

41° C. It is dissociated slowly in the air. With hydrochloric acid the base gives a dihydrochloride, $C_{13}H_{24}N_2O \cdot 2HCl$; the platinum salt and good salt have also been obtained. Besides this, another base has been isolated, having the composition $C_8H_{15}NO$, which gives an acid when oxidised by chromic acid; this has the formula $C_8H_{11}NO_2$, and is called hygrinic acid. This latter, on distillation, splits up into CO_2 and a methyl-pyrrolidine, $C_5H_{11}N$, a powerful base which resembles conine or nicotine in odour and the fumes of which occasion intense headache. It does not give the same substitution bodies as piperidine and appears to be a tertiary base of the constitution, $C_4H_8N-CH_2$.—*Berichte*, 1897 (28), 578 (30), 1113.

BUTTER AND MARGARINE.—J. Hoffman finds that when a drop of ten per cent. ethereal solution of butter is allowed to fall from a height of one-half millimetre on to a sheet of

glass, it leaves a circular residue which always has a crenate margin whereas margarine similarly treated leaves a spot of fat with a, markedly serrate edge. By adding ten per cent. of absolute alcohol to a twenty per cent. solution of butter and of margarine, and allowing drops to evaporate, the distinction is still more marked. In the case of butter an unbroken fatty residue with a crenate edge is left, while margarine only leaves an aggregation of scattered oil globules. The author also finds that butter gives a notably higher percentage of fatty bodies soluble in pure alcohol than margarine.—*Chem. Zeit.*, xxi, 571.

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