

## Growth Rapid For Industrial Engineering

By JAMES SIZEMORE  
Battalion Special Writer

Productive labor are the key words for the Department of Industrial Engineering at Texas A&M. Their importance is apparent in the recently rapid growth of the department.

Dr. A. W. Wortham, department head, said the past year's increase has made the department one of the fastest growing on campus. He points to progress such as new personnel, building and courses, research programs and a stepped-up graduate program.

Four full-time doctorates are on the staff, with one or two more to be added by September.

Dr. Glen Self joined the department last September, and two others — Dr. J. M. Nash and Dr. D. D. Drew — joined the doctorate ranks in January. Wortham comes to the department from Texas Instruments where he was manager of advanced planning. A number of staffers with master's degrees have been added, including some who went to work immediately after receiving their degrees here.

Wortham explained it is not the quantity, but the quality in education and background which has been a welcome addition to the department. He points out Leonard R. Lamberson, who has a master's from North Carolina State and a background of work with General Motors.

The department will soon occupy all the third floor, part of the first and most of the basement in the Space Science Building now under construction adjacent to the Data Processing Center. The Center is, itself, a part of the Department of Industrial Engineering, and is the finest such installation in the Southwest — possibly the nation.

The growing use of computers has necessitated addition of some of the five new courses now offered by the department in operations research, including linear programming, non-linear programming, mathematical model building and simulation techniques.

The department has also become very active in research. A two-year, \$45,999 contract with NASA titled "Study for Probabilistic Long-Range Planning" currently involves seven department staffers:

Clifford Trimble — Space Material; Jim Koonce — Probabilistic Manpower Consolidations; Hubert Jones — Manpower Costs; Jack Doyle — Project Selection and Smoothing; Bob Bowman — Manpower Acquisition and Termination; Rick Letk — Long Range Planning Model and Application, and Dale Peterson — Forecasting Budgetary Limitations.

A \$51,103 cost research grant, also with NASA, has involved four more people:

Grady Haynes — Utilization of Subjectively Determined Data in Mathematical Models; Sid Brown — Runout Costs for Future Spacecraft; Jack Britain — Selection of Weighting Factors in Mathematical Models, and Bill Cooke — Estimation of Parameters.

In addition to these programs, proposals for \$300,000 to finance proposed research programs are scheduled.

The graduate school represents one of the largest graduate enrollments in the university. Of the 100 graduates enrolled in the department, 90 are in Computer Science.

Graduates in industrial engineering have increased from one to 15 in the past year, all of which are in the master's program. The department does not yet offer a doctorate, but one may be available in the next year or two.

All this growth testifies to productive labor and is representative of the growth in many departments which makes A&M more and more of a research and education center for the Southwest.

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