 caro to dio beforo arricing ai manerity- And सhioh, if undisturbed masy dostroy many caterpillars.
Collect chrysalides of noxious inserts and put tham in a rix covared with wire ganzo; netting is not at hand, a bor cas bo prepasred $a$ fow minatoa by driving cancess aronnd its gro, zad pesaing corde bsok zan forth, thus
meling a net. The nettins should be coanso medang a not tho netation should be coarso Chsiais fy to esoapo, but fine enough to rom tain tho butterfies or moth
nos intocto may ohrystilices of many norozs ineocto may to foum mudor boaras and of infortad plants. Ho recommonded placing bourd botweon the rewnin the cabbage patch; tho rmper zide of theoo Boartls to umioryo their treasformations. Tho ohrysulides cari thon be
 nendod aboro
Prof Lasonby sayuthomost satisfactory way of fight insocts is to have good strons, hoalthy plants and mato them grow rapidly. Poor
stoak gots lousy, poor or woak plants bocome stook gots lousy, poor
infested with remion.
Enruiry was yade of Praf. Comstcok in $50-$ gurd to tha enamies of tho potato bootlo. Ex clained that the saragre wero in soms degrecs chocked by parnsitio insento Fhiah might eron-
tually deatroy thom, but for the proeent $\mathrm{Pa}_{\text {ar }}$. gream is the enfost troatment for the potato bag.

## STABLE KANAGEMENT.

8tables nhould bo brilt on high ground, so that tho surfaco watos can bo thioroughly drainod trom tho building. Wator satarsted produces a change in atroospheres ak, snd ocme rortait into $a$ miasmes that is perniciona to tho boalth of all animstis Horses kill nover eacy grod boalth confund in sismp, Elthy
stablo. It is tho sourco of bindron, flendens; esad other fatal Hisordors that caul the drath of many ralusble horese. Thase it zromet satal delpsion in stabla oconomy, latod. Tho evimals confined in tisht, ill ventinted examls oconfined in tishat, ill xir ovas end oros thich ispurnicione to hoalta Thoy will lome manditican in spito of good

 air shal mespinasa ailetod gas that is man Koi
 meatio gravity and isotinto the lizhtor at bara by shafto or tubu for that porpoen. Th

 tho bailaing to lot in freen air, and hoftos can bo plsocd at tho hoad of oech horso to cmanet


 cabutantial foodires to bo fod ofter co good thet of tho barima reso. Tho equive aporice



 ous gravie which entor In throwsh tho thoot Co zutiors ihy crhoustar wiosuents of sho boit.

most of bono and musalo. Hay forms the bulk of tho food for domestioatod animalo. It fot, and fibrino, with some of conosuracnts ot of muscle. Work horecs are fed all the hay thoy will cat $t_{2}$ but grans is parooled out no cording to tho work thoy porform. Water is tho primitive agent of condition. It is indis-
ponsablo to the han'th of theso dumestio ervants. Ono-half pailful as often as they doaro it is tho bost moasuro for anything like est work. Whan oool thoy can bo sufferod to drink what thair appostito cravos. Salt is oason-
tinl to tho hoalth of all animals. It ahould bo tina to tho hoalth of all aninuals. It ahould be
farnishod to tho equino and borinospecies once turnishod to tho equino and borinospeaies onco a woek. The horso ahould bo fed his grain stomenh. Whes over-losdod it oberructa bit rind and intorfores with fast travolling. has been found in stivging that the horse will do better to bo driven nine or tex miles an
hour for five hours and then fed anc reetod, hour for five hours and then fed anc reetod, than ho will to be drivan Avomilos an hour ior
tem hours on an empty stomsch. Eren il driven tix hours on an empty stomsch. Srenir ariven
sixty miles in sir hours ho will bo in botter sisty miles in sir hours he will bo in bottor
condition and do his work inore cherefuly the nort day then if iriven the ssme distanco all dey on mn emply mbomach and withont ono hour befars ho is wanted for une. Whan the stomsioh is aver-1oaded mith tooa it ob-
arcucts his wind and interferes with hia \#orl. -Itichigan Parmet

