FARMERS' INSTITUTE.

HE FARMERS' INSTITUTE held Friday and Saturday of last week in Grange Arcadia was excellent in every respect. The world, and has more hours to himself immediately under the sod, and to weights, mixed in cold water in sumrain on Friday deterred some from turning out, but the after- than any other class of men. noon audience was composed almost exclusively of the best farmers and their wives in Penn's and Brush Valleys. It was an audience such as is seldom seen even on institute occasions. Saturday brought brisk winds keep the parlor closed against him; as -a cold wave, with frozen roads. The attendance was quite large, and, soon as he is old enough, picture the deeper and will not be disturbed by corn before the hens, to correct the of a character highly complimentary to institute work.

The speakers furnished by the Agricultural Department of the State were of a high order. Prof. Samuel B. Heiges is a man especially life is the most miserable of lives; don't ling in nitrogen. Barn yard manure fitted for institute work. He has had vast experience in agriculture, not tell him that it is the best place in the will supply this, and should be aponly in theory, but in practice as well. Every sentence he spoke contained a thought worth remembering by his hearers. In short, Prof. Heiges is an ideal institute worker.

Messrs. R. L. Beardslee and J. S. Burns had good talks on the subjects ple in the country. This literature the roots. Fertilizers should be apassigned them.

A. L. Martin, deputy secretary of agriculture and director of institutes, added much to the interest of the institute by his presence fellow men. throughout all the sessions. Mr. Martin, by appointment of Governor Pattison in 1893, became a member of Farmers' National Congress, farm." The farmers of today hold the sowing a "robber" crop of oats which and by the appointment of the succeeding governors of the state has continuously held the position. He is a man of pleasant bearing and address, and when he took the floor he was given the closest attention.

Dr. William Frear, of State College, chemist of the Pennsylvania De. and the like. One of the greatest ed to develop a crop of apples. Usualpartment of Agriculture, is exceptionally well callulated for an institute speaker. Dr. Frear spoke on a subject that is resering more and more attention by the farmers in this locality. The remarks by Dr. open barn yards, by leaching, especial- muriate of potash and 800 lbs. South Frear will, if they are heeded, change the methods of many who are ex- ly where the barn is not properly spout. Carolina rock is an excellent fertilizer. travagantly using lime.

The local talent that enlisted in the work did much to make the institute of practical value. The papers read by this class were pointed and full of valuable information, and adduced evidence that there are farm- by fencing. On a hundred acre farm, the needs of the plant. The nitrogen ers in Centre county who are abundantly able to go before their fellow farmers and point out better methods of farming than is generally followed; show where economy may be profitably practiced; and that the fencing, which at fifty cents per rod a very unequal supply of four substanfarmer who applies his brains properly and has muscle to back it up is will cost \$388.50, besides the land occu- ces: Phosphoric acid, potash, nitrogen, not the most despised man nor engaged in the meanest pursuit of man. pied. This item makes a heavy drain lime. Lime trails way behind in neceskind.

J. J. Arney, the permanent chairman of the institute, performed his part of the work in an admirable manner. Much of the success of all public meetings depends upon the presiding officer, and in this case the item. Lack of judgment in forming a contain anything besides lime? No. chair was equal to all emergencies.

James A. Keller, the chairman of the program committee, and the gentleman who welcomed the people to Centre Hall and Grange Arcadia, performed his work in an excellent way. Mr. Keller's welcome farm implements. Too close grazing is about as much phosphoric acid in a was from the heart and expressed the true spirit of the people of Centre Hall.

R. L. Beardslee:-"What to do with | not see a more desirable apple bed than a poor farm." The speaker based his lies between Tyrone and Nittany remarks upon actual experience in Mountain. Referring to peaches, the Bradford county on this subject., and speaker said, there is a belt someafter highly complimenting this sec- where, which must be discovered by tion of country on account of its splenobservation, on mountain sides where Of course, if he can afford it. Beards- lime in a sandy soil proves detrimentdidly organized Grange, proceeded: peaches would not be injured from lee:-In the eastern part of the state al. The first fault with most farmers is frost, provided mercury did not fall be-farmers erect private telephone lines Chemical use: Lime sets loose potthat they raise too much wheat, at the low eleven degrees below zero. A and are thus connected with the outexpense of the fertility of the soil. An western slope would produce more side world. antidote was deep fall plowing where highly colored fruit. the soil was suitable and haul the manure from the barn yard as soon as possible throughout the entire year. The key to the situation for improving the poor farm is to drop wheat as the money crop; keep cows and plant fod- resorted to. der corn.

