THE INSTITUTE.

A Series of Interesting Meetings Under the Auspices of the State Agricultural College

MANY FARMERS IN ATTENDANCE

Programme Successfully Carried Out.

Magnificent Display of Fruits, Tegetables, Cereals and Minerals.

XHIBIT OF TROROUGHERED STOCK

Meeting that Has Aroused the Interest of Our Farmers, Miners and Stockman, and which will hesult In Much Good.

The first annual meeting of the Farmers Institute, held by the State Agricultural College, which commenced in this city last Wednesday, and continned three days, was a grand success in very respect. While the attendance vas not as large as it should have been the interest manifested by the farmers. niners and stock raisers who were resent shows an awakening to the mportance of meetings of this kind, which, by the interchange of ideas and equiring knowledge of the results of end to stimulate a desire to excel and ender chances for success much great-

On Wednesday evening the Institute vas formally opened, a large and apreciative audience being is attenance. The meeting was called to order and on motion Hou, L. B. Rinepart was elected chairman and B. F. Wilson, secretary. After a well renlered peice of music, Mr. W. T. Wright, n behalf of the citizens of Union, releamed the representatives of the ollege, Proffessors Letcher, French nd Washburn and, also, the visitors om the various parts of the county, are eloquent and appropriate address. n the absence of President Arnold, rof. J. D. Letcher, of the State gricultural College responded in bealf of the Institute

After paying tribute in a few well sen words, to the beau y and inteluccess, he proceeded to outline the sock that our Agricultural College was oing for the State. Since education as now become so well night univeral, he showed the necessity of a high r ducation for farmers. An education hat we will no them for the responsiilities of the life; thet yould and arize them with a know !dge at mature and her physical laws; hat was it teach that 100 acres well nd carreily tilled, would produce etter results than 200 half cared for: hat siews how insects, pests and disases of centation can be as definitely etermia- i and as successfully treated y science, as pneumonia or measels a the berson frame; that would instill ato the rotal the haldt of scientific boughtfulness and the necessity of ranslating it into action: that would ive such discipline of mind, body and ympath es as would elevate and anole agriculture and at the same time scognize manual labor as something be honored and respected by all. le next spoke of the vital connection etween their college and Institute ork, in bringing the parents into earty sympathy and active co-operaon with the work of their children at allege; and in bringing into contact ad co-operation, the theory and ser- tical Economy. ice of farming and fanit culture as ught at the college with the practi-I knowledge and experience, as

arned upon the farm. He then enumerated the advantas to be mined by a lew year's resince and a why at the college, where riculant and horticulture were ught as science, with every fality for its thorough and complete natury and where the very atmosere was confinctive to a bio d and eral cultive; where the strients re tab, lit not only how to plow and w to lead, but also the reason for d the a 'slassifity of plawing, as well the vo. a string, action and values the daily by kinds of head-weere ey have enger that hack farming but mowning of the rest nature of all

te to that in 1102 the United any standard the Union at rge truet der the charge of a lady, are taught the roads. He hoped that the isolated

of land provided it would establish a college in which should be taught agri- cooking and physiology, instead of agricultural and mechanical science, and culture and surveying. military tactics, both theoretically and so taught as a department in any es-Corvallis, and was made a department sideration. of Corvallis College-a literary institution under the control and management of the Methodist Church, South. In An Instructive and Interesting 1888 the state received it back from the Methodists, severed its connection with Corvallis College, located it at Corvallis, and resumed entire and independent control of the institution, under the name and title of "The State Agricultural College of the State of Oregon."

Its Board of Regents consists of the Governor, the Secretary of State, the Superintendent of Public Instruction, the Master of the State Grange, and nine citizens of the state, and they have absolute control of the management of the college. It now has no connection whatever with any religious denomination or other institution of

The last Legislature made sufficient appropriations to furnish 150 acres of land in addition to the thirty-five acres previously donated it by the citizens of Benton county, and to build thereon a large wooden dormitory building, a two-story octagonal bare, and a well arranged brick mechanical hall.

A large commedious, well ventilated and well-lighted brick hailding which is now sused for recitations was presented by the citizens of Corvallis and experiments made by others must Benton-county as a condition of its relocation at that place. The dormitory building will anable the college to board and lodging for about \$2 aweek, while the mechanical hall will contain the forge and machine and carperter shops-everything necessary for skilled training in wood and iron work. All need not exceed \$150 per annum.

