

CHEMISTRY

Chairman: FREDERIC SCHMIDT, Indiana University

KEITH WHITE, Hanover College, was elected chairman for 1963

A Quantitative Application of Thin Layer Chromatography: Assay of Tryptamine. ROBERT M. BROOKER and JOHN N. EBLE, Indiana Central College and Pitman-Moore Company.—The movement of the tryptamine front has been found to be proportional to the quantity in the range of 0.025 to 2.0 micrograms on Kieselguhr thin layer chromatography plates developed with acetone. An assay method utilizing this phenomena is described which is sensitive to 0.10 microgram of tryptamine per milliliter of plasma. It is suggested that appropriate modification of adsorbent and developing solvent should result in other uses for this convenient, rapid and simple technique.