## GRANGE.

Making the Lime-Sulfur Wash. At this time of the year owners of fruit trees are preparing to spray their trees before the setting in of freezing weather. It consequently happens that many of the letters received at the Division of Zoology of the Pennsylvania Department of Agriculture contain queries in regard to spraying. No matter how often published, information is still re-quested as the making of the limesulfur solution, the quality of lime to use, whether iron kettles in which the solution is boiled will be damaged, etc. The following replies to the questions contained in a letter recently received by State Zoologist Surface, of Harrisburg, will, therefore, be read with interest:

Replying to your recent, letter asking about the best formula for spraying for San Jose Scale, I beg to say there is certainly nothing better than the boiled lime-silfur wash, either commercial or homeboiled. If one has much scale he should spray his trees in the fall or winter, at any time after the leaves fall, and again in the spring when the buds are swelling. If they are not badly infested the spring spraying should be sufficient. Thoroughness is essential. To make this mixture, fresh lime or quick lime is needed. Air-slaked lime will not do for the reason that the air-slaked lime has undergone a chemical change, and is not the same substance, chemically, as the quick lime and does not make the same chemical union. It is more inert or inactive.

It is possible to keep lime in the same chemical form as the quick lime or fresh lime if you will slake it in water at once and keep it beneath water, or, in other words, keep enough water over it to keep it in the form of a paste or putty. When you want to use it, take three times as much of the lime paste as you would of the dry material.

"It is impossible to spray too often with the lime-sulfur wasn. If you use other materials, especially oils, it is possible to do so; and, in fact, the oftener you spray with them the greater will be the danger

to the trees. "The boiled lime-sulfur wash is made by boiling seventeen pounds of sulfur and twenty-two of lime with enough water to boil, and then adding enough to make fifty gallons. At will not injure an iron kettle, but it will destroy copper. You can clean the kettle with hot vinegar."

That Horned-Tail Snake.

There are still inquiries concern ing that offer of fifty dollars for a specimen of a horned-tail snake, which was made by Professor H. A. Surface, State Zoologist, Harrisburg, In the Professor's mail the other day there was a letter from South Eston, Wyoming county, Pa., containing the following information:

'We have in our possession a snake we call a horned-tail snake, which has the appearance of being very poisonous. It has no teeth, the only means of defense that we can see about it being a horn-like bone at the

end of the tail about an inch long." Following is Professor Surface's reply:

'I have received your letter stating the end of its tail, about one inch long. It is true that I offered fifty dollars reward for a Horned-Tail Snake, if such proved to be anything else than some of the known species of serpents, such as the Blowing Viper or the Milk Snake, commonly called the House Snake, or some other already well-known kind. This was to prove or settle the controversy of the existence of a Horned-Tail Snake. Such belief was common throughout the country, but not properly established.

If you are willing to send me your specimen by express, I will pay the expressage on it, and if it does not prove to be some ordinary serpent, such as we already know, and should prove to be such a thing as could properly be called a Horned-Tail Snake, I shall pay you a reward for

"I hope this makes clear the facts of the reward which has been offered, and which has not yet been taken up by any genuine specimen submitted."

Dealing With the Woolly Aphis. Some infested apple twigs were received from Franklin county at the Division of Zoology of the Pennsylvania Department of Agriculture, and the person sending them was of the opinion that the trees were infested when they left the nursery. In reporting upon these twigs, State Zoologist Surface wrote as follows:

The apple twigs which you sent are infested with an insect known as the Woolly Aphis. It is not the regular Apple Aphis but a worse pest, for the reason that it feeds not only on the bark of twigs but also on the roots. You are liable to receive these pests from any nurserymen, or they may come to your trees after you get them from the nursery.

"I would recommend that you spray your trees soon, with any good contact insecticide, such as is recommended for San Jose Scale. Limesulfur wash will do for this. Be sure that the spray liquid is blown into all knots and cracks where these

pests inhabit. "The worst feature about the Woolly Aphis is that it attacks the roots, and this you can not well determine without making special examination for it. It produces knots which keep the sap from flowing well through them, whether they be ADDS IN THE CYTIZEN

on the roots or branches, and it also keeps these places in about the same condition as sores on animals. Where the insects are on the roots the best thing to do is to remove the soll enough to expose them, and at once cover the infested places with powdered tobacco or tobacco dust, which in itself is a valuable fertilizer, and then replace the soil, and you may be sure the pests will be killed. Remember that powdered tobacco is better than tobacco stems

for this purpose. " If you do not wish to go to the trouble and expense of spraying the trees for the Woolly Aphis, and if they have no San Jose Scale, or other pests, that would demand a winter spray with contact insecticides, such as lime-sulfur wash, you can treat this pest efficiently and much cheaper by simply using a paint brush, and painting the spots where it 'occurs with a contact insecticide, such as one pound of whale oil soap dissolved in one gallon of water, or extra strong lime-sulfur solution, or twenty per cent. kerosene emulsion, or such other materials as are efficient and satisfactory for San Jose Scale.'

