

Some Scientific News.

Wherever the Romans penetrated they were sure to erect great baths. Recent excavations on an estate in Scotland have revealed the foundations of an immense bath with concrete floors and walls, lead-pipe connection, hypocaust and stove-hole with a flue extending from it, says The Architect. The foundations of the piers of the hypocaust are now displayed. The walls of the rooms are formed of stone and lime covered with strong concrete, with a polished surface and painted a brick-red color. The floors are all of concrete.

The study of languages by those who are not able to obtain actual instruction from the professor has always been hampered by the fact that notwithstanding the grammar might be mastered there was always trouble with pronunciation. This phonetic difficulty has been overcome by the International Correspondence Schools of Scranton, Pa. The system employed is highly interesting. For each student in the language courses is furnished with a phonograph. The instruction proper is given by mail. The lessons are dictated by the professors at Scranton, and the phonograph cylinders are sent to the students. The cylinders are not copies but "master records," so that they are so clear that the students are easily taught the correct pronunciation. The courses in the foreign languages are under the direction of Prof. David Perle-Palmeda, who will give instruction in German; Prof. Edouard Lamaze, who will teach French, and Prof. Antonio Liano, who will teach Spanish.

An attempt is to be made by the British authorities in Uganda to utilize the zebra for transport purposes in that country. It is contended that the characteristics of the animal render specially suited to that district, since it is naturally immune against the ravages of the tsetse fly and horse sickness. The plan suggested is the domestication of the adult animal. The young zebra cannot be reared apart from its mother and it is considered that if the animal were accustomed to the presence of man from its birth, in the course of a few years a large supply of zebras will be available for work.

Here is the way one man in New York would use Carnegie's millions:

"If I had \$275,000,000 to give away I would convert it into a fund the income to be used for the benefit of the aged and indigent men and women of Greater New York over sixty years of age who have no means of support. Many of these could and would support themselves if every avenue of employment, with few exceptions, were not closed to them because of their age. There are a multitude of men who in their younger days have by intelligence and faithfulness helped others along the road to success who are now penniless, many having wives dependent upon them. There are many widows of that class of men who are in need; also many women who have never married but who have lived the most unselfish lives, helping others through sorrow and trouble, who in their old age are left without means for their support.

It is true there are several homes for the aged, yet there are hundreds who cannot, by reason of some clause in their by-laws, gain admission to any one of them and there are many now waiting until there is a vacancy in some home for them, suffering in the meantime. For various reasons too numerous to mention here I would not build almshouses, chiefly because I think the majority of men and women would be happier if they could draw a stipulated sum of money monthly and be at liberty to live where and with whom they chose. The kindly, thoughtful man who died in Philadelphia last week and left \$2,000,000 for the benefit of the women teachers of that city left it for a most worthy cause but he did not stipulate that a home should be built for them. What a chance for Andrew Carnegie, who does not wish to die rich, to give 25,000 aged poor people the sum of \$300 annually and still have plenty to give for other worthy purposes, if it be true that his income is \$15,000,000 yearly.

The extra Bryan convention in Ohio should not have been held. Even though the regular convention failed to recognize the Kansas City and Chicago conventions the platform presented is a good one, full of important issues, one all democrats in that state should be able to unite on. Just now there is enough in the tariff, for all democrats and reformers generally to pull together on. It is time that this flying off the tangent every time something is done that does not just suit was stopped.

The government after a very long delay has begun proceedings to get the \$2,250,000 Captain Carter stole.

Watering stock should be made a crime. It is a crime against the people, a murdering of their interests. Talk of fat money, watering stock creates wealth by a mere stroke of the pen. Recently a few trust magnates made thirty or forty million dollars by simply changing the capital stock of a concern from \$33,000,000 to \$70,000,000.

Our Timber.

Washington, July 27.—Stirred up by the assertions of the agricultural department that a large part of the hot wave now prevailing in the west is due, directly or indirectly, to the destruction of the forests in that part of the country and to the north, it is probable that the people there will urge upon Congress at its next session advanced steps to preserve what forests are left and to plant others.

