recognized by the people who saw them; and Paul's teachings on the resur-rection confirm this view. But it is also indicated that there is a difference. who saw also indicated that there is a difference. In this life, to some extent, a morally deformed being can, hide the deformity under pleasant physical features. Re-spectability can be affected where none exists. This is impossible on the other spectability can be affected where none exists. This is impossible on the other side. Death certainly tears the mask from the countenances of men and wo-men and they appear in their true na-ture, reflecting that which is within. And therefore the ancient Prophet, speaking of the resurrection, truly observes: "Many of them that sleep in the dust of the earth shall awake, some to everlasting life, and some to shame and everlasting contempt." How can it be otherwise when the outward ap-pearance is (as is imperfectly the case in this life) a true counterpart of the inward nature?

FROM THE FRUIT TREE INSPECTOR.

FROM THE FRUIT TREE INSPECTOR. After a trip through the middle and southern part of the county, it is appar-ent to me that the borers in peach, plum and cherry trees will do consider-ble damage where they are not attended to, especially so i nupper Mill Creek, Cottonwood, Granite and Draper dis-tricts. The black or cherry aphis is year, especially southeast of Union and in, the Big Cottonwood district. The pear and cherry slug is also now com-ing along strongly, and so is the plum aphis in many localities, also the hop ylne louse. Now we have four main remedies which, if properly applied, will stay or mitigate nearly all these troubles. First, paris green and lime for all larvae and worms; second, boardean mixture for all blight and mil-dew; third, kerosine emulsion for all lice and sapsuckers; fourth, tobacco or nicotine water for lice and aphis on such delicate plants that won't stand the kerosine emulsion strong enough to kill the insects.

such delicate plants that won't stand the kerosine emulsion strong enough to kill the insects. Now, if people will only try to un-derstand and apply the proper reme-dies in the right time, half the battle is over; but as long as a person will in-sist on applying paris green or bordeau mixture to the aphis or red spider, and turn around and swear that spraying is no good because he had tried it and knows it is no good (khough he made it so strong that he took all the leaves of his trees), or on the other hand a man sprays with kerosine emulsion for the leave blight and of course failed, and so the misuse and wrong applicaton of the mixtures is continued and a failure results, and swearing and hard feeling is the result. Now, would any man expect a crop of wool off a lot of coyotes, supposing he did not know the difference between sheep and coyotes and he by mistake raised a crop of coyotes insead of sheep. Or would any man put his hat on his feet for shoes and not expect soon to be barefooted and also without a hat. So is the misuse and misapplication of spraying measures, to say nothing of the man that locks the stable door when

spraying measures, to say nothing of the man that locks the stable door when the steed is gone, or starts to spray when his crop is totally destroyed. Repectfully yours. JOHN P. SORENSEN, County Fruit Tree Inspector.

The case of Joel J. Hurt, the Wyom-The case of Joel J. Hurt, the Wyom-ing cattle man, who demands the cus-tody of his three little girls, now held by Mrs. Alfonso Schaefer, formerly Mrs. Hurt, came up in Judge Ogden's court, Los Angeles, Cal., Friday. Both flurt and Schaefer were present and each carried a revolver. They were disarmed by Sheriff White. The mother was granted until next Wednesday to procure evidence from the court records of Wyoming and Colorado to offset. Hurt's charges against her.

COMMENTS ON THE AGRICULTURE OF THE STATE.

Note:-This article was written during the fall of 1896, as the result of a trip over the State in connection with the Farmers' Institute work during the the Farmers' Institute work during the summer of 1896. It was reserved for the Institute Annual but other matter crowded it out. It is believed, how-ever, that it contains matter that would be of value to our agriculturists, and is as applicable today as a year and a half ago when written. F. B. LINFIELD, Agricultural College, Logan.

Observations made in various parts of the State point to the methods pur-sued by some or our farmers. My ob-ject in writing is to show a few dangers that threaten and how the same may be avoided. After having visited the major portion of the best farming the major portion of the best farming districts of the State and observed things from the standpoint of an ag-ricultural student, I wish to present a few thoughts along the line of those observations. In presenting one phase of these thoughts it seems to be wise or these thoughts it seems to be wise to go back somewhat to the origin of things, and give a reason for the points that will be presented and to follow out the same in logical order. No person who has traveled through

and over the mountain ridges of the and over the mountain ridges of the State but has, or may have observed the gradual disintegration of the rocks which ultimately form the soll of the valleys. The weathering effects of rain and snow, of heat and cold, have been gradually, and for ages been pulver-izing the surface of the mountains, and the floods of spring and summer have carried down the decomposed rocks and spread them over the valley. Un-doubtedly the major portion of this filling between the mountains has been sedimentary, yet no one who witnessed the effects of the cloud bursts of re-cent years could fail to recognize them as important agencies in the work, especially in forming the surface soil in

