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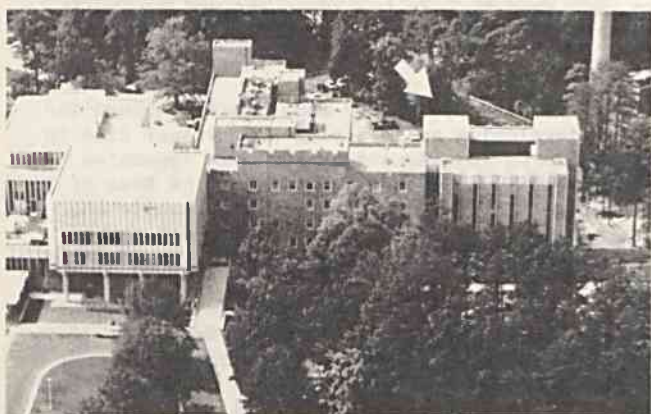
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## CLINICAL RESEARCH II SOON TO "OPEN FOR BUSINESS"



"In planning Clinical Research II, we had CR III in mind," Mr. Swanson said, upon completion of this latest project. "The building forms a continuous link with the future hospital via the wide corridor at the ground floor level, and its contemporary gothic design is intended to complement the Main Entrance Building." CR II (below the arrow) is four stories high and has ground floor and sub-basement levels.

The fourth floor will house facilities for group psychotherapy, clinical neurology, data processing, and the Medical Center Psychological Assessment Lab, "representing one of the first attempts in the country to evaluate the feasibility and effectiveness of a central laboratory, staffed mainly by specially trained psychological technicians, devoted to meeting efficiently the total needs of a large Medical Center for behavioral and psychological assessment of patients and research subjects," according to Dr. Robert C. Carson, Head of the Division of Medical Psychology.

The third floor will have several projects under the direction of the Dept. of Surgery. Among them, according to Dr. David C. Sabiston, Jr., "new permanent operating facilities in Hyperbaric Oxygenation; laboratories for Homotransplantation for further investigations into the field of tissue typing for selection of patients to receive homographs; several laboratories devoted to the study of the coronary circulation, experimental atherosclerosis, studies in the denervated heart; an investigative program concerned with the application of computers to surgery; an orthopaedic research lab; and a laboratory for urological research."

The second floor is an extension of CR I; houses radio-isotope and biochemistry labs. And moving on to the first floor, the Dept. of Surgery has pathology, chemistry and pediatric lab facilities. And "in our area," Dr. Saul Boyarsky reported, "we plan to establish a urological physiology laboratory to do combined cystoscopy, cinefluorography, electromanometry or pressure studies. Provision will be made for bioengineering analyses of the results and we will have a supporting bacteriology, biochemistry and histochemistry laboratory. The laboratory is outfitted to study patients and will have a small animal operating room in addition. The facility will be used to study bladder, ureter and kidney patients who may need urological surgery, who may have pyelonephritis, children who may have congenital urological defects and patients with hydronephrosis or renal calculi."

On the ground floor, the new hyperbaric-hypobaric environmental facilities will be subjected to detailed acceptance testing during the next month, prior to occupancy and use by interested investigators at Duke. "The facility is multi-compartmented," Dr. Herbert A. Saltzman stated, "and has an extended environmental capability ranging from an altitude equivalent of 157,500 feet to an increased atmospheric pressure similar to that experienced by divers submerged to a depth of 1000 feet in sea water. Included in the design is a special "wet pot" compartment designed for studies in a hyperbaric liquid environment."

"We anticipate continued, moderate clinical activity, emphasizing vascular surgery including surgery of the infant with congenital cyanotic heart disease, treatment of gas gangrene, and clinical evaluations of patients with a variety of vascular illnesses. Investigators will continue to emphasize quantitative studies of the biomedical response to changes in environmental pressure or gas concentration. We anticipate these studies will have relevance to national aerospace and hydrospace commitments, as well as to the treatment of medical illness."

And, in the sub-basement, there are research facilities in neurology, veterinary medicine, and Dr. Andrew Wallace advised that he will have two lab functions in the new CR II. "One will be pursuing study on the physiology of the heart. The second, to develop techniques used for clinical investigation of the Cardiac Intensive Care Unit." Onward, to CR III...