

IV. ELECTRONIC INSTRUMENTATION*

Academic and Research Staff

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A. STATUS OF RESEARCH

We have concentrated our work primarily on the development of a temperature sensing and controlling device for the desorption spectrometer that is being designed by R. Donnelly and K. McNulty of the Department of Chemical Engineering, M. I. T. The unit will set the resistance of a filament according to data supplied by a curve-following programmer. The unit will supply 25 V at as much as 25 A to heat a wide range of filaments. The system is being designed for an accuracy of approximately 1%. All electronics equipment has been finished and final construction is under way. The unit should soon be operational.

Some work has been done on circuitry for the Department of Chemistry, M. I. T. , and on construction of two diode-display units.

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