D. D. Royer:-"Success on the farm." The speaker advocated the idea that the young men should remain on the farm. Farming is a science and must be conducted on a business principle. The mistress of the farm home has much to do with success on the farm. Good seed is necessary to success on the farm. Plow up to the fences; do the farm work systematically; take good care of implements; the farmer stock should be discarded and the herd in this way. Cattle usually are turned have time to ferment. graded up. Good farm literature out early in the morning and remain tributed to mismanagement. Too pense could be save in building fences conduct a farm successfully one must for. Feed could be preserved until the farming classes. have brains, capital and muscle.

Prof. Heiges:-"Diversified farmworm and the Hessian fly should not incidents.

culture; Prof. Helges thought be did providence, to cause the seed to sprout farm. Other crops should be omitted; Proper feeding: Corn is not an egg a log rolling and striking him.

the twig and burned.

time when it is most needed.

J. S. Burns:-"The farmer and his ing." Commenting upon previous dis- wife," was the topic which Mr. Burns cussions, the speaker said the joint discussed by relating a series of comic care for his own stock. The only fence first question is to know what is want-

be confounded, and added that thor- The music furnished by Prof. E. W. ough cultivation and a rich soil, aided Crawford and a number of singers from sary to call upon the auditors as view-feeding of the calf that is to become the wheat plant to recover from at- various sections was excellent. The ers. The only way to escape building the future dairy cow. The advantages tacks of its enemies. Tillage is fertilisolos by Ezra Tressler, of Linden Hall, fences at all, he said, was to throw a of dairying with reference to improve-

products as nearly as possible into the bright young men on the farm." reason why (barring two conditions) butter, were also developed. finished product. Do not sell the corn Much of the drudge of farm life is caus- an orchard should not bear every year. Prof. Heiges:-"Poultry for profit." fodder, and thereby rob your farm; turn ed by the lack of knowledge of the The conditions are these: If the frost Great as the poultry industry is, we it into milk and the milk into butter. farm and stock. There is no occupa- does not kill the pistils and the wet have never produced enough eggs. Eggs' When you sell a ton of milk you sell tion which needs brighter young men weather does not drown the pollen. are used largely in photographic ope-\$2.00 worth of fertility from your soil; than the farm, and there is no place Since 1882, he said, but two crops of aprations, and in other mechanical ways. when you sell a ton of butter but thir- that affords better opportunities to the ples were lost in his orchards. The For food alone, the imports from Italy ty-six cents are taken from the soil's average industrious young man. There "off year" of the orchard is caused by are large. Roosts should be placed on The speaker favored a more general servant with most fathers on the farm; fertility to produce a crop; second, over tub should be provided, by pulverizing growing of fruit. Every farmer should be co-partnership. Give bearing. The potash necessary to soil from a lime hill. When cholera study the conditions that surround the young man a share in the stock; growing fruit has largely been exhaust- attacks the fowls, pour a half cup of him. If away from railroads, perisha or a piece of ground, and leave him ed by the previous growth of farm carbolic acid on this dust, and it will ble fruit should not be selected, but make out of it what he can. Farming crops. The apple tree sets fruit on spurs work wonders. The hens should also those that can be marketed at any is no mean work; it is ennobling. All on wood two or more years old. have a scratch pen, well bedded with time. Apples, for instance, can be occupations and professions require These spurs may be clipped off with leaves, chaft, straw or cut hay. Make kep and sold when the market is best- work, activity. The man who will not pruning shears to thin the fruit. ring all his travels as a pomologist work will not be happy. What can The general rule of farmers is to farm near as possible to those of the summer he National Department of Agri- be more pleasing than, by the aid of the orchard like other portions of the months.

and develop into the stalk and grain.

give them the poorest of everything; world to raise a boy or girl.

Department has issued a catalogue giv-

ed. Another way manure is wasted is by permitting large quantities to fall fields. Next comes the waste of land The food applied must be balanced to one side on pulic road, and divided in- supply in the soil in many cases is relly located. Waste of feed is another soils are lacking in lime. Does lime purpose. Young stock must be fed for ash. Three hundred analyses of lime the elements to help wear out your phoric acid. The largest per cent. was the soil of humus. With all these, of acid phosphate. and many more wastes not mention- Lime has two uses-mechanical and

SATURDAY, A. M.

wealth and feeds all mankind.

