

SCIENTIFIC MISCELLANY.

OZONE AS A GERMICIDE.

In some experiments with ozone as a curative agent, an English lady, so far advanced in consumption that her case appeared hopeless, has been treated with inhalations of this gas, with results described as marvellous. After a few months' treatment, the appetite was regained, the sleep calm and refreshing, and there was a very good prospect of recovery. The ozone was prepared by passing a stream of oxygen through the current of an induction coil, and was administered with atmospheric air in the proportion of one in five. The experimenter has reached the conclusion that the ozone treatment is specially applicable to all germ diseases.

AN ANCIENT HOME.

The primitive man may be said to be absolutely unknown, and it was not until after they had made considerable progress toward civilization that our prehistoric ancestors left works by which we have learned something of their rude life. This picture of the miserable home of the ancient European who, for a considerable period, dwelt in caves, or even mere sheltered places among the rocks, has been drawn by Prof. N. Joly, of Toulouse: In this rocky retreat he took his meals, and allowed the remains of his food, uninviting to our fastidious palates, to collect. The flesh of the mammoth, of the great cave bear, of the amphibious rhinoceros, of the horse, the aurochs, the reindeer, the fox, and, doubtless, also wild fruits and roots, formed his staple diet. Usually the flesh of the animals was eaten raw; but fire had long been known, and even pottery had been invented, and was used for culinary purposes. Hunting was his principal occupation. Armed with the stone axe or mace, with the flint-headed lance, javelin or arrow, he boldly attacked the animals, often of colossal size, which then peopled our lands, and of which many have long since disappeared. He clothed himself in their skins, which he had early learned to smooth with the scraper, to soften and prepare with fat or marrow, and later by means of a stone polisher. During the reindeer age fish were procured with a barbed harpoon, and the shooting of birds was no longer neglected. The bones and teeth of the reindeer and of contemporary animals were used in the manufacture of weapons and tools, and even articles of luxury and ornament. The arts of design were born; and the reindeer hunters of Perigord and the bear hunters of the Pyrenees employed their leisure in carving their weapons and in drawing or engraving on wood, bone and ivory the figures of the animals, and even their own image.

WIND AND ELECTRICITY.

The same wind that bears the mariner toward a rocky coast has been forced into service to warn him of his danger. At a station near the mouth of the Seine a windmill is made to drive a dynamo, the electricity produced being stored in suitable batteries, and afterward employed for lighting beacons to guide the seamen. Possibly the windmill dynamos might be adapted to domestic purposes.

In the early forms of electric incandescent lamps the filament was of platinum, and it was noticed that a thin film of the metal soon formed on the inside of the glass bulb. In recent investigations Dr. Alfred Berliner has found the phenomenon to be due to the tearing away of solid particles by the vio-

lent emission of gases the platinum had absorbed. Parisian physicians are interested in a new spectrocope, the invention of Dr. Henocque, for investigating the changes of the blood in patients. It is being applied to the study of the phenomena of nutrition, and is expected to prove an important instrument.

Prof. Poel, of St. Petersburg, has found fifty per cent. of petroleum in the cod liver oil sold by one druggist, the adulterated article having the taste, smell and appearance of the genuine. Mineral oil is also frequently found in olive oil.

The fourth session of the International Geological congress will be held in London from September 17th to 25th. The previous meetings were held in Paris in 1878, Bologna in 1881, and Berlin in 1885. Diarrhoea and stomach pains having been detected as a result of eating mouldy bread, it is suggested that this may often be the unsuspected source of diarrhoea.

There are thirty-seven tunnels of more than 1,000 yards in England, the longest being that of the Severn—7,664 yards.

DEMOCRATIC STATE CONVENTION.

A democratic state convention for the state of Oregon is hereby called to meet at Pendleton, Umatilla county, on Tuesday, April 3, 1888, for the purpose of nominating a candidate for member of congress, a candidate for judge of the supreme court, six delegates to the national democratic convention, and six alternates; to ratify the various district nominations, and such other business as may properly come before the convention.

Said convention will be composed of 155 delegates, apportioned to the various counties on the vote cast for candidate to congress at the election of 1886, being one delegate for each county and one for every 200 and fraction over 100 votes cast. In accordance with said apportionment, the respective counties will be entitled to the following representation:

Baker	5	Linn	9
Benton	6	Mallheur	2
Clackamas	7	Marion	9
Clatsop	5	Morrow	4
Columbia	3	Multnomah	17
Cook	4	Polk	5
Crook	4	Tillamook	2
Curry	2	Umatilla	8
Douglas	6	Union	8
Gilliam	3	Wasco	6
Grant	5	Washington	5
Jackson	7	Walla	2
Josephine	3	Yamhill	6
Klamath	3		
Lake	2	Total	155
Lane	7		

The committee respectfully recommends that the county conventions for the election of delegates to the state convention, unless otherwise ordered by the local county committee, be held on Saturday, March 24, 1888. B. GOLDSMITH, Chairman Democratic State Central Committee.