This whole subject was fought over towards the close of President Cleveland's term, not on account of the heat but on account of the floods and droughts that have always been charged up to the destruction of the forests. Mr. Cleveland realized the danger of the forest destruction and issued an order withdrawing from entry and sale 21,379,840 acres of timberlands in the west and northwest. This order was made upon the recommendation of the American Forestry association and the National Association for the Advancement of Science in order to preserve the forests from destruction and to secure a permanent supply of water for irrigation and manufacturing purposes in the arid regions.

For twenty-five or thirty years before, every secretary of the interior, every commissioner of public lands, every forestry association, every irrigation convention, and every scientist, economist and philanthropist, who has studied the great question of water supply has urged Congress to enact some law to spare and protect the trees in the western mountains, but it was not until 1891 that any attention was paid to their appeals. Through the influence of the American Forestry association a new policy was then adopted authorizing the president to reserve and set apart any portion of the public lands as a forest cover upon slopes and mountains to hold back the snow and rainfalls, to prevent rapid evaporation and to encourage the development of the timber supply. For many years the cultivation of artificial groves had been encouraged by a liberal bounty in lands, but no effective measures had been taken to protect the vast natural forests that clothed the mountains and sheltered the water courses of the west. Thousands of square miles of magnificent timber had been destroyed by unchecked fires and thousands more had been denuded by thieves, without any compensation to the government or a single thought of the consequence to future generations.

An appropriation of \$25,000 was placed at the disposal of the Association for the advancement of Science to enable experts to select the tracts to be reserved, and upon its recommendation President Harrison issued a proclamation withdrawing from entry and sale some 13,000,000 acres of lands.

Shortly after President Cleveland came into power he issued an order reserving the Cascade range in Washington, embracing 4,492,800 acres, and later he issued the other order referred to above.

At once the settlers and especially the lumber speculators of the northwest began an assault on the law, based upon short-sighted, temporary local interest. The strongest objectors were the railway companies, the miners and local lumbermen, who were enjoying the benefit of these timber tracts both lawfully and unlawfully, and who complained that the president's order would paralyze industry, retard immigration, and deprive the inhabitants of the regions adjacent to these reservations of the building lumber and fuel that they needed. In response to their demand Congress adopted an amendment to the sundry civil bill, suspending President Cleveland's proclamation for some nine months, at the end of which time President McKinley was to say what parts should be withdrawn and what restored.

When the time was up, President McKinley undid a good deal of the work of his predecessor, although he allowed the larger part to stand. If he had stood by President's order and extended it, instead of yielding to the demands of the men who were making fortunes by cutting the timber on which the prosperity of the country depended, it is probable that the present hot spell would not have been as widespread and disastrous as it has been.

An eastern horse, Creceus, recently trotted a mile in 2:23, the fastest trotting on record, and pretty close to the 2 minute gait, which has often been predicted. A few years ago when Flora Temple trotted a mile in 2:19 and a fraction it was thought a marvellous feat. She is now 14 years old and has trotted this and the bottom is not yet reached.

A prominent New Yorker says that to be really and truly happy a man must have money. That is good, for a man without money will either have to starve or beg, either of which is misery. As intended though, that a man must have millions, the statement is not correct, for everything goes to show that the greatest trouble exists among the rich. People in moderate circumstances are the happiest.

Before you mention the heat here just talk with some one who has recently been in the east, and our warm weather here will feel like a cool seppyr from the Pacific.

Saturday Night Thoughts.

A very pleasing decision this week was made by a judge who declared that when Hawaii became a part of the United States it was at once subject to the constitution of this country and should be governed by its provisions. It doesn't seem as if any sane man could think otherwise, and yet politicians are claiming all manner of things just for political purposes. It is as plain as the Three Sisters on a sunshine day.