Beardslee:-Fodder corn, silo and si- available condition. Diseases:-Fungus diseases are more lage. The corn crop, if properly storcommon during the wet season. The ed, enables the dairyman to have as two ounces of soil, mix with rain waspores must be combatted. In order to near as possible the same conditions ter, dry it, press, open in V shape. raise the best fruit, spraying must be during the winter months as prevail Take litmus paper, moisten with rain Scab:-The scabby apple is caused by must be abandoned, because it requires and press soil about it. If the paper a spore. This spore comes from the too much work to raise corn, husk it is colored red, the soil is acid, and will cedar tree; will leave a fungus, which and put it on the market. Plow deep, respond to lime. (The test for acid jects presented are cabbage-butterfly, sel of boiling water was turned over is carried to the apple leaf and from manure as fast as you can, plant about must be conducted so that the hands there to the fruit. Removal of tent twelve quarts of corn per acre, eight to do not come in contact with the soil or caterpillars: Along during September ten inches apart in the row, in rows litmus paper.) The quantity of lime and October the female caterpillar will forty inches apart. To plant closer is necessary varies with localities, ordilay her eggs, 200 to 300, and cover them detrimental. The corn plant needs narily twenty-five bushels will answer. with an excretion resembling varnish. light to enable it to store up sugar. If Frank Bowersox, of Rock Springs, This should be removed by cutting off you do not have a silo, cut your corn gave his experience with lime. With B. F. Homan: -"Soiling." Fifty to and after a few days' wilting, put in his soil was just tacking in that particshould know when to buy and when one hundred per cent. more cows could large shocks and tie at top. When ular element. Mr. Bowersox set a an appreciation of those which are beneto sell; he should have something to be kept on the farm if soiling were seasoned, haul it to the barn and stand good example to institute speakers. sell every day. The farmer should practiced, besides the flies and hot sun erect; when October comes cut as need. He began on the subject and was on products are annually destroyed by inhave a good knowledge of stock; scrub would be avoided by the cattle if fed ed, a few days in advance, so it will the subject when he quit talking, in-

should find its way into every farm away from water for ten or twelve of organization." She paid a high mation in the middle. home. Failures can not always be at. hours. By soiling much labor and ex. tribute to the organization of the Pa- Question: Prof. Heiges: Is there trons of Husbandry, telling of the mar- perceptible waste in lime if it is allowmany begin with too little capital. To and the voidings of cattle better cared velous growth and great benefit to the ed to remain in the stack and slake

The law on fences was quoted, and it changed. was made plain that every one must J. A. Sankey:-Dairy Cattle, The required by law was where improved ed, and then go to work and breed it properties join. He also related the and stick to it. He described an ideal

the soil cultivated. The orchard that producer. Core has but six and two-Who is more his own master than the is sodded, is in great danger if the soil thirds per cent. digestible proteine. farmer? He is in touch with the is plowed. The little feeding roots are Wheat bran and chopped corn, equal plow the soil will destroy these roots, mer and hot water in winter, makes Rev. A. A. Black: -The way to drive which will prove detrimental to the an excellent feed. Feed good wheat at the young men from the farm is to trees. Use a spike tooth harrow, and noon; corn at night; corn furnishes scarify thoroughly. In regularly cul- heat. In very cold weather warm the officers. tivated orchards, the feeding roots are corn. Keep several ears of burned dark side of farm life to him; make shallow cultivation. If your apple acidity of the stomach; feed vegetables, him believe that he has more taxes to trees are not growing three or four inch-sugar beets, ensilage, cabbage, etc. pay than all other classes; that farm ea of wood every year, the soil is wantplied outside the radius indicated by Secretary Martin:-The Agricultural the branches of the tree, because that is where the water falls and this will ing suitable literature for young peo. carry the fertility into the soil and to will do much to elevate these young plied in the fall. If your apple trees people, and aid in making them real- have an excess of growth of wood, it ize their high standing among their will be brittle and brash. This condition prevails where there is an excess Henry Duck, Esq.:-"Leaks on the of nitrogen. This may be checked by throttle to the engine which drives the grows during the six weeks in which world. He is free and independent, time the apple tree makes its entire de-Waste is loss without equivalent gain, velopment, outside the fruit. Potash, and maybe property, time, labor, words | phosphoric acid and lime are also need. wastes on the farm is manure. It is ly there is a sufficient quantity of lime wasted in many ways; between the in the soil. The apple seed is 50 per barn yard and watering place; in large cent. lime. The proportion of 400 lbs.