Can't Get Messages From Mars. Dr. J. A. Anderson, professor of astronomy in the Johns Hopkins University, in giving his views regardinging the statement made by Professor William Henry Pickering, of Harvard, that the planet Mars can be communicated with by a set of mirrors, said:

"I really do not think that Professor Pickering's statement has been received in the light that it was intended. As it stands, it is perfectly plausible, but as for the actuality of ever communicating with the planet, as M. Camille Flammarion says,

that is another question. "It is highly possible to construct an arch of sufficient intensity to convev a beam of light to Mars. A light as strong as that of the sun would carry to the planet, so that if we can construct a reflector strong enough to send sunlight in its original strength through the heavens, the problem so far will have been solved.

'Whether or not there would be anybody or any form of life on the star to signal us back again is another question. There is certainly no evidence now of any such a fact. While the theory of the planet being habitable is generally accepted, whether it is inhabited has never been solved, and at present there are no indications that it will be solved, at least in the near future.

"Suppose the planet is inhabited, although the concensus of opinion here is negative, is it logical to suppose that the Martians would be ready to take or notice a message just at a time corresponding to that houses, evidences of paved streets and when it was sent from the earth? As is well known, Mars is practically the only planet that shows any signs of being physically habitable. It has an atmosphere of its own, and, moreover, is capable of being studied, which cannot be said of Venus, nearer and found the streets of an which is even closer to the earth. That planet's face is never seen, being covered with dense clouds. It is to lead from the city to the top of not known what the temperature of a near-by peak, on which was found Mars may be, or whether or not it the stone ruin of what seemed to have would support life. Professor Ever- been a watch tower.-The Pathfinder. ett Lowell, director of Lowell Observatory, has done much work on the study of Mars, and has reached the conclusion that it is both habitable stepped into the bookstore, but for and inhabited.

that you have in your possession a solved in the future, but so far as centered in a stout gentleman who Horned-Tail Snake, or at least a Professor Pickering's recent state- had strolled over in that direction ment goes, I will say again that I and heard the head clerk remark: think it has been taken to mean more than its author intended, exceeding the scope of its patent plaus-

## RESOLUTIONS OF RESPECT.

'Oddfellowship! Working in manhood's prime and

ardent youth In that sublimest, most ennobling

strife, To show for man, best Friendship, Love and Truth."

In memory of Sylvester Wood-mansee who died Thursday, Dec. 9;

'So let him sleep that dreamless sleep, our sorrows clustering round his head:

Be comforted, ye loved who weep, he lives with God-he is not dead."

Once again Death hath summoned a Brother Odd Fellow, and the golden gateway to the Eternal City has opened to welcome him to his home. He has completed his work in the ministering to the wants of the afflicted, in shedding light into darkened souls and in bringing joy into the places of misery, and as his reward has received the plaudit, "well done," from the Supreme Master.

And Whereas, The all-wise and merciful Father has called our beloved and respected Brother home. And Whereas, He having been a true and faithful brother of our Mystic Order therefore be it

Resolved, That Lake Como Lodge, No. 964, I. O. O. F., Lake Como, Pa., in testimony of her loss, tenders to the family of the deceased brother our sincere condolence in this deep affliction, and that a copy of these resolutions be sent to the family.

S. B. WOODMANSEE, T. B. LIPPINCOTT,

J. H. TAYLOR, Green be his memory, in the Order's heart

He loved so well, through all his true life's span; Bless'd be his rest, who acted well his part, Who honor'd God in doing good to

man.

ALWAYS BRING RESULTS

LUXURIOUS LIVING.

A Feature of American Life that Explaine Some Things.