many places. For the most part the mountains of For the most part the mountains of the State are devoid of timber and vegetable growth owing to the slight rain fall. As a rule it is only in small and secluded gulches, where the drifted snows of winter furnish a fountain of life for summer growth, or beside the mountain-fed streams which wind their way down the canyons, do we find anything approaching the timbered areas of humid regions, and then it is naught but an approach. It is thus evident that our soils contain a mixture of mineral with a minimum of vegetaof mineral with a minimum of vegeta-ble matter. How different this from the Atlantic states, where once stood "the forest primeval," with the ground covered with vegetable mould, or again on the unst place of the neutral work on the vast plains of the central west where the growing grass furnish for ages, but the bison, sustenence, and gave a deep, rich, black soll full of

organic matter. The disintregation of the rocks The disintregation of the rocks do not cease when the crumbling particles are carried down into the valley. The forces of nature are yet at work chang-ing its physical and chemical proper-ties. The insoluable forms break up one upon another forming new com-pounds; nature's great laboratory is ever at work and change, not rest is the natural order of things. Yes and what mighty forces she has at work; man is at best but a poor and weak imitafor and follower. In those regions which have an abun-dant rainfall the desolved soil ingre-dients are quickly carried off, perco-lating down through the soil and fin-ally finding its way to the ocean. In arid regions where the rain fall is not sufficient to dissolve and carry of the do

salts formed, they accumulate in the sub-soil. This accumulation of salt is not uncommon throughout the state, but I noticed it most markedly in the southern counties. With a light firi-gation which is not sufficient to wash the soil, the rapid evaporation of water from the surface which the large amount of sunshine in our climate in-duces, these salts tend to come to the surface, accumulate there and kill veg-etation. Evidences of this trouble were apparent in some of the older settled districts in the southern part of the State. Full details and explanations of this difficulty are given in the Cal-ifornia station report for 1894-5 and in the year book of the department of agriculture, Washington, D. C., for the year 1895. The latter may be obtained by applying to either of the senators, or to the representative from Utah at Con-gress. salts formed, they accumulate in the

gress. The various salt lakes, ponds and marches in the valleys of the arid region which for ages have flowed into these places carrying with them the dissolved salts of the rocks and soil. The only places carrying with them the dissolved saits of the rocks and soil. The only outlet has been by upporation which has carled off the water, but left the salts which have accumulated in the remaining water. In some places con-centration of the salts have continued until part of them have heen percipi-tated. This is seen every year in many marshy places where the evaporation of water leaves a white coat of alkall or salt on the surface.

marsay places where the coat of alkali of water leaves a white coat of alkali or salt on the surface. Plants get their sustemance mainly from three sources—their mineral mat-ter from the soil—the disintegraded rock—their nitrogenous matter (which in animal produces lean meat, the curd of milk and the white of egg; some-times nopularly called fiesh formers) from the soil, mainly from rotting vegetation, and the woody fiber, aroteesof rtimes starch, sugar fat, etc., from the air. The latter is everywhere abundant: four soils contain an abundance and im some places a superabundance of min-eral matter, and the only likely de-ficiency is in the vegetable or nirogen-ous matter.

ous matter.

The method of cropping followed by most of the farmers of the State is ex-elusive grain growing, mainly of the cereal kinds, and frequently the same kind of grain crop has been grown for years on the same land. When land has been seeded to lucern it has been allowed to stand as long as a fair cut-ting could be obtained. The effect of this has been to materially impair the fertility of the soll. Many old settlers with whom I conversed bore testimony to the fact that as large crops could not be grown now as were grown, ten, fifteen, or twenty years ago. Some ingredient which the plant require from the soil to attain a maximum of growth Ingredient which the plant require from the soil to attain a maximum of growth has been too largely drawn upon by repeated cropping, and with difficulty in getting the proper food supply comes a decreased growth of the crop.

In getting the proper food supply comes a decreased growth of the crop. Another result that has followed from this system, or rather lack of system in farming, has been an in-crease in the weed crop. Weeds, like the grain crop raised upon the farm, have particular habits of growth and with certain crops certain weeds at-tain a maximum of development. Again a lack of thorough cultivation is an opening for other weeds to develop and take possession of the soil. The native weeds of Utah, that are troublesome, are few in number. I heard of but five or six and these ap-pared to be but locally troublesome. The imported weeds, however, make a very long list, and many of them are found quite abundant from Lewiston to Kanab. I'made a note of the weeds which I observed in the various places, but having no "key" with me some four to six kinds which I recognized as imported weeds I could not name.