SATURDAY AFTERNOON. Dr. Frear:-"Lime and its uses." off the wagons when hauling it to the The soil is made up of many materials. to six fields, with a lane leading atively too large for the perfect develthrough same, will require 777 rods of opment of a plant. The soil contains thing scrupulously clean; deal fairly on the resources of the farm. Use a sity. The common expression is that portable fence. Next comes waste of if we have plenty of lime we need patron injures not only himself but their church at this place. time. Buildings should be convenient nothing else. The fact is, very few good balanced ration for a particular It contains no phosphoric acid, no potgrowtn; cows for milk. Never allow show but a slight per cent. of phos-

ed, the farmer is the greatest producer chemical. Mechanical: It puts the soil into better condition; changes the texture. Lime makes the soil warm-Question:-"Should a farmer have a er, ioosens it up, so that roots will be do for it.

used on sod brings it into quicker

in June. The old way of farming corn water, insert it into the soil opening,

when glazing, throw it on bunches him it worked wonders, and no doubt stead of having an elaborate introduc- alone costs \$3,000,000. The leaflets will Quincy, Michigan: Inclosed find P. Mrs. Frank Brown:-"The benefits tory, a story for a fluish, and no infor- awaken an interest in children; urge O. order of one dollar for Reporter.

from rain and exposure? Certainly; a were the following: W. M. Grove, Esq.:-Line fences, great loss; the chemical condition is

ty, he said, and that point should con- brought the hands of the audience to- strip into common along the line fence. ment of the soil, owing to the fact that The farmer should manufacture his A. N. Corman:-"How to keep the ductive apple orchards." There is no farm crops were manufactured into ges, Prof. Heiges:-"Treatment of unpro- so little fertility was sold, when the Musser, Wm. Goodhart, David Bart- ed a car of ten cords on seven loads, as

is too much of the spirit of master and the soil not having sufficient available a level, and not on an incline. A bath the hen's condition in the winter as

SATURDAY EVENING.

Prof. C. R. Neff:-Care of timber lands. One of the great problems of Europe is the conservation of timber. One of the conditions under which land was secured from Wm. Penn was that one-fifth should not be cleared of its timber. The ruthless, wasteful cut- turned from an extended visit to Philting of timber has stirred the govern- adelphia. ment to take some measures to care S. B. Shaffer, of Madisonburg, for the forests in this country. The re- moved into the Old Fort Hotel today, quired board feet of timber in the Thursday. U. S. is forty billions per year. The object is not to prevent the cutting of timber, but the present waste- worth a dollar. ful cutting. Prof. Neff had an excellent paper on forestry, but time did not permit him to finish his subject.

Misses Grace Boob, Anna Bartholomew and Florence Rhone recited in an excellent manner. They were lustily applauded, and brought forth many complimentary remarks on the part of Rev. Warden is holding union meetthe audience.

D. R. Wilson:-"Dairying." Seveneighths of the farmers of Centre county are dairymen. Poor butter will not sell at a profit; you must make a firstclass article. The creameryman must be correct in his weights; keep everywith his customers. To make good butter, good milk must be used. A single can of poor milk will injure the pastor of the United Evangelical many others. Both quality and quantity of milk are necessary for a large creamery check. Patrons should properly care for their milk before bringing it to the creamery.

The creamery has done much for Centre county farmers. It raised the all around standard of butter; increased another great waste; close grazing robs ton of lime as there is in a single pound the prosperity of the farmer; it has condemning as traitors those Demounder which the farmer's wives were Quay to the U. S. Senate. staggering. It is safe to say that the does for you depends upon what you of Philipsburg, since he voted for

> time has come when nature study de- ing the campaign. mands the attention of every farmer, if he wishes to make a success of his lege under Prof. G. C. Watson and as- ported some time ago. squash bug, tomato worm. There is feet very badly. no problem so difficult for the agriculturalist to solve as the economic relation of insects. It is well therefore for children to become acquainted with the life history of insects so that they may have an intelligent knowledge of ficial. \$400,000,000 worth of agricultural correctly.

College township-Hiram Thomp- necessary weekly reading. son, W. E. Tate, Wm. Everhart, Jas. Everhart.

stetter, Aaron Ulrich.

Miles-Joseph Meyer.

Ulrich. Spring-Perry Gentzel, Richard mill.

Ferguson-Harrison Bloom.

Linden Hall.