Collier's thinks it has discovered the secret of the "increased cost of living" in this country. "In 1899," says, "the number of riders on Pullman cars in this country was 6,000, 000; and they paid \$10,000,000 as the price. In 1908, a year of hard times, there were 18,000,000 riders, at a cost of \$30,000,000. A good deal of what called increased cost of living 'n this country is really increased demand for luxuries." Somewhat; but there are a few other things in the country besides palace sleeping-cars. The whole energy of the party of Mr. Taft is devoted to the genial task of increasing the cost of living. Those who wish to ride in palace cars may take their chances, but the "ultimate consumer," the man or woman that pays all the taxes levied by the government or exacted by faction, settles all bills. The sooner we realize this very elemental fact, the sooner the country will get upon a basis of common sense and reasonable economy and thrift.

The Smooth Way.

In the last generation Tyler Cobb, Esq., was a well-known citizen of North Bridgewater,-now Brockton,-Massachusetts. He was famous throughout Plymouth County, says a contributor to the Boston Herald, for his witty retorts and dry humor.

Never having taken a sea trip, Mr. Cobb one day conceived the idea of making a voyage to New York. Accordingly he sailed from Boston in a small schooner.

The first day out a storm was encountered and Mr. Cobb became violently sick, but after several hours he mustered up courage and strength to look out upon the troubled waters.

As he looked from the side of the little ship up the trough of the sea, it seemed very smooth to him. The captain's cutting of the waves was "senseless," he told himself.

But as this mad steering continued, the unhappy passenger finally crawled out, on hands and knees, to where the captain stood at the wheel, and raising his voice above the dine of waves and wind, shouted:

"Man, man, keep in the ruts, keep

Prehistoric California City. What is considered to be the most important archaeological find yet made in the state of California took place recently when a man discovered the ruins of a prehistoric city in the San Jacinto mountains, near the edge of the Cochella valley. There are more than 700 well-preserved stone

a large amount of earthenware. The discoverer's attention was first attracted to the place by a number of gashes in the mountain side, and on investigation he found a series of heaped up stones. He approached ancient city, the houses being built on terraces. An old road was found

Balzac by the Yard.

A well-known author not long ago some little time could not attract the "This is a question which may be attention of a clerk, all interest being

"And now, sir, you have almost completed a library of which you will be proud; but, of course, you will want Balzac?"

'Waal, I don't know, now. You see we're only got two feet and seven inches' space left," the old gentleman replied. "Go ahead and measure him, though, and if he isn't too wide I'll take him too," he added.

Pollen Travels Far.

The pollen from the pine forests often forms a yellow coating on lakes or on the ocean, as far as 200 miles from the shore, and has been mistaken by peasants for showers of sulphur. The pollen grains of the pine are provided with yellow vesicles, which buoy them up in the air very much on the principle of a box kite.

The World Moves.

There is no country in the world to-day in which you can be very happy if you care about politics and the progress of mankind, while there are many in which you can be very comfortable, if you occupy yourself simply with gardening lawn, tennis and true religion.-The late E. L. Godkin.

An Age of Kindness.

The progress of human sensibility is amazing; we give soldiers better food and lighter acoutrements, and less work to every one. The regime in prisons is milder; charity is ever lucreasing, and our children have less to do and longer holidays.

Soap Fruit.

There are several trees and plants rowing in the West Indies and in South America whose fruit makes a splendid soap, and is used in the washing of all the natives' clothes.— Home Notes.

March of Progress. Every institution is a scaffolding to better one. Do not overturn one until you are ready to erect another which, in turn, will be a scaffolding

for something nobler. Unsurveyed Land in Arabia.

The London Times of recent date shows that Arabia is considered as containing one of the most considerable areas of unknown land in exist. IMPERMEABLE CORKS.

Gelating Prevents Even Gases from Penetrating Them.

Referring to the manufacture of impenetrable corks for vessels contain-ing extracts, the Scientific American draws attention to the following process, taken from the Deutsche Destillateurseitung, for making corks abso lutely impermeable: Five per cent. of glycerine is added to a 5 per cent. solution of gelatine and the corks, which, of course, must be properly weighted, allowed to remain for several hours in the liquid. Care must be taken that the temperature of the bath is warm enough to retain the gelatine solution in a fluid condition. The gelatine fills up the pores of the corks, while the glycerine serves to keep the latter elastic. The corks remain in the bath till they are completely saturated, and are then allowed to dry in the ordinary way, no special method being necessary. Tightly-fitting corks, elastic and at the same time impenetrable even by gases, can be obtained by this pro-

A Busy Hollday. "Naw, I dont think Timmy'll be staying long on this new job he's took up wid," said Mrs. Herlihy. ""Tis too harrd fer him. Sure he gets no rist at all from Monda' mornin' till Sathurds' night, and 'tis not what the man's used to.