The land and barn fully equip the vesting crope, and in the care and use of farm machinery and stock.

liberality.

for the purpose of experimentation in gence of his audience, and thanking agriculture and kindred sciences, and chart was shown on which was indi-Lawho by their presence, interest or the Etate Agricultural College has cated comparative weights, and gains abor, shall contribute to the Institute been intrusted with the disbursement in weight, of the different breeds of of this fund. It is the purpose of the cattle in an experiment at the Michi-Board of Regents to establish three experiment stations, in the State-one in Eastern Oregon, one in Southern Oregon, and one at the college. Several places in both sections have already presented their claims for the location of these stations and there is no reason

why Umon should not present hers. Almost the first work of the present Board of Regents was to arrange a course of study which would meet the needs of the industrial classes of the State, and make the institution what it was designed to be-strictly an agricultural and mechanical college. It is the only institution in the state that offers a thorough industrial education -both theoretical and practical-to

Its requirements for admission are a satisfactory examination in Arithmetic, elementary English Grammar, Reading, Writing, Spelling, and Geography; but a Preparatory Department is connected with the College for the instruction of such students, over 15 years of age, who fail to pass the regular College examination.

In English the course includes English Grammar, United States and General History, Logic, Rhetoric and Poli-

La mathematics, Algebra, Geometry and Trigonometry; and in applied Mathematics, Surveying, Road-making Leveling and Mechanics.

In agriculture, Breeds of Domestic Animals—their characteristics and adaption, drainage, soil-tillage and rotation of crops, and the origin and formation of soil, and the History of Agri-

In Botany and Horticulture the flora of the State is carefully studied, and practical work in budding, grafting, pruning, potting plants and harvesting fruits is waited upon.

In Chemistry and Physics, qualitative and quantitative analysis in addition to the regular class room work is

Book-keeping, Physiology, Bee-Cule fam ag and how as a p y it in ture and Pine Hand Drawing are also taught.

In zodlogy and entomology, insect

The mechanical hall is well supplied breeding of stock.

in the machine shope, and are allowed Bertha Bloch. to perform voluntary liaber upon the farm for which they are promptly paid. exponses very largely.

selected on account of their fitness for the duties of the chairs which they fill. them are required in the regular three vears course.

The discipline, which is military, is firm but not rigorous, and a prompt, cheerful obedience is at all times insisted upon.

The design and aim of the college is to receive the students from the farm, educate them upon the farm, and then return them to the farm to pursue farming, with an education that, instead of driving them from the farm, enables them to follow farming in an intelligent and scientific manner.

After the address of Prof. Letcher the audience was entertained with a furnish students from a dictance with duet by Mesdames Lloyd and Cooper; Fannie, Edith and Inez Wright.

On Thursday at 1:20 p. m. Prof. French read a paper on the "Different Breeds of Animals and Adaptation to Particular Uses." The Prof. was Several preminent stock breeders in shown of continueing our efforts at

gan Agricultural College in 1888. A discussion followed by Mr. W. T. Wright, Judge Sanders, Prof's. Letcher and Washburn, Hon. Dunham Wright Mon. L. B. Rinehart and others.

Mr. Weight thought that corn had more to do with an animal's capacity to endure a severe winter than many people believed. He gave it as his opinion that dark colored cattle could endure more than the light colored ones. He thought that the Short Horn cattle were the best for Eastern Oregon.

After the discussion a charming song was rendered by the Misses Driver and

Mr. W. T. Wright then delivered an excellent address on "Dairy Farming." He stated that for the best "gilt-edge butter" the Jersey cow was first and foremost. In this all seemed to agree with him. The points of a good Jersey cow, as established by the American Jersey Cattle Club were cited.

A discussion on this subject followed by Mr. J. M. Selder, Prof's French and Letcher, Mrs. Hendershott and Mrs. J. B. Eaton and others. Mrs. Eaton dwelt at some length on the details of butter making. When trying to make the very best of butter she prefers to take the butter from the churn when the grains are the size of a mustard seed and not as large as wheat grains. After a few remarks by Chairman Rinehart the meeting adjourned till

