437.

DÉMONSTRATION NOUVELLE DU THÉORÈME DE M. CASEY PAR RAPPORT AUX CERCLES QUI TOUCHENT À TROIS CERCLES DONNÉS.

[From the *Annali di Matematica pura ed applicata*, tom. I. (1867), pp. 132—134.]

THIS is in fact the investigation contained in the paper 414, "On Polyzomal Curves otherwise the curves $\sqrt{U}+\sqrt{V}+$ &c. $=0$," Annex II. pp. 568—573, "On Casey's theorem for the circle which touches three given circles," viz. it is based on the identity of the two problems 1° to find a circle touching three given circles, 2° to find a cone-sphere (sphere of radius zero) passing through three given points in space.