"He has his Sundays to rist in." hazarded the caller, boldly. "An' what o' that?" said Mrs. Herli-"On Sunda's he has to go to church, an' take the children to their grandmamma's, an' visit wid his

oosins an' all-'tis no rist at all." Twas wan day out of ivery fortnit he had wid the ould job, wa'n't it?" meried the caller.

"It was," said Mrs. Herlihy, "an twas a grand vacation he had. I'd save ivery bit o' the washin', an' he'd wring it out fine, an' hang it on the line for me: thin he'd saw an' shplit wood enough to last till the nixt vacaion day, an' he'd bate ivery mat in he house an' shine up the faucets an' he b'iler, an' wash the windys, an' there'd always be some little exthra nelp, drivin' nails or the like, he cud give me.

"An' whin he'd go to his bed ut night he'd niver fail to say to me, Well, Celia, my vacation day is over, but I feel like it's made me ready to go back to wurrk to-morrer,' he'd

A Boy Just the Same. Little curly-headed, four-year-old Ice had often been mistaken for a girl by reason of those same beautiful curls, but it was a very sore point with him. He came very near, however, turning it to advantage one afternoon when his six-year-old sister was giving a birthday party "for girls Poor little Joe wandered only." around the refreshments spread on the grass, gazing wistfully at the cookies and lemonade which his sister was serving to her little girl guests. "No, Joe, this party is only for little girls, and no boys can come." Then poor little Joe turned past taunts into an argument that would admit him, and wailed out, "Well, Titter, I ain't much of a boy, anyway."-The Delineator.

What is the Next Stop? In New Zealand an automatic device oss just been patented for telling railway passengers the name of the next station. The names of the various stations are printed on a roll, which is rotated by toothed wheels. A "tripper" is placed, either on the track or by its side, between each station, and this is so adjusted as to strike a lever on the passing car. The motion is communicated to the toothed wheels governing the roll bearing the station names, and the ringing of an automatic bell announces to the passengers the fact that the name of the next station is on view.

Overcoming the Difficulty. The time table of a south of France railway announces: "Half tickets for children are not issued on this line. In the case, however, of two children of one family traveling together a single ticket will be sufficient for the two. Should the family consist of only one child application should be made to the booking clerk, who will issue a portion of a ticket at a moiety of the usual fare."

Few Prizes, Many Blanks. Everybody writes plays nowadaysor wants to write plays, because a successful comedy or drama pays. Authors are apt to forget that the art of playwriting is one of the most difficult, and requires special and rare

Chinese Turning Out Good Guns. The new Chinese government arsenal at Canton now turns out rifles and quick-firing guns according to the best patterns, which are almost as good as those imported from foreign countries with regard to make and

Evidently a Clubman. A prominent man called to condole with a lady on the death of her husband, and conc. by saying: "Did he leave you v. much?" "Nearly every night," was the reply.—Tit-Bits.

Those Deserving a Monument. Those only deserve a monument who do not need one; that is, who have raised themselves a monument in the minds and memories of men.-

Testimeny from a Dry Country.

Physicians assert that modern business life is driving men to drink. In some of the Oregon counties they have to drive quite a distance.

REPORT OF THE CONDITION

## HONESDALE MATIONAL BANK

HONESDALE, WAYNE COUNTY, PA. At the close of business, Nov. 18, 1909.

209,856 tures
Due from National Banks (not
Reserve Agents)
Due from State and Private Banks
and Bankers, Trust Companies,
and Savings Banks.
Due from approved reserve
agents 51 8 

LIABILITIES, 148 72—1,492,703 39 None None None

Sai. Total..... \$1.932.887 93 State of Pennsylvania, County of Wayne, ss. I, E. F. Torrey, Cashier of the above named Bank, do solemnly swear that the above statement is true to the best of my knowledge and belief.

E. F. Torrey, Cashier.
Subscribed and sworn to before me this 19th day of Nov. 1809.

Correct—attest:

W. H. STONE, N. P.

Correct-attest: H. Z. RUSSELL, E. B. HARDENBERGH, J. C. BIRDSALL.

REPORT OF THE CONDITION

OFTHE

WAYNE COUNTY SAVINGS BANK

HONESDALE, WATER CO., PA. at the close of business, Nov. 6, 1909. RESOURCES

reserve agents...