The papers are about full of talk about Admiral Schley's investigation. The investigation is not to take place until the weather shall be suitable for the tender service of the committee. In the meantime it is not too hot for the public to give its opinion on the subject and this is being done in an emphatic manner. The result is that Admiral Schley is being thoroughly vindicated without any investigation, so much so that when the committee meets the investigation will be a farce.

The hot weather in the middle west has so affected the corn crop that the papers there are calling upon farmers to consider the propriety of more diversified farming. In short, corn has been king there and other things have been neglected. They are being advised to raise wheat and more fruit etc., things not affected by the heat. That has a familiar ring, only out here the farmers are being advised to raise more corn and cows and sheep and goats etc., instead of so much wheat. The lesson becomes the more emphatic in favor of diversified farming. The farmer should turn his attention to all things possible.

Over in Austria they are refusing admission to American merchants who wish to start some stores there. Well, now suppose in the United States we should refuse admission to Austrian and German and other merchants who wish to go in to business here wouldn't there be a stir. Instead of that everybody from a celestial up can do business anywhere in this country without any fear of disturbance. The truth is other countries are afraid of the enterprising Yankee.

Nothing displays the diversity of taste any more than the different places selected by people for their summer outing. One says there is no place quite like the equal of the seashore. Another poohoes the great briny ocean with its continual growl and speaks for the lofty mountain with its frisky deers and festive trout. Another wishes to sit down beside some mineral spring and drink and drink. Another prefers to go off to some big city and see the sights, and as well get a change and part with lots of change. After all wherever one goes it is the change that does the business if it is done.

The automobile is an aristocratic concern, the machine of the millionaire, with money to burn. One on the streets of Albany would be as lonesome as a dude in a desert.

It is a blind person who cannot see that something is wrong when American manufactured articles are sent to Europe and sold at a good profit for about half what they are sold for in the United States, made possible by the so-called protective tariff, which instead of being a protection to the people is an oppressor.

Bishop Henry L. Barkley returned to Oregon last Monday from attending the General Conference of his church in the State of New York. He was re-elected Bishop of the Pacific Coast States for another four years, having declined to accept a more populous and lucrative district in the East, on the ground that he preferred the West where the people are more civilized and the climate is better. He made a speech for Golden Rule Jones who was re-elected Mayor for a third term by 3300 plurality over the thoroughly organized Republican and Democratic parties, to the great disappointment of Hanna and his managers, who scored the Bishop severely in their newspaper organs for participating in politics. They never feel the halter draw with good opinion of the law. There are few if any better political speakers in the United States than Bishop Barkley. He goes to California this month to preside over the annual conference in that State.—Engene Journal.

The following tells of a great disadvantage of the automobile:

Charles Weedon of Islsworth, stated that he saw the prisoner's motor car coming along the road, not at a very quick pace but so carelessly steered and driven that it went in zigzag fashion. The reason for this was to be found in the fact that the prisoner had his arm around a young lady who was sitting beside him, and was kissing her. Accordingly he had only one arm to steer and drive with—his left. Witness saw the car dash into the back of the youth Cobbler, who had been walking slowly behind a baker's cart. Cobbler was knocked under the cart and the young lady was pitched out on top of him.

Diversified Farming.

Suggested by the ruin of the great corn crop, the St. Louis Republic talks diversified farming as follows:

If the drought drills one needed lesson into the minds and hearts of the farmers, it will not have been in vain. If it succeeds in teaching the owner of every quarter-section the value of the "side-products," Missouri will be the gainer in the end.

And there is good reason to believe that this will be one of the results of the long continued dry weather. Better than all the elaborate arguments of years are the comparative facts that the drought is bringing forth. The man with an early berry crop, a wheat crop, an orchard, with a few hives of bees next a clover field, and with a barn yard full of chickens on friendly terms with the pigs and calves is the man who has every cause to thank his foresightedness for not being in the fix of his less provident neighbor.

