

*Nickel Ore from Piney Mountain, Douglas Co., Oregon.*(By J. W. HOOD, M.D. *San Francisco Bulletin*, June 20th, 1882.)

[Read October 24th, 1882. Abstract.]

THE Oregon Nickel is found in two varieties, which analysed prove to be almost identical with the ores from New Caledonia—Garnierite and Noumeite—and occur under precisely the same geological conditions.

## Comparative analyses of Oregon and New Caledonian Nickel Ores:—

	Oregon ore.	Oregon ore.	Garnierite.	Noumeite.
	A.	B.		
Silica ... ..	48·21	40·35	47·23	47·90
Alumina and Iron				
Oxides ... ..	1·38	1·33	1·66	3·00
Nickel Oxide ...	23·88	29·66	24·01	24·00
Magnesia ... ..	19·90	21·70	21·66	12·51
Water ... ..	6·63	7·00	5·26	12·78

*Oregon Ore, A.* Amorphous—Hardness, 2·5; S.G. 2·45; colour, pale apple green, becoming lighter by exposure. Adheres to tongue; not unctuous. Does not fall to pieces when placed in water.

*Oregon Ore, B.* Amorphous— $H=2-2\cdot5$ ; S.G. 2·20; colour, dark apple green, becoming lighter by exposure. Adheres to tongue; unctuous. Falls to pieces in water.

*Garnierite.* Amorphous— $H=2-2\cdot5$ ; S.G. 2·27; colour, apple green. Adheres to the tongue; not unctuous. Falls to pieces in water.

*Noumeite.* Amorphous— $H=2\cdot5$ ; S.G. 2·58; colour, dark apple green. Does not adhere to tongue; unctuous. Does not fall to pieces in water.