The evening session was called to order by Chairman Rinehart and L. J. Davis was appointed secretary. The choir rendered a superb anthem, and little Miss Belle Henderson of Sparts delighted the audience with a

declamation. An address on "Roads and Road Building" was then delivered by Prof. Letcher. He showed the necessity of good roads and the vast aid they are to commerce, the development of the country and social intercourse, and cited the effect had on different nations by good and substantial highways. He said that Oregon is badly in need of good roads and that the legislature In the dejartment of Household would do well to make liberal approtes Canana passana law onating Economy and Hygiene the girls, un priations for the purpose of improving

sewing and dressmaking and fitting, valleys and mineral lands of Oregon sive steam hoisting and pumping maworld by the construction of substan- present workings and at each 100-foot practically; or should require those and animal life, in consection with tial highways. He dwelt at some level a drift will be run on the ledge branches of industrial education to be vegetable and plant life, especially length on the best methods of build- 100 feet either way from the shaft. where they benefit or injure it, is care- ing roads and keeping them in repair. When this is done a plant of 100 tens tablished literary or scientific institu- fully studied; and the students take He thought that experienced engis daily capacity will be immediately tion of learning. I short AS70 the State part in the application of the remedies neers should be appointed for each built by the present owners,

with all necessary anachinery for in- strumental duet by Mrs. Hall and "Hidden Treasure" owned by Henderstruction in wood and metal work, as in Miss Kennedy. Turner Oliver read son & Rapelje who are doing extensive the farm for planting, tilling and har- an original poem by Judge Brainard, development work and are now mining vesting crops, and flor the case and entitled "The Vale of Grande Ronde" a rich free gold on pan in a 262 foot tatoes. and concluded with a declamation en-tunnel, Aill the students are required to labor titled "On The Farm." A vocal solo one shour per day, either on the farm or was excellently rendered by Miss and "Oro Dell" had each a nice col-

.Dr. Jay Guy Lewis of Sparta, was nanzas, introduced and in a most elequent and | The "Montezuma" owned by Mes-By this means many of the students entertaing manner gave a vivid des- dames Lewis & Henderson is rich in are enabled to reduce their necessary eription of Eagle valley and the won- free gold and sulphurets and will no derful ledges and placer mines of Spar- doubt enrich these enterprising ladies. The faculty consists of eleven profesta. At the close of his address he The "Marotte" mine has lately been sors and five assistants, who have been presented the mineral collection, sold to Chicago and Milwaukee par-Sparta, to the Agricultural College, present owners are doing extensive ley Instruction in German, French, Latin | The collection of fruits sent in by the | development work preparatory to putand Greek is provided for, but none of citizens of Eagle valley he presented to ting up a large milling plant to handle falfa. the editors of THE SCOUT and Republis | their ores. can, with the exception of the big conditionally, to Frof. Letcher who of interesting samples and are undoubthad been keeping a wishful eye on it edly rich properties. during the entire session. Mr. Davis, of the Republican, thanked the donors

on behalf of the press. A discussion on the diseases of Jersey cattle was then taken up and con- Jay Guy Lewis. tinued at-come length.

A vocal solo was rendered by Mr. Mat Hall, and a piano solo by Miss Fannie Wright.

On motion the thanks of the Institute was tendered to Dr. Jay Guy Lewis, Mr. Benj. Longley, Capt. Craig and a declamation by L. J. Davis and some Mr. H. A. Barrows for the interest excellent instrumental music by Misses they took in the work and for their labor in bringing so far the exhibit of the products of Eagle valley.

On Friday at 1:30 p. m. Prof. F. L. Washburn, of the college was introduced and delivered a very interesting agricultural department for thorough listened to with great interest. The and instructive lecture on the characand successful work in raising and har- native home of the different breeds teristics of fruit pests that now infest and the conditions of their life there | the orchards of the state and the best was reviewed. The necessity was methods of destroying them. In the course of his remarks he gave the rethe state have presented the college with breeding these cattle here in the same sults of experiments made at the colanimals from their herds, and it is lines in which they excelled at home. lege farm and described how the green hoped that other citizens will follow The history of our native cattle, so apis could be exterminated with soap, the example of their commendable called, was dwelt upon at length. The tobacco etc. He introduced a gopher Devon, Hereford, Polled Angus, Gallo- trap which he recommended; spoke of By a recent act of Congress \$15,000 way, Short Horn and Durham each the work of the fetomoligist, showing is annually appropriated to each State received attention and their merits as the implements used, and hoped that beef or dairy cattle compared. A every farmer will soon have a library and exercise his brains as well as his

Hon. J. H. Hendershott spoke in high terms of the exhibit and gave his ideas of fruit raising. He would set out trees at least 30 feet apart and place two boards in a V shape on the southwest side of each tree to protect it. He thought that there cannot be too much irrigating provided the water runs off. Timothy he thought, was

poisonous to fruit trees. Judge O. P. Goodall delivered an excellent address on "Diversified Farming" and Prof. French spoke upon the

success of crops in Oregon. On the closing evening the meeting was opened by an anthem rendered by the choir. A paper on bee culture written by C. T. Wise, of Eagle valley was read by M. F. Davis; followed by a piano solo, by Miss Fannie Wright; declamation by Harry Walrath; song, by Mrs. Mat Hall; declamation, by Prof. B. H. Moore; song, by Mrs. J. L. Carter; address by T. H. Crawford on "The Advantages to the Farmer of a Thorough Education," followed by remarks by Prof. Letcher.

