

VII.—*On a Natural Alloy of Silver and Copper from Chile.**By* MR. FREDERICK FIELD.

The alloy was taken from a mine about twenty leagues east of Coquinbo, and six from the Cordillera of the Andes.

It was perfectly free from oxygen, sulphur, &c., and other substances usually found combined with metals in nature, having exactly the appearance of an artificially smelted product from a copper furnace. 100 grs. taken from the centre of a large mass, was found to contain, on analysis :

Copper	.	.	.	.	.	.	98.91
Silver	.	.	.	.	.	.	1.09
							<hr/>
							100.00

The quantity of silver, however, was very variable. One portion of the alloy had almost a whitish appearance, and, on being separated by the chisel and analysed, gave :

Copper	.	.	.	.	.	.	92.40
Silver	.	.	.	.	.	.	7.60
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							100.00

I have a large specimen, weighing more than a pound, which I hope to have the pleasure of sending to the Society's Museum by the first opportunity.

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Feb. 18, 1850.

The PRESIDENT in the Chair.

The Rev. Bath Power and H. Yates Finch, Esq., were elected Fellows of the Society.

The following Papers were read :

“ On some Salts of Chromic Acid,” by Mr. J. Danson.