For the year 1901 will be remembered as the year when the "side-products" kept many a householder from feeling the effects of one of the severest droughts in the history of the state. Last year the value of the eggs and poultry shipped out of Missouri was about twelve and a half million dollars. If the lessons of this year are remembered, the value of exports from the chicken industry should be doubled.

This year will be remembered, in Missouri and in every western state, as the year when the man who diversified his crops could close the season's account to the good. The day has passed when a farmer is accounted the best because he can raise the best corn in the county, in spite of the fact that he can raise nothing else with profit in a good year.

Instead of one vast field, there should be two or three, each bearing a different crop and coming to fruition at different times. Instead of a herd of 2-year-olds, there should be stock ranging from the new-born calf to the fattened beef. While raising chickens or table use, there is "velvet" in raising three times as many more for city markets. If this lesson is learned, the drought losses may be turned into cash.

The Eugene Journal gets warmed up on the subject of Oregon weather as follows:

The people of the Willamette valley are just now enjoying their usual quota of genuine summer weather; such as can be found only in Old Webfoot. We do not except even California. Yet, within in our rambles around we meet all classes of people. The weather-crank is ever present, winter and summer. He is designated by the face he wears. In summer time he has the sun-goggles and feels and looks uncomfortable; in winter the sun-goggles are displaced and a dignified cloudy expression is noticeable. While the summer heat is very oppressive to a great many, it is quite agreeable to others, and they seem to make much of Old Sol's warm, genial smiles while they last, for he doesn't smile much in winter and if he does it is a cold, facial grin, or a tiny wink through some ruffle in the clouds. We could not or should we expect or wish for more delightful weather than these bright, sun-kissed days with the pleasant sea breezes from the west and northwest in summer as the Willamette valley. This breeze is noticeable here during the afternoons. Harvest hands in the fields do not notice the heat so much, although they always have an agreeable expectancy of the usual afternoon breeze.

Admiral Schley will become a great man before he gets through with this investigation. It looks as if he will be acquitted before the court of inquiry meets.

Whatever Grover Cleveland was as president he undoubtedly is a great fisherman and it is no small thing to really know how to catch fish enough to substantiate a fish story.

Whether a friend is a good thing or not depends entirely who the friend is.

A high tariff has built up the extortionate trust.

The following is not needed here, but it shows the leading subject in the East these days—the thunder storm; and tells how to act in case of one: "If out of doors keep away from trees, haystacks, houses, large sheets of water, river banks, etc. If in an open plain, where there are no trees or buildings, you are safer lying down than standing up. If near a wood, stay there, and do not go nearer. If near a single tall tree you are pretty safe thirty yards away. Indoors you are safest of all if you adopt Franklin's plan. Find the geometrical center of the room. Hang up a hammock by silken cords, get in and stay there. Failing a hammock, sit on one chair in the middle of the room with your feet on another, Bret placing beneath them a feather bed or hair mattress. But do not sit under the gas chandelier. Whether out of doors or indoors keep away from the chimney or from metallic masses of any kind. And possess your souls in patience."

Oregon salmon hereafter will be run by a New Jersey trust. Doesn't that jar you.

The hot weather east has been particularly hard on the potato crop and the price is already very high.

The report that W. R. Hearst is to start a paper in Portland is probably like Sales's gas we t.

The Salem papers claim that gas has been discovered at Salem. This isn't the first time gas has been discovered there.

For some reason or other the Boer war has not ended for several days. What is the matter of the newspaper correspondents.

The dispatches say that the British recently had to run from the Boers. That has a revolutionary day sound.

A big wheat crop will mean low prices; but a large crop in Oregon at even low prices will mean a great deal for the state.

Admiral Schley will come out of the investigation in a blaze of glory, with his colors flying.

Just now Astoria is decidedly in the swim from a financial standpoint, the immense run of salmon filling the coffers of her citizens.

The name of the yacht Constitution is evidently a hoodoo. The manner in which the present administration has treated the constitution has evidently been transmitted to the yacht.