Some resolutions were offered which we have not the space to give at this time. On motion the thanks of the Institute was given to Chairman L. B. Rinehart for his interest and attendance at the meeting which he acknowledged in a fitting manner.

THE MINERAL EXHIBIT.

While it was not generally known that an exhibit of the produce of the country would be made, the display at the court house though not as extensive as it otherwise would have been, was truly remarkable. The collection of ores from the mines of Sparta and vicinity placed on exhibition by Dr. Jay Guy Lewis, which was supplemented by a number of magnificent specimens from the cabinet of Hon. J. A. Wright, attracted much attention, and must convince any one of the remarkable richness of the Sparta mines. Some splendid specimens were on exhibition from the "Del Monte" mines which embrace a group of four claims giving an ownership of 6000 feet lineal by 600 feet wide. On this gold bearing quartz lode, several hundred feet of tunnels and shafts already done, show large bodies of valuable ore, and the present owners, Messrs. Henderson & Rapelje are now putting up expen-

would soon be brought into easy com- chinery, and an incline shaft on the munication with the markets of the ledge will be sunk 300 feet below the

Agricultural College was located at for the pests and diseases under con- county whose duty it should be to The "Gold Ridge" group from which oversee the construction of all roads, were some rich specimens, embraces The address was followed by an in- the "Gold Ridge," "Legal Tender" and

The "Dolly Varden," "Golden Gite" potatoes, lection and are evidently coming bo- bage,

which was sent in by the citizens of ties for the sum of \$15,000 and the

The "Magpie" and "Mint" owned watermelon, which he donated, un- by Cook & Younger show a large line

"Silver Queen," "Free Thicker" and "Tom Pame" mines show a fine line of gold bearing ore and give promise of great wealth to their owner, Dr.

The "Edna May" owned by Mrs. Dora B. Scott of La Grande, shows a rich varietya of ore and the "Mogul Chief" owned by Mrs. Sparks, of the Hotel Sparks of Sparta, is among the most promising mines of the Sparta

The "Gray Eagle" and "Union" owned by Messrs, Clough & Reed have already furnished 800 tons of ore to the arastra, which in return yielded the owners \$9,620 in bullion-the exhibit from this property is large and interesting.

The finest free gold specimen on exhibition was from the "Blue Gulch" mine owned by C. D. Read, who is doing extensive work on the mine.

The W. W. Mining company on Paddy's creek showed rich ore, and a ten days ron with their arastra gave a clean up of \$600 with plenty of ore on the dump and in sight.

Pat, Long showed rich ores from his mine on Powder river. The "Copper King" owned by Lewis, Buckland and Garand is a rich copper mine if one is allowed to judge by samples shown.

Perhaps the most interesting sample in this large exhibit is a specimen of sulphate of alum, from the mine owned by Joe. Dolby of Big creek, which is reported by Prof. Lewis as the finest article of alum found in the United States transportation is all that is needed to make this a great

THE CORNUCOPIA MINES.

The exhibit from these mines, in charge of Mr. W. R. Usher, was an excellent one and attracted the attention of every visitor. The samples from the "Red Jacket" mine, owned by the O. G. M. Co., were magnificent as were also, those from their "Union" mine, and the "Last Chance" mine, owned by Carey and Co. The richness of one or two of these mines has never been made known by the owners but is said to be marvelous.

Some superb specimens were shown from the "Forest Queen" mine formerly owned by Cox, Allen, & Perkins, but now sold to a Scotch syndicate.

The "Galena Ledge" owned by N. Schoonover, F. Ballard and N. Tarter, also showed some excellent specimens.

The specimens from the Cornucopia mines, placed on exhibition by Mrs. Bolles, among which were horn silver samples and a gold bar, were very

pretty and interesting. A large piece of ore from the "Way Up" mine, owned by Bolles, Senor, Usher and Reeves, was the center of attraction. It was literally full of gold. The ore from which this piece was taken assays \$50,000 to the ton.

THE EAGLE VALLEY EXHIBIT,

Among the display of country products the exhibit made by Eagle valley was prominent and elicited the most attention. That Eagle valley is a veritable Garden of Eden and possesses a soil and climate peculiarly adapted to the culture of semi-tropic fruits and grasses was proven beyond question 700 lbs. by the great variety and superb quality on the exhibit. The exhibitors from Eagle valley and the samples sent in by them are as follows:

broom corn.