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Stoves and Tinware! R. P. UNGERMAN, HAS JUST RECEIVED A LARGE AND well-selected stock of Stoves and Tinware, and proposes to sell cheaper than any house in the county. Everything kept on hand and repairing done satisfactorily, and without delay. Sept. 29, 1887. LAFAYETTE, OREGON.

WISDOM'S Sure Death! To Squirrels and Gophers! Made by a new process, never fails to give satisfaction. Every can warranted or money refunded. THE CHEAPEST, because the best. Prepared in such a way that squirrels eat it in preference to green grass, etc. Over 50,000 cans sold last year. Ask your druggist or dealer for it, and take no other. 30 43

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Narrow Gauge System. Oregonian Railway, L'd. Line. Portland & Willamette Valley R'y. Until further notice trains will arrive and depart from Lafayette as follows, to and from Portland.

LEAVE	MAIL	LEAVE	
Portland	7:30 a.m.	Abbe	11:30 a.m.
Dundee	8:30 a.m.	Sherridan	2:04 p.m.
Lafayette	10:04 a.m.	Lafayette	3:25 p.m.
Sheridan	Jun 11 55 p.m.	Dundee	4 p.m.
Airline (arriv)	2:27 p.m.	Portland (ar)	6 p.m.

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Notice of Final Settlement. Notice is hereby given that the undersigned Wirt Laughlin and H. M. Roberts, joint administrators of the estate of Morris Griffin, deceased, have filed their final account of the administration of said estate in the county court of Yamhill county, Oregon, and said court has fixed Tuesday, May 8th, 1888, at the hour of 10 o'clock in the forenoon of said day at the county court room at Lafayette, Oregon, as the time and place for hearing the same.

Notice of Final Settlement. Notice is hereby given that the undersigned J. C. Goesser, administrator of the estate of Amy C. Goesser, deceased, has filed his final account of her administration of said estate in the county court of Yamhill county, Oregon, and said court has fixed Tuesday, May 8th, 1888, at the hour of 10 o'clock in the forenoon of said day at the county court room at Lafayette, Oregon, as the time and place for hearing the same.

Notice of Final Settlement. Notice is hereby given that the undersigned Lydia S. Miller, executrix of the estate of Lydia S. Miller, deceased, has filed her final account of her administration of said estate in the county court of Yamhill county, Oregon, and said court has fixed Tuesday, May 8th, 1888, at the hour of 10 o'clock in the forenoon of said day at the county court room at Lafayette, Oregon, as the time and place for hearing the same.

Notice of Final Settlement. Notice is hereby given that the undersigned Lydia S. Miller, executrix of the estate of Lydia S. Miller, deceased, has filed her final account of her administration of said estate in the county court of Yamhill county, Oregon, and said court has fixed Tuesday, May 8th, 1888, at the hour of 10 o'clock in the forenoon of said day at the county court room at Lafayette, Oregon, as the time and place for hearing the same.

Notice for Publication. LAND OFFICE at Oregon, March 28, 1888. Notice is hereby given that the named settler has filed notice of his claim for said land in support of which that said proof will be made before the clerk of Yamhill county, Oregon, on Tuesday, May 1st, 1888, viz: Leonard E. Sams. Homestead entry, No. 4267, for the half of northwest quarter of section 32, T. 2 S., R. 2 W. He names the following witnesses to his continuous residence upon, and cultivation of said land, viz: Patrick Doughney, John A. George, Braithwaite, Chris. Littlejohn, North Yamhill, Oregon. W. T. BURNETT, Register.

Notice for Publication. LAND OFFICE at Oregon, March 28, 1888. Notice is hereby given that the named settler has filed notice of his claim for said land in support of which that said proof will be made before the clerk of Tillamook county, Oregon, on May 8th, 1888, viz: Merriman Folsom. Homestead entry No. 4471, for the e. 1/2 of s. 4 section 22, T. 2 S., R. 2 W. He names the following witnesses to his continuous residence upon and cultivation of said land, viz: Joseph Birxy, B. H. Bunn, Geo. W. G. T. McKinley, all of Hebo, Oregon. W. T. BURNETT, Register.

Executor's Sale of Real Estate. Notice is hereby given that pursuant to order of the county court of Yamhill county, Oregon, duly made and entered at March 6th, 1888, the undersigned and executor of the last will and testament and estate of line Fulquartz, deceased, will by the said order on

Notice of Final Settlement. Notice is hereby given that the undersigned Norris H. Perkins, administrator of the estate of John Perkins, deceased, has filed his final account of his administration of said estate in the county court of Yamhill county, Oregon, and said court has fixed Tuesday, May 8th, 1888, at the hour of 10 o'clock in the forenoon of said day at the county court room at Lafayette, Oregon, as the time and place for hearing the same.

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