## NEGLLCTT OF PASTUBES.

This is tho oolly country in the world, the Ohicago Times esye, whero any pretonsions ara given to impor zarming that bo detumion 22 now to improring pastureo. oot apart for tho pasture. After tho best por tions aro plantea and comn to annual crops, long as thioy will Fay the soot of outivation and of curear fos hay, till tho intmor is zuhamo an scree, whom ho comeludes that he sota from tho ficld into a pastare. IIe soldom seoms to think that his pasturr is his gracit courco of wealth, that his cows get from it the matariais Whioh furnigh milk; that tho grass it produses his to sell; and that all his young cattlo ob tain their living from tho pestare aboat sover months in every star. Bo socms to forge to obton his tearon work all sumscor chieny ing tho winter, while his pesturea furnish sppply for a landor period, without any labor Land
some poon. Weeds and bushos aro permittod to spring up snd spread zit will ths the grase illowed to remasio barreas. A large proportion if tao stock kopt in uin Destaria aro 5 zriled at night, sad mose of thoir droppons amo loft
 up and scattcrod, as thes shorld be. Tho ranh grawsos which sprizf np, bat which ary rot ectern by the stock, aro gllowadi to go to lesgo portion of tho gromed No Frestorn
 commeruial fartilisess to hio pastraco. If a postian of it harpars to beomen cialh by the to rint a coll remeinios on It daring p snd pat it in colltratod oropsat sind vero out another piove of land that in in too ondition to procavs corr, prain, onehay
ion and monespo in proinuotivencee yoar by
jok. Thuy nro gromernily in no high $\approx$ stato of furtility chat $s$ good arop of hay mary bo $1 s$ dono oconcionsily. Thoy ars menurrd lixe criso finioh produop namal crope tho fercarly in tto epping. Thoy ero oadinerily mown at loest oaco orory coumon, 00 as to koon
 to wrods af, shart grevzze aping up. Whilo hijp to oarch tho osil. Tho torf, ofoc well od tablishod, may not bo tumodinning a continy zado oppocinaly for the prupowo to is to - 2 y


 adaptod to them. In. this comitry ittion or no attonjon is givin to thic rextror, brat tho thop rilh In soms locarition whito olorat.

 orar a nankdorablosmoment of procad Erier


## DO.MESTIC

COLD MEAT DISHES

Ono oxoullont vay of propanag cold cozzors cot sor tho tablo is to ahop soreral alood guvderately fine, then pool and shoo four or Zve opions, boil them natill temien-po comerso puaking the wator $2 n$ the uspal may-the sdd a pioco of butter, and a littlo popper and Another way up and a
boof, ley them in the spider ellicas of the thom a grary mado of ono-half tas cup of water, ono-iourth teaspoci 1 of mustard. on tablosopoom of caterp, ona 1 saspoon of raogas,
and one opriaklo of asyeuno peppar. Let it come to $\&$ boll and servo.
Cold rosest bonf. Tuke thin alices of tho raro parts, hay thom in a tin pail, proparo a sauo four of catsup, ong-fourth toaspoon of pepper four of catsup, ong-fourth toaspoon of pe-ppor
skuice, one tablespoon of batter, two alovat not two toaspoons of olvery--0no-hulf cup boiling water, salt to tasto. Puar thes uver th mant, cover Hightly, set in a kettlo of builist
About the hest war to servo tho purts that are well done is of slice it nerove tho prats that carsfolly and va $\frac{\square}{\text { she }}$ thin, and noso it for toa with broad and butter: bat you can mako it palat broad and butter; bat you cza mako it palatquantity of breed and crumbs, puta laper o tos most in the bottom of a pudding-dish, add If Per of tha breas or buttor, tben cover with Irst in salted till anad, having wot thom dinh 88 full 38 you wish, having weat it tho op. Prepare a covering for this made of oze beatom egre and a little salt sprumbs, ono beatan egr, and a little salt. Spread it ore: Bake haif an hour. Catsap, or some soar Lake half on hour. Catsap,
gravy should bo caton with thin.
Iramb sandwichos properod in the following ruy ure very thom take two rery thin slicce of lamb with
carrant jolly spread botyrean thom, lay those currana jolly spre
Cat cold matton in slices. lay woh pieco cparataly on a dish, and spread (being carefal eprinkles a litituo ssit orer it, coror, and lot it tand in the oren for fift $n$ minutce, or until hoatoit hroush ; thos erin
Coldmatas are oftem spoilrd because they aro noticarrod vell. In the country ono bers culms arciy still, meato cut across the grain. It is uredose to toncii coid meat, hoping to mato it
 the grain.-Ewon's Herald

Praserping Meroninas - Solect tho iargust IIPset, and most perfext pincapulios Lhat can bo grato them on a large dish, ustug a waso grates, and omitting tho hand curo whach given tho grater oit tho can, o. cural weight of tho boot duatlo refioca sugas (in lurnpe; pat than into a proserriay hainto. and min tham woll togothor, eet vvera modiarostriniog it after ntimmiag. Aftor tho 6 orun

 to m boill But if it is not ander it has como brignt in that timo oontanao tho bolluy antul it is This is a daliciona preparation of pmo
 ono dozan largo stoct-patatoen ham then rovetils poolod cerolally, thea woll rashbed tye parlonty mancosh. Tho most 1 mportana ohickon, proparod sa if for a pound of cold tanoungfui of oboppod oclory is a vars. good
 gother, and boreoned to testo with salt mal payphar. A lazgi tablo-sporafal of bottcer mizai

 mindo zmproved lao dish very inmoh. Of coateo only tho loemb bit of nalt ia mocibat.






 bostom Fbith of oxo ofg qad to this monplu