Capt. C. H. Craig-Vegetables and

James Holcomb-Peaches. Mrs. Nellie Beck-Prunes and pears.

Alec Tarter-Tomatoes and onions. W. H. Tobin-Fruits, tobacco, table vegetables, castor beans and plantain. Joseph Beck-Five varieties beans. Fuller & Holstien-Peaches and amber cane.

C. T. Wise-Strained honey,

Harry Barrows-Brownview apiary -Colony of bees, honey etc. W. R. Usher-Corn, prunes, pears,

peaches, beets and potatoes. Benj. F. Longley-Cabbage, potatoes, barley, varieties of wheat, parsnips, carrots and alfalfa.

John Frasier-Beets, onions and po-

E. R. Samis-Cabbage, onions and

Frank P. Lee-Potatoes and cab-G. W. Moody-Peaches and alfalfa.

UNION AND COVE.

S. J. Benson-Potatoes, corn, apples,

Wm. Hutejanson-Perfection sugar ball potatoes and corn.

Wm. Dobbs-Durban potatoes, apples, cabbages, omions, wheat and bar-

W. D. Biedleman-Third crop of al-

J. B. Thompson-Black walnuts. erab apples, hops, apples, plums and potatoes 2½ lbs.

W. F. Davis-Transcendent crab apple.

Hall Bro's-Wheat.

M. E. Walker-Blackberries and

Robt. Shaw-Castor beans, corn, hops, squash, apples and potatoes. A. J. Goodbrod-Melons, cucumbers,

ground cherries and celery. Sam'l Truesdale—Turnips 64 lbs.

Poor farm-Cabbage, squash and

Sol. Seamens-Onions.

Mrs. N. Tarter-Clapps favorite

Mrs. M. J. Chancey-Buckeyes. Geo. Tinkham-Potatoes, cabbage

J. D. Carroll-Beets.

Mrs. W. F. Davis-Pears, apples J. H. Corbin-Crab apples and

pears. Mrs. S. O. Swackhammer-Black-

berries. M. S. Warren-Apples, crab apples and squash.

Mrs. James Hendershott-Corn, apples, prunes, turnips, potatoes, pickled,. fruits, and big sun flower.

Herman Geer-Oats. J. E. Hough-Snake cucumber.

RARE PLANTS AND FLOW Mrs. S. O. Swackhammer-Sea onions, fuschias, rex begonia, rare variety geraniums, and crucifixion plant.

Mrs. W. F. Davis-Coleus, cactus, Madame Pollock, and ivy geraniums Mrs. E. E. Pursel-Roxina, fuschias,

and boquets composed of many differ-Miss Ida Davis-Rose geranium.

Mrs. O. F. Bell-Boquet of rare flow-Miss Mollie Foster-Double begonia,

and calla lily. Mrs. George Wright-Boquet. Mrs. Mollie Thompson-Boquet.

FINE STOCK EXHIBIT. The exhibition of fine stock which took place in the court house yard Friday forenoon was extremely good. The exhibitors and the stock they had

present were as follows: Mr. A. T. Neill-Short Horn cattle-Ada Maple," "Lena," "Sharon Rose," Belle Walker," "Cardinal Rose," "Lord Joe," "Lady Dora," "Betty," "Pointer" and five head of beef steers. Mr. Neill also, had his pet deer "Ben" on exki-

Hall Bro's-Thoroughbred horse 'Cleveland" sired by Norman Percheron horse, dam Clydesdale, two years old, weight 1,300 lbs.

N. F. Ficklin-Five Holstien cows. two years old, and one Jersey cow. E. H. Lewis-Jersey cow.

E. F. Springer-Thoroughbred stallion, "Richard 111" height 154 harads. weight 1050 lbs. Mr. Springer, also, had several other fine animals, on ex-

Little Fred Nodine-One pair twin steers, weight 3,950 lbs. These were beauties and are, the same that were spoken of in o or last issue as having been sold 'a A. H. Johnson for exhibition at the Portland exposition.

J. Q. Shirley-Short Horn cows; three sple ndid "Christmas" steers, weight 1,f 00 lbs each; one hog, weight

Dr. De ering—Race horse "Bellfounder Chief

If the names of any of the exhibitors have I seen omitted in the foregoing it M. Reeves-Grapes, apples and was entirely unintentional on our part and we trust they will overlook it. It is to be hoped that all will hereafter tal ce an interest, and that these meetgs, so auspiciously begun, will grow a favor and importance.