Lloyd Brown and family spent Sunday with friends at Centre Hall. Mrs. Loneberger, of the Wayside Inn, is housed up with grip. Mrs. Wm. Stover, of Boalsburg, vis-

ited friends at this place this week. Will Felding left for Philadelphia this week, where he has been employed for some time. Will is industrious, and deserves success.

TOWN AND COUNTY NEWS,

FROM ALL PARTS.

See Grant Hoover before you insure. It is important to select good local

Claud Stahl, son of James Stahl, is on the sick list.

Ex-Governor James A. Mount, of Indiana, is dead.

It is 3795 feet from the railroad station to the postoffice.

Hale Ross, the successful merchant, of Linden Hall, was seen in town last

Mrs. F. O. Bairfoot last week re-

Go see the glass blowers above Mur.

ray's drug store. Only ten cents. It's

Helen Breon, a little daughter of John Breon, west of town, is seriously ill with lung fever.

Thomas Bennage is proud of a little boy that came to his house Wednesday. A fine little fellow, indeed.

ings in the Reformed and Lutheran union church at Tusseyville.

George Brown, a farmer, of Yarnel, this county, died Saturday afternoon after a lingering illness from dropsy. Smith Bros. have just received a car

load of chamber suits, from the cheapest to polished quartered oak, on which they defy competition. Sunday evening Rev. W. W. Rhoads

entire output of a day; thus a careless church, opened a series of meetings in Rev. J. M. Rearick Sunday evening

announced that he would begin a two weeks' series of meetings in the Lutheran church at this place, beginning Tuesday, Japuary 29th.

At a Democratic caucus meeting in Harrisburg resolutions were passed lightened the load of care and labor crats who assisted in electing M. S.

The Bellefonte Republican has no reamery is here to stay. What it use for Representative J. K. Thompson, D. K. Keller:-"Leaflets." The nice things about Mr. Thompson dur-Quay. The Republican said awful

Homer Harry, who has for some occupation. The time is near when weeks been in the hospital at Austin, agriculture will be taught in the rural suffering from the effects of an accident schools. Nature study is the first step which befell him while working in the in that direction. The leaflets are is- woods near his home, near Rebersburg, sued by the Pennsylvania State Coi- is not recovering as rapidly as was re-

sistants, and can be had by all teach- Mrs. Maggie Hess wife of Newton ers who apply for them. At the time Hess of Pine Grove Mills, met with the subject is discussed specimens a very painful accident at her home. should be exhibited. Some of the sub- She was passing the stove when a vesclothes moth, spider, potato beetle, on her, scalding her lower limbs and

Mrs. Mary Ward, of Pine Grove Mills, mother of Dr. J. E. Ward of this place, says the Bellefonte Daily News, narrowly escaped choking to death at noon Thursday of last week. those insects which are injurious and throat and only the most heroic treat-A piece of meat became lodged in her ment released it.

Rev. D. J. Mitterling, well known them to observe carefully, and record commencing with your assumption of editorship. The Reporter has been a Among many other representative weekly visitor for many years; indeed farmers who attended the institute I think since I reached sixteen years of age. It is, therefore in my actually.

W. M. Knoffsinger reports great activity in Greens Valley. Paper wood, Harris-Frank McFarlane, Owen match wood, and timber of all descrip-Mothersbaugh, H. E. Homan, J. H. tions, is being cut and hauled to mar-Lonberger, Frank Brown, Jonathan ket. Mr. Swartz is conducting the Tressler, Henry Potter, Samuel Brown. match wood operations. The wood is Penn-Christ Alexander, Jacob Ker- of fine quality and used by the Bellefonte match factory. Mr. Knoffsinger stated that George Horner is the Gregg-Emanuel Zeigler, Robert banner paper wood hauler, having fillreturned by the Lock Haven paper

K. H. Stover, the former railroad agent at Paddy Mountain, was recently transferred to the Mifflinburg station, which he will be able to conduct in the best possible manner. Paddy Mountain is the "High School" of the L. and T. railroad. It has turned out some excellent graduates, and among others are Messrs. Frank Bradford, at Centre Hall; A. N. Bitner, Pine, Penn'a.; Philip Bradford, Linden Hall, and now Mr. Stover. To be a real good station agent a course at Paddy Mountain is necessary. J. B. Wagner, who so ably filled the clerkship at Coburn, was transferred to Paddy W. J. Harter, of Coburn, had both Mountain, and Mr. Johnson, of Cherthe bones in one of his legs broken by ry Run, takes the place as clerk at Co-