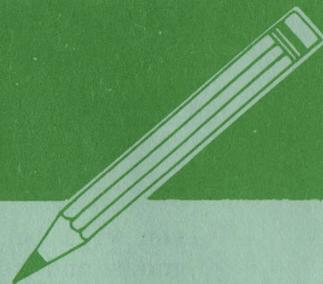


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## CT BODY SCANNER ARRIVES AT UNIVERSITY HOSPITAL

A revolutionary new diagnostic tool -- a Computed Tomography (CT) whole body scanner -- arrived last Tuesday at University Hospital. Sometime after Thanksgiving -- when it is fully assembled in a specially prepared room in the Radiology Department -- this \$550,000 machine will begin working, providing extraordinary photographs of the inner structures of the human body.

The machine causes a minimum of discomfort and inconvenience for the patient while producing the most accurate images of cross-sections of anatomy possible without exposing the organs themselves. Scans also can be combined to form vertical pictures of organs and organ systems.

Like something from science fiction, the machine rocks and tilts while the patient lies on a table in its center. Short, straight X-ray beams fanning out in a line from a single source pass through the body activating extremely sensitive radiation detectors which transmit information to a computer. The machine then shifts a degree, the beams shoot out again, the process repeating until the body has been "photographed" from all angles.

The computer analyzes all the information and an image of the cross-section appears on a television screen.

The technique, which is noninvasive and painless to the patient, uses minimal amounts of radiation. A single scanning procedure may reveal more information of greater magnitude and accuracy than an entire battery of tests would have in the past. Scans can be done on an out-patient basis, often eliminating the need for hospitalization.

The radiologist makes his diagnosis from either the television image or permanent photographs. The photographs, made by special Polaroid techniques, are attached to the patient's chart or records.

"The field of organ imaging is exploding," says Dr. Eugene C. Klatte, chairman of radiology, who calls this procedure "the greatest technological advance in radiology since the discovery of the X-ray in 1895."

The CT scanner can pick out distinctive tissue areas as small as a few millimeters across and register density differences many times smaller than those detectable on a conventional X-ray. Differences in density define bone, blood, fluid and various types of tissue, yielding much valuable information to the diagnostician.

"It is a tool to learn more about disease processes--and anatomy, physiology, pathology," says Dr. Klatte, "always taking it back to the patient, improving diagnosis."

WILSON NAMED PURCHASING AGENT FOR IUPUI

James E. Wilson, an assistant purchasing agent since 1974, has been named purchasing agent for IUPUI, filling the post left by the recent retirement of J. Robert Neel.

Wilson will be responsible for ordering and handling about \$30-million-worth of goods and services -- from paper clips to coal -- to keep IUPUI running and for supervising a staff of about 70 persons in the Purchasing Department and in the Central and Scientific Stores Department.

Currently enrolled in the graduate program of the IUPUI School of Public and Environmental Affairs, Wilson received his bachelor of science degree in 1963 from the University of Tennessee. While serving in the United States Air Force from 1963 to 1974, he did graduate work at the University of Nebraska and at Ball State University.

Wilson's professional memberships include the Purchasing Management Association of Indianapolis and the Purchasing Techniques Committee.

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WHO, WHAT, WHEN, WHERE & SOMETIMES WHY

Exhibits -- Pharmacy displays this week in University Hospital will be Astra Pharmaceutical Products on Monday, W.D. Saunders on Wednesday and Mead-Johnson Laboratories on Friday. Upjohn Co. will have a display in Riley on Wednesday. Hours are 8:30 a.m. to 3:30 p.m.

Guest -- Dr. Gerald Rosenbaum, professor of psychology at Wayne State University, will be the guest speaker for Monday's session of the Colloquium Series of the School of Science Psychology Department and the School of Medicine Psychology Section. Dr. Rosenbaum will discuss "Neuropsychological Factors and Alcoholism." Currently a diplomate in clinical psychology, an editorial consultant for the Journal of Abnormal Psychology and director of clinical training for Wayne State, Dr. Rosenbaum has published or presented more than 70 papers on schizophrenia, neuropsychology, psychopharmacology and clinical training. The meeting will be held at 1:30 p.m. in Lecture Hall 104.

Hypnosis -- Dr. Hanus J. Grosz, professor of psychiatry and director of Alcoholism Research Training, will discuss some uses of hypnotism on the IUPUI Magazine Monday at 3:30 p.m. on WIAN (90.1 on your FM dial).

Seminar -- "Chemistry and Biochemistry of Vinca Alkaloids," Biochemistry Faculty Seminar by Dr. Koert Gerzon, research adviser at Eli Lilly Research Laboratories; Medical Science Building, Room 326, 4 p.m. Monday (3:45 coffee).

Programs -- Two sessions in the Personnel Division's Career and Staff Development Program for November will be held this week. Ruell Fiant, payroll manager, will lead a discussion on "Payroll Record Keepers" Tuesday from 9:30 a.m. to 11 a.m. James Miller, OSHA compliance officer, will present an "OSHA Orientation" Wednesday from 9 a.m. to 9:45 a.m. Both sessions will be held in Room 242 of the School of Nursing. For more information, call Mary Jane Maxwell, Ext. 8241.

