

# NEWS RELEASE

THE UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL SCHOOL AT DALLAS



FRANK CHAPPELL *Director of Medical Information*

BOB FENLEY *Science News Editor*

FOR IMMEDIATE RELEASE

DALLAS -- The expansion program of The University of Texas Southwestern Medical School at Dallas will get under way this winter with start of construction on the new \$4,864,000 McDermott Basic Sciences Research Center, Dr. Charles C. Sprague, Dean, announced today.

The new building will house the research programs of Southwestern's Departments of Anatomy, Physiology, Biochemistry and Pharmacology.

Architectural plans have been completed and bids will be sought shortly, Dr. Sprague said. Architect is George L. Dahl. The McDermott Bldg. will be financed by a gift from Mr. and Mrs. Eugene McDermott of Dallas, supplemented by federal and state funds.

The building, of modern concrete design, will be erected immediately west of the present school buildings on the campus at 5323 Harry Hines Blvd., adjoining Parkland Memorial Hospital.

more

first add expansion

Planning already has begun on several additional buildings to be erected within the next four years. These will include the Florence Bioinformation Center, new administration quarters, a teaching and classrooms building, cafeteria and faculty lounge, and an auditorium.

Total cost of these additional structures is estimated at more than \$17,000,000. The Florence Foundation already has provided \$1,000,000 toward the costs of the new information center. It will house the computer operations, library and audio-visual programs of the school.

An immediate project, due for completion in 1969, is an addition to the present Cary Bldg., to provide temporary housing for the computer center pending completion of the Florence Bldg. Also due in 1969 is an addition to the Physical Plant Bldg. on Medical Center Drive that will provide administrative office space, pending completion of the new administration building.

Meanwhile, planning is proceeding for still more new buildings on the Dallas campus, as a part of the long-range program to expand Southwestern into a life sciences center, training students in many allied health sciences as well as in medicine.

"Flexibility is the keynote in the design of the McDermott Bldg." Dr. Sprague declared.

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second add expansion

"Utilities and other permanent installations will be housed in a central core unit, leaving the bulk of the floor space readily adaptable to changing research needs. Interior walls will be so designed that they can be rearranged as the need for space for specific projects expands or contracts in the future."

The building is a large, functional workshop in which a wide variety of studies into many aspects of these important basic life sciences will be carried out, the dean said.

A feature of the building will be the hexagonal utility core at the southwest corner. The core will house elevators, rest rooms, offices for department heads and animal holding units. By centering most of the basic utility functions in the core, maximum flexibility is retained for using the floor space of each level for laboratories and offices as needed.

Each of the four main levels will contain an 8-foot wide utility corridor down the center of the building. This corridor will house plumbing, drains, electrical wiring and other basic needs of the laboratory functions of the research projects.

A listing of the research areas to be included in the new structure provides a brief picture of the widely varied types of investigations that will be made possible or enhanced by the McDermott Bldg., Dr. Sprague pointed out.

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third add expansion

In the Anatomy Department, the research areas will include general anatomy, electrophysiology, autonomic neurophysiology, histology, histochemistry, electromyography, fluorescence and electron microscopy, neuroanatomy, tissue culture and cytology, embryology, genetics and electron microcopy.

In the Biochemistry Department, research will seek knowledge in mechanism of lipid absorption, genetic biochemistry, lipid metabolism, amino acid biochemistry, endocrinology, natural product chemistry, immunochemistry, metabolism, microbiology, basic enzymology, organic biochemistry, physical biochemistry, chemistry, enzymology, protein chemistry and physical properties of proteins.

The Department of Physiology will include research in neuroendocrinology, regulation of ACTH secretion, sodium transport, physiology of cardiac muscle, regulation of peripheral circulation, hormonal and drug effects on the gastrointestinal tract, tissue red cell and plasma volumes, neurophysiology, respiration, control systems physiology, cell physiology and muscle physiology.

The Pharmacology Department quarters will provide for studies in immunopharmacology, drug effects on mast cells, polypeptide pharmacology, endocrine pharmacology, clinical pharmacology, neuropharmacology, cardiovascular pharmacology, biochemical pharmacology and drug metabolism and toxicology.