Gossip is a very mean thing to do; but people will talk about the current events of the day and discuss them, and they have a right to do so. Wrong should be condemned and right commended.

A man from the middle west out here says he doesn't need to look any further than around Albany for a location. It suits him, and the prospects of this place are the best of any of the valley towns.

There is an immense field for investigation in the timber land frauds. Right in Linn county there is an opportunity for inquiry, a large amount of timber having been gobbled up by companies who have undoubtedly employed locators.

The valleys are what make this country, not the big peaks like Shasta and Hood. They are pleasing sight, but the valleys make the home. It is time that the railroads appreciated this fact.

In Eugene the postmaster, by advice of the special agent, has prohibited the local papers from publishing advertisements of gifts given by merchants or the date set for drawings or the winning numbers. This has been the postal law for years, and knowing it the Democrat has refused to publish anything pertaining to such things. Full particulars about the government's big lottery in Oklahoma may be given.

A man named Williams was arrested at Walla Walla for rape on a fifteen year old girl, tried and convicted and sent to the penitentiary four years, all within an hour and a half. That was one time when Justice took the badge off her eyes and waded in with sleeves rolled up.

The other day when the Pomona was coming up stream the other side of Salem Capt. Spang saw a cow stuck in the mud. He stopped the boat and with his crew got the bovine out of the mud to a safe place. Like a sponge full of water Capt. Spang's heart is full of kindness for all beings, and the man who treats a dumb animal well may be depended upon in the every day avenues of life.

Albany men are laying for the X-Ray man to poison or salmon him at the first opportunity. He was got into the Alce club the other day and generously treated to a temperance drink called lemon-sour from which he has not yet recovered. Hereafter he will travel up the west side whenever it is possible.—Salem Journal.

Good for the lemon-sour. We have been in hopes something in Albany would go for Hofer.

The following is one of the items that is going the rounds of the papers: A Lewiston girl named Jessie was sent to a famous eastern school and after a year's time wrote to her dad, signing "Jessie". In reply the old man wrote: "Dear Jessie: Your welcome letter received. Mammon and papapa are well, Aunt Mary and Georgia started for California yesterday. I have bought a new horse. It is a beauty. Its name is monica. Your brother Tomica is doing finely, and the hired girl is a peach."

Here is the way the Chicago Inter Ocean pictures life in Oregon: "Billy Camp's great happiness reminds me that his brother Edward is living an ideal life out in Oregon. He and his wife (who, as you may remember, was Miss Berenice Addison before her marriage, and a reigning belle) are roughing it near a place called Glendale, where they have a nest that they call a "cabin," but which is really a little fragment of Belvedere in the wilderness. Here, with horses and dogs for pets and the rough and ready natives for companions and the refinements of civilization tossed in between, they are contriving, so they confess, to find happiness, or something very like it. With a couple so admirably mated happiness should not be far to seek, but their friends here claim that they went a long way to look for it. They have been away nine months now but may come back some time. You can't tell.

A Revolution. WILMESTAD, Island of Curacao, July 21.—Dr. Kangel Gradiras, at the head of 5000 men, has revolted against President Castro of Venezuela. The insurgents are near Antonio de Tachera, on the Colombian frontier. The Venezuelan government has sent 10,000 troops to the scene of the uprising. Other outbreaks are expected. The whole country is ready to rise against President Castro. Constitutional guarantees have been suspended and complications with Columbia are feared.

The Oklahoma Lottery. EL RENO, July 31.—Thousand one hundred names were drawn from one wheel in the great United States land lottery today, making a grand total of \$700. Tomorrow the list of prize-winners will be completed. The drawing of numbers will continue on the platform north of the Irving school building until about 10,000 names for each land district have been drawn from the wheels, making a total of 20,000 names.