Ah, So! -- A special exhibition and sale of Original Oriental Art will be presented Tuesday from 10 a.m. to 5 p.m. at the Herron School of Art. Marson Ltd. of Baltimore specializes in exhibiting for sale a collection of art totaling about 500 pieces from Japan, China, India, Tibet, Nepal and Thailand. The collection includes prints, woodcuts, miniature painting and manuscripts, mezzotints, etchings, lithographs.

Tuesday -- "Isolation and in vitro Translation of Messenger RNA," Medical Genetics Seminar by Dr. Emily Young, postdoctoral fellow; Riley Research Wing, Room 139, 4 p.m.

Grand Rounds -- Dr. Kenneth D. Brandt, professor of medicine, will discuss "Lupus Erythematosus" during grand rounds Wednesday at 8:15 a.m. in Myers Auditorium of Wishard Memorial Hospital.

Physiology -- "Muscle Stiffness Measurement by Oscillatory Perturbations," Physiology Seminar by Dr. Richard A. Meiss, assistant professor; Medical Science Building, Room 205, 11:45 a.m. Wednesday.

SRO -- A capacity attendance of 55 Hoosier pediatricians is expected at the first conference on "Management of Neonatal Problems" Wednesday and Thursday at Riley Hospital. Presented by the hospital and the School of Medicine, the program will bring the latest information and training to doctors on the care and management of newborn infants with urgent medical problems, according to Dr. Richard L. Schreiner, assistant professor of perinatal medicine and director of the course.

Weekly -- Dr. Robert B. Forney, professor of toxicology, will lead a discussion, on "Science and Medicine" at this week's meeting of the Science Dean's Colloquium Series at noon Wednesday in the faculty lounge of the Krannert Building, 38th Street.

At the Lectern -- "Disorganized Medicine" will be the subject for Dr. John Beeler, president-elect of the Indiana State Medical Association, when he presents the School of Medicine Dean's Hour program Wednesday at 4 p.m. in Emerson Hall.

Aiming Education -- "Elevate Them Guns a Little Higher? Lower? Sideways?" is the provocative topic of a talk by Derek A. Davenport, professor of chemistry at Purdue and the Indiana Academy of Science "Speaker of the Year." Dr. Davenport's lively discussion of over-anticipating and under-achieving and what to do about it will be given Wednesday from 5:45 p.m. to 7 p.m. in Room 231 of the Krannert Building, 38th Street.

Open Door Policy -- The annual Herron School of Art open house is scheduled for Thursday with guided tours set for 10 a.m. and 3 p.m. The school will open its classes to visitors, prospective students and all interested persons from 9:30 a.m. to 11:30 a.m. and from 1:30 p.m. to 4:30 p.m. Experts in instruction, admissions and financial aids will be available to answer any questions.

Free Flick -- "Horse Feathers" will be shown three times this week: At noon Thursday in the Krannert Building at 38th Street, at 8:15 p.m. Thursday in the Union Building, and at 8:15 p.m. Friday in the Lecture Hall.

Who's on WAT -- "Retrolental Fibroplasia" is this week's Today's Medicine program Thursday at noon on all regular WAT 21 outlets. Speakers will be ophthalmology professors Dr. Eugene Helveston and Dr. Forrest D. Ellis.



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1100 West Michigan Street  
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Thursday -- "Dysmorphology and Development Disability," Child Development Seminar by Dr. David Weaver, medical genetics; Riley Hospital, Meiks Conference Room, 2:30 p.m.

Goodies -- The University Dames Club is sponsoring a "Bake, Boutique and Plant Sale" Saturday from 10 a.m. to 5 p.m. at 3215 Citadel Court. All proceeds go to the IUPUI library for new equipment. For information and directions call 291-6460.

Meeting -- Applying Biblical principles to medicine and allied medical fields will be the focus of an open meeting Saturday at 7 p.m. at the home of Dr. Frederick Winegarner, 8508 Green Braes South Drive. For more information, call 291-8609.

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#### NEWS 'N' NOTES FROM HERE 'N' THERE

Canceled -- Computing Services says that the 38th Street sections of "Introduction to CDC 6600 Batch Commands" and "How to set-up SPSS and use Stat Pack (STP)" short courses have been canceled. Call Ext. 3836 to confirm other short course schedules.

Dutch Treat -- Chaplain Otto Stange from the Free University Medical Center in Amsterdam will be visiting the I.U. Medical Center Chaplaincy this week. He is particularly interested in learning about the chaplaincy work in Riley Hospital and the department's variety of Clinical Pastoral Education programs.

Lost -- Silver bracelet lady's Timex wristwatch lost between Michigan Street parking lot and Allied Health Building, valuable for sentimental reasons, small reward. Call Ext. 2451 or 783-5140.

Rides Needed -- From Brittany Woods Apartments (1200 East 52nd Street) to Medical Center, Monday through Friday, 8 a.m. to 5 p.m. Call Ext. 8643 or 259-7681 after 5 p.m. . . . From Fallwoods Apartments (north of Fairgrounds) to Engineering and Technology Building, 8 a.m. to 5 p.m. daily. Call Ext. 8627 or 257-3553 after 5 p.m.

Mouthful -- At Harvard a professional sword-swallower has offered to present a free demonstration of his abilities for medical students. This, he says, would illustrate his complete control over the muscles of his throat, esophagus and stomach. (Focus, the Harvard Medical Area newsletter, did not say if anyone took up the offer of this living visual aid.)

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