

SUPPLEMENTARY NOTE ON CHALCOMENITE

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The author has had the privilege, through the kindness of Professor J. D. H. Donnay, of examining the notebooks and measured crystals left by the late Dr. H. Ungemach. Among these crystals are three of chalcomenite from a third locality, Sierra de Umango, Argentina. Ungemach had adopted for these crystals, elements corresponding to those proposed by me in a recent paper.¹ His values differ slightly:

	Ungemach	Palache
$a:b:c$	0.7274:1:0.7998	0.7325:1:0.8077

He found the forms (010), (101), (120), (110), (011) and (111), all reported by me; and two additional forms (112) and (121). I remeasured Ungemach's best crystal and confirmed all his forms including the new ones.

	<i>Measured</i>		<i>Calculated</i>	
	ϕ	ρ	ϕ	ρ
$h(112)$	54°37'	34°30'	53°46½'	34°21'
$k(121)$	35 18	63 57½	34 19	62 55

The measurements are, on the whole, inferior to those obtained on the Hiaco crystals; the distribution of faces, however, confirms the sphenoidal symmetry found in my work.

I feel it a pleasant duty to put on record this prior determination by my valued friend of the true symmetry of this rare species. Dr. Ungemach's notes covering several thousand crystals of hundreds of minerals are rich in observations which it is hoped may in large part be published from time to time.

¹ Palache, Charles, Chalcomenite from Bolivia; *Am. Mineral.*, vol. 22, pp. 790-795, 1937.