The Salmon Trust. PORTLAND, Aug. 1.—Over \$5,000,000 will be distributed by the Portland banks in the next eight days in closing the deal by which the Pacific Packing & Navigation Company secures control of 26 salmon canneries on Puget Sound and in Alaska. K. Onifroy, who has succeeded in organizing the trust after four years of steady effort, arrived yesterday. As associates in the final details of arrangements, who will reach Portland this morning will bring \$3,000,000 in exchange.

Held Up. CHICAGO, July 31.—The Baltimore & Ohio passenger train from the East, which was due to arrive at Grand Central Station, here, at 9 p. m., was held up by 5 masked men at 8 o'clock tonight between Edgemoor and Grand Calumet Heights, Ind., 31 miles out from Chicago. One of the mail cars, which contained no money, was dynamited and wrecked. Nothing was secured.

A New Party. COLUMBUS, July 31.—The "Progressive Democratic party" was organized here today. The attendance was so small that many doubted up to 1 p. m. whether any attempt would be made to hold a state convention.

An Anarchist Arrested. ZURICH, Switzerland, July 31.—An anarchist named Gallotti was arrested at Viedikon last night by order of the Prosecutor-General on information received from Paterson, N. J. Many documents were found at his lodgings. He had been selected to kill the Czar.

A Just Decision. HONOLULU, July 28, via San Francisco, Aug. 1.—The Constitution of the United States preceded the flag in Hawaii, according to a decision just rendered by Circuit Judge George D. Gear of the First Circuit. He has already released, on habeas corpus petitions, three prisoners, sentenced for infamous crimes after the resolution of annexation passed Congress and was signed by President McKinley, on the ground that they were not convicted by a unanimous verdict of 12 jurors.

Afraid of the United States. VIENNA, Aug. 1.—The Fremdenblatt publishes an interview with Herr Bitza, chairman of the Shoemakers Guild on the project for opening American retail shoe shops in Austria. Herr Bitza says the Americans can sell 39 per cent cheaper than the local makers. The excitement, among the latter increases and violence is talked of if the projected shops are opened.

Maryland Democrats. BALTIMORE, Aug. 1.—The democratic state convention, which met here today, declared that the purpose of the party, if successful in the election, is to eliminate the negro from politics in Maryland if such a thing be possible under the constitution of the state. Under this paramount issue of the campaign will stand the candidates nominated today for state offices. Governor dictated the platform which ignores national issues.

Bil Firm Suspended. CHICAGO, Aug. 1.—Board of Trade and business circles generally were startled today by the announcement that the George A. Phillips Co., which became famous through its pool operations in the Chicago corn pit during the past year, had transferred all its open trades to McKim, Alden & Co. It was at first rumored that a large defalcation had been discovered in an examination of the books but this proved untrue.

Morgan's Refusal. PITTSBURG, Aug. 1.—The Commercial-Gazette will tomorrow say: The Amalgamated executive board last evening received by telegraph a flat refusal from J. Pierpont Morgan to reopen the wage conference where it was broken off at the Hotel Lincoln, nearly three weeks ago. This undoubtedly means that the strike will go on.

Trust Style. NEW YORK, Aug. 1.—There was another advance today of 10 cents a ton in the price of coal sold to the retail dealers. The advance has been made each month in April, May, June and July. This means a total advance of 75 cents a ton up to September 1.

A former Portland teacher, afterwards superintendent of the public schools of Salt Lake City, has been promoted to the superintendency of the school at John Day, somewhere in eastern Oregon.

A Eugene man in the city this morning was throwing cold water on Albany, but it fell off without chilling any one. Albany is all right without a \$50,000 annual graft from the state, and is going ahead in a healthy way. It is the most promising city in the valley, regardless of the privations of the citizens of the jealous neighboring towns.

Mr. Wilson, secretary of agriculture, thinks the reason of the drought in the east is due to the stripping of the land of timber and leaving large tracts of open land. It is claimed that the forest is conducive to rain. But really is this the reason? Perhaps not. The sun draws up what water it can get hold of and it must come down somewhere according to atmospheric conditions. Why is there twice as much rain at Astoria as there is in places in this valley where there is just as much timber?