Bills discounted not due, \$334,115 52

Loans on call with collateral...

Loans on call with collateral...

Loans on call upon one
name...

4,550 00 

\$2,886,340 93 LIABILITIES 84,143 35 serve agents. 11.891 54 Dividends unpaid. 66 00

State of Pennsylvania, County of Wayne, ss:
I, H. Scott Salmon, Cashier of the above named Company, do solemnly swear that the above statement is true, to the best of my knowledge and belief.
(Signed) H. S. SALMON, Cashier.
Subscribed and sworn to before me this 13th day of Nov. 1909. (Signed) ROBERT A. SMITH, N. P. [Notarial Seal]

Correct-Attest: W B. HOLMES, F. P. KIMBLE, H. J. CONGER.

For New Late Novelties -IN-

**JEWELRY** SILVERWARE WATCHES

Try\_ SPENCER, The Jeweler "Guaranteed articles only sold."

ARRIVAL AND DEPARTURE OF

Delaware & Hudson R. R. Trains leave at 6:55 a. m., and 2:25 and 4:30 p. m. Sundays at 11:05 a. m. and 7:15 p. m. Trains arrive at 9:55 a. m., 8:15 and 7:81 p. m. Sundays at 10:15 a. m. and 6:50 p. m.

Erie R. R.

Trains leave at 8:25 a. m. 2:48 p. m. Sundays at 2:48 p. Trains arrive at 1:40 and 8:08 Saturdays, arrives at 3:45 and leaves at 7:10. Sundays at 7:02 p. m.

PROFESSIONAL CARDS.

H. ATTORNEY & COUNSELOR-AT-LAW.
Office, Masonic building, second floor
Honesdale, Pa.

WM. H. LEE, Office over post office. All legal business promptly attended to. Honesdale, Pa.

E. C. MUMFORD,
ATTORNEY & COUNSELOR-AT-LAW,
Office—Liberty Hall building, opposite the
Post Office, Honesdale, Pa.

HOMER GREENE. ATTORNEY & COUNSELOR-AT-LAW.
Office over Reif's store, Honesdale Pa. A.T. SEARLE.

Office near Court House Honesdale, Pa. O L. ROWLAND, Office ver Post Office, Honesdale, Pa

CHARLES A. McCARTY. Special and prompt attention given to the collection of claims. Office over Reif's new store, Honesdale, Pa.

F. P. KIMBLE, Office over the bost office Honesdale, Pa.

M. E. SIMONS, ATTORNEY & COUNSELOR-AT-LAW, Office in the Court House, Honesdale,

HERMAN HARMES, ATTORNEY & COUNSELOR-&T-LAW.
Patents and pensions secured. Office in the Schuerhols building Honesdale. Pa.

DETER H. ILOFF. ATTORNEY & COUNSELOR-AT-LAW.
Office—Second floor old Savings Brak
building, Honesdale, Pa.

R. M. SALMON, ATTORNEY & COUNSELOR-AT-LAW Office-Next door to rest office. Formerl occupied by W. H. Dimmick. Honesdale, Pa.

Dentists.

DR. E. T. BROWN. DENTIST,
Office—First floor, old Savings Bank building, Honesdale, Pa.

Dr. C. R. BRADY, DENTIST. Honesdale, Pa. 1 Office Hours-8 a. m. to 5 p. m Any evening by appointment. Citizens' phone, 33 Residence, No. 86-X

Physicians.

DR. H. B. SEARLES, Office and residence 1019 Court street telephones. Office Hours—2:00 to 4:00 and 6:00 to 8:00. p. m.

Livery.

LIVERY.—Fred. G. Rickard has removed his livery establishment from corner Church street to Whitney's Stone

ALL CALLS PROMPTLY ATTENDED TO. FIRST CLASS OUTFITS. 75y1

## JOSEPH N. WELCH Fire Insurance

The OLDEST Fire Insurance Agency in Wayne County.

Office: Second floor Masonic Build-ing, over C. C. Jadwin's drug store, Honesdale.

If you don't insure with us, we both lose.

General Insurance White Mills Pa.



O. G. WEAVER, Graduate Optician, 1127% Main St., HONESDALE.

Footh

They are the kind that clean teeth without eaving your mouth full of bristles.

We recommend those costing 25 cents or more, as we can guarantee them and will replace, free, any that they defects of manufacture within three menths.

O. T. CHAMBERS.

PHARMACIST. Opp.D. & H. Stetlen. HONESDALE, PA.