poorer hay than any of the clovers? Dr. Withycombe—Yes, sir, but it is a good hay for horses subject to hard

Dr. Withycombe—Yes, sir, but it is a good hay for horses subject to hard work feeding it with heavy rations of grain. Chas. Chandler — I would always rather have clover and timothy mixed than clear clover. F. P. Friday—What do you use for fortilizer on your lawes? Prof. Knisely—They use wood ashes. Dr. Withycombe—Do they not use a combination? Prof. Knisely—Yes, sir, but I don't know just what it is.

know just what it is. Dr. Withycombe - Nitrate of soda would be better than that I think.

Prof. Knisely—A good fertilizer is wood ashes, but should be put on thinly, if you put it on in shovelfulls you will

kill your grass. Dr. Withycombe-You must be carethe capacity of the soil for holding ful in the use of commercial fertilizers, water Prof. Knisely-There is quite a dif-

very careful or you will kill your plants. One of our citizens at Corplants. One of our citizens at Cor-vallis sowed guano on his grass very generously and killed every spear of it. Here during a breathing spell B. R. Tucker brought up to the chairman's to 60 per cent of its weight in water. We

plow it up? Dr. Withycombe—It depends a great deal upon the land. Here they can grow longer than they can with us. We cannot let clover go over two years, but here you can let it stand four or five years. I think the root borer will be in-troduced here sooner or later, then in two or three years your clover fields will have to be plowed and renewed. Chus. Chandler—With me the timo-thy crowds the clover out. Dr. Withycombe—With me the timo-the with years that 's true. I Dr. Withycombe—With me the timo-the works the clover out. Dr. Withycombe—With me the timo-the very top soil will be dry and dusty. The works the clover out. Dr. Withycombe—Yea, that's true, I

Chas. Chandier—With me the timo-thy crowds the clover out. Dr. Withycombe—Yes, that's true. I will tell you how it is in the valley. In the early days we could not grow timo-thy hay satisfactorily. But we began sowing timothy with clover, the first year the timothy and clover were nearly equal, the second year it was about two-thirds timothy, and the third year it was almost all timothy. E. L. Smith—Is not the timothy a poorer hay than any of the clovers? will find there. There is another thing that will influ-

cultivation too wet will so destroy the cultivation too wet will so destroy the texture that it will take years to over-come, therefore do not work a clay soil too wet. I think you will do well to have a little discussion on this subject. Some of the soils in Michigan, the apple lands are similar to yours.

E. L. Smith-Ten times.

moisture with your foot. Prof. Knisely-There is one thing-

J. L. Carter — Suppose you are using 100 gallons of water and 3315 pounds of lime; it is pretty hard to keep it from one year, but it was done so late that I quality, quality, no matter how good did not consider it a fair test. The re- those a little under may be. E. L. Smith—Ten times. Prof. Knisely—All summer? E. L. Smith—Yes, sir, and there is never a time that you cannot reach moisture with your foot. Prof. Knisely—There is one thing—if

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an one year, but it was done so late that i quality, quality, no matter how good dincomplexity and the consider it a fair test. The results were not so noticable to a degree is sults were not so noticable to a degree is sults were not so noticable to a degree is sults were not so noticable to a degree is sults were not so noticable to a degree is sults were not so noticable to a degree is sults were not so noticable to a degree is sults were not so noticable to a degree is sults were not so noticable to a degree is sults were not so so noticable to a degree is sults were not is a very serious matter. Seven or eight years ago my attention was called to the same thing. I noticed where the land had been fertilized by manure, giving the foliage a deferment was considered able rust. I noticed several patches, has season where the berries were fine except for that one thing, and it near or encouragement to plant common fruit. The growing of a commercial orthard is rather a dull proposition, is some locations matter.
Prof. Cordley—I believe strawberries ean be sprayed very easily by having the pressure applied, covering several with pressure applied, covering several or the rees need to be let alone, and the rees need to be let alone, and the needucing codlin moth; several
T. R. Coon—Has irrigation any effect in reducing codlin moth; several

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the purps. The discussion following was ing the sort use in the spraying tormulas were given for making spraying preparations for use in destroying differ-e ant peets. The best method of prepar-ing the Bordeaux mixture is to dissolve the spraying tank at the same time, making the material ready for use, G. R. Castner-I would like to ask about using copper sulphate in the place of salt in the lime, autphur and salt spray for San Jose scale. Trof. Cordley-Would there be any for San Jose scale.

 and tracket many series a bank and the series and tracket methods as many perfects as given and bear as a bank and the series as howe made dear at the series as howe mende a fair.
 b. R. Castner-I would like to as a bank and the series as howe mende a fair.
 c. B. Castner-I would like to as a bank and the series as howe mende a fair.
 c. B. Castner-I would like to as a fair the line, support suppare series at series at set and and the molecule of a series as howe mende a fair.
 c. B. Castner-I would like to as a fair the line, support suppare series at set and the series as fair the series a other on the tree, they are to provide a spot on each where the larva of the codlin moth can enter without par-

Hood River, Ogn., Jan. 25, 1968.—David-son Fruit Co.—Gentia-men: I bought a Po-mona Spray Pump from you three years ago, and I want to say that I think the Porrona is all o, k. Have surved several

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1005.—Davidson Fritt Co.—Gentlemen: A year ago 1 purchased from you one of the Gould Pump Co.'s Sentinel Jr. Spray Pumps. I have used It one season in my 20 acre orchard, and can trathfully say that 1 an well pleased with the results obtained. For simulicity in conthe results obtained, For simplicity in con-struction, durability in wear, conventioned in cleaning and re-pairing, casy opera-tion and thorough work, it receives my hearty commenda-tion. Yours research hearty commenda-tion. Yours respectfully, A. I. MASON.

POMONA.

Hood River, Ogn., Jan. 10, 1993.—Davidsem Fruit Co.—Gentiemen: After using four other kes of Spray Pumps I bought a Pomone and found it a great success. I sprayed 30 acres rehard with it for two seasons and it was still as new and had cost nothing for repairs. A senson, for my increasing business, I bought a Sentinel Jr., and find it equal to any de-nots that I can make on it. It is powerful, durable, readily cleaned and easy to work, and 100 to 125 pounds pressure. I consider it unequaled, Yours truly, WM. KENNEDY.

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