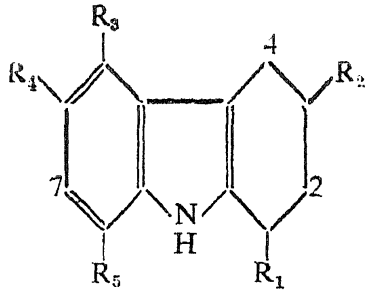
TABLE II

*Substituted tetrahydrocarbazoles**



Compd. No.	R_1	R_2	R_3	R_4	R_5	C_1-CH_3	C_3-CH_3	H-5	H-6	H-7	H-8
XIV	H	H	H	Br	NO_2	..	..	7·65,d, J = 2	..	7·93,d, J = 2	..
XV	H	H	Cl	H	NO_2	..	..	..	7·01,d, J = 8·5	7·90,d, J = 8·5	.. ..
XVI	CH_3	H	Cl	H	NO_2	1·18,d, J = 6	..	..	7·01,d, J = 8·5	7·90,d, J = 8·5	..
XVII	H	CH	Cl	H	NO_2	..	1·00,d, J = 5·5	..	7·01,d, J = 9	8·05,d, J = 9	..
XVIII	H	H	H	NO_2	H	..	..	8·28 d, J = 2	..	7·96,dd, J = 2,9	7·23,d, J = 9
XIX	CH_3	H	H	NO_2	H	1·16,d, J = 6	..	8·40,d, J = 2	..	8·06,dd, J = 2,9	7·30,d, J = 9
XX	H	H	Cl	Cl	NO_2	..	..	..	..	8·00,s	..

* NMR spectra recorded on Varian A-60 D instrument using TMS reference and $CDCl_3$ as solvent. The chemical shifts are expressed in δ units with J values in Hz.

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A NOTE ON TRANSAMINASES IN THE RIPENING OF BANANAS ON STORAGE

TRANSAMINASES catalyze the reactions involving the transfer of an amino group from an alpha-amino acid to an alpha-keto acid. Leonard and Eurris[1] reported the presence of transaminase activity in various plants and plant tissues. Schales and Schales[2] gave indirect evidence for the presence of transaminase in 42 different plants and plant organs. The present study reports the variation of aspartate-alanine amino-transferase during the ripening of different varieties of banana, *viz.*, Basrai, Harichal, Lalkel (variety of Musa Cavendishii), Rajeli, Safed velchi (variety of *Musa paradisiaca*) at 13° C.

In order to get banana bunches of uniform maturity, nearly 100 banana plants were tagged at the time of inflorescence emergence, in a nearby banana plantation. From these lots, two bunches each of uniform development were harvested at 100 days after the inflorescence