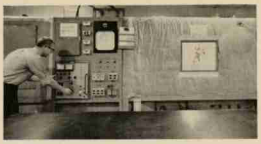
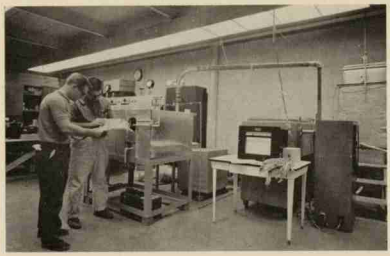
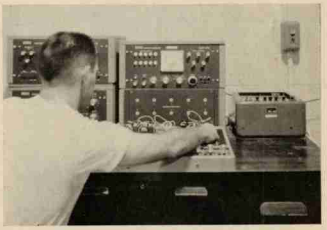


Fundamentals of electrostatic dusting

Quantitative description of man-machine operations points to advances in design specifications



Experimental procedures for analyses derived from irreversible thermodynamics



Mathematical models are explored with this analog computer

N. C. State College Announces New Agricultural Engineering Building

IN announcing the recently completed Agricultural Engineering Building at North Carolina State College it was revealed that a foremost consideration in designing the new facility was to anticipate the ever increasing tempo of a dynamic agriculture. Result: a facility that appeals to the spirit of change throughout the entire broad spectrum of Agricultural Engineering in a Land-Grant College system.

Its 80,000 square feet in offices, laboratories and classrooms are arranged to emphasize experience, logic and experiment in the complementary functions of teaching, research and extension.

According to F. J. Hassler, head of agricultural engineering department, the building's completion was especially timely, in view of the profession's increasing role in meeting the expanding needs of engineering service to modern power farming.

The department is staffed with 30 tenured faculty; eight secretaries; one draftsman, artist-draftsman and electronic technician each; two laboratory technicians; a supervisor and four mechanic-technicians to operate a well-equipped research shop. The range of talent and interests embodied in this staff accentuates, not only, education and training through the Ph.D. degree, but also, research for fundamental discovery, formulation of principles, pilot scale testing, prototype design, field evaluation and instruction on commercial use by extension education.

The undergraduate enrollment in Agricultural Engineering at North Carolina State College has been on the increase since 1959; for 1962-63 there are 62 in the professional curriculum, 34 in technology and 55 in the two-year program of equipment sales and service. Graduate study has developed to a current enrollment of 32 students, equally divided between M.S. and Ph.D. degree programs.

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