

february 1965

## AgNo<sub>3</sub> Burn Treatment Described to WU Group

A long-known remedy revived in light of modern medical techniques has proven successful in treatment of serious burns. Dr. Carl Moyer has reported to the WU Medical Society. The treatment utilizes a weak solution of silver nitrate and has reduced the mortality rate on serious burns from an anticipated 80% to 40%. Work on this treatment is supported by the Hartford Foundation.

Dr. Moyer said in cases treated initially with this solution there had been no deaths from septicemia. He also said in such cases the number of skin grafts necessary had been no more than one-third of what would be expected. With the elimination of infection, the amount of pain associated with burns has lessened to such an extent that unhampered movement is possible. Dr. Moyer also said scarring had been reduced to a point where no serious deformity resulted if the skin and fat layer directly under the skin had not been completely cooked.

Dr. Moyer described the limiting factor as the necessity for continued monitoring of the fluid system in the patient. "This treatment can only be carried on in a medical center where microanalysis of blood is possible," he said. "In the critical stages, it must be done every four hours."

In addition to control of most types of bacteria found associated with burns, the treatment has also proven successful in preventing hypermetabolism by use of a wet dressing covered by a permeable dry sheet or blanket. In the 23-patient series reported, there was very little weight loss.

## John Josse Will Become New Physiology Head

Dr. John Josse has been named professor and head of the department of physiology, Chancellor Thomas H. Eliot has announced. The appointment is effective July 1, 1965. Dr. Josse will succeed Dr. Harvey L. White, who has been head of the department since 1948.

Dr. Josse has been associated with the Medical School since 1963. He became a member of the department of microbiology here after serving as research associate in biology at the Johns Hopkins University, where he studied the amino acid structure of collagen.

He previously was a research fellow working in association with Nobel-Prize winner Arthur Kornberg both at Washington University and at Stanford University where he did chemical and statistical analysis of the structure of DNA. He served as a post-doctoral fellow of the National Foundation and a scholar of the American Cancer Society. During the past year and a half at the School of Medicine, Dr. Josse has isolated the enzyme pyrophosphatase from bacteria and crystallized the protein.



Dr. Josse received his BA, BS, and MD degrees from the University of Minnesota. He took post-graduate training in medicine at the Massachusetts General Hospital.



## Awards Committee Offers Student Fellowships

The Committee on Fellowships and Awards is offering student Research Fellowships for the summer of 1965. Dr. A. Duncan Chiquoine, secretary to the committee, has announced. These fellowships are ordinarily awarded for research carried out under the direction of a faculty member during the summer months but can be arranged at any time during the year when the student is on his free time. The stipend award is \$750 for a period of two consecutive calendar months.

Students who wish to apply for a fellowship should arrange with a faculty member for space in the lab and supervision. The necessary application forms may be obtained from the Registrar's Office or from the secretary's office, fourth floor of the anatomy department. All applications for the summer months are expected to be in the hands of the committee by April 9. The fellowships awarded will be announced in early May.

Funds are also available for a few students who desire to spend a full year doing research. The same application form is used for this award as for the summer award.

## Tea is Success

The group that planned the reception and tea for Miss Jennie L. Kelley has offered their thanks for the enthusiastic participation of the Medical School staff.

Miss Kelley, who retired as manager of the Medical Bookstore, was presented with two pieces of luggage and a \$196.00 check for future travel. The Medical School class of 1932, of which Miss Kelley is an honorary member, contributed the refreshments.

## William Stein Will Give Shaffer Lecture

Dr. William H. Stein, member and professor at the Rockefeller Institute, will present the Eighth Philip A. Shaffer Lecture February 25 at 4:00 p.m. in Clopton Amphitheatre. Dr. Stein will discuss "The Relationship of Structure to Function of Ribonuclease".

The Philip A. Shaffer Lecture is sponsored by the School of Medicine to honor Dr. Shaffer, who died in December 1960 after serving fifty years as a staff member. He was appointed professor of biochemistry in 1910; served as dean of the Medical School from 1915-19 and again from 1937-46. He was appointed distinguished service professor emeritus and lecturer in biological chemistry in 1951.

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## THREE DEPARTMENTS GET NEW FACULTY MEMBERS

Three new physicians have recently joined the faculty of the School of Medicine, and three other faculty members have received promotions. Dr. M. Kenton King, acting dean, has announced.

New to the faculty are Dr. Irwin Schultz, assistant professor of medicine, who will be on the Washington University service at St. Louis City Hospital; Dr. Ray Brinker, assistant professor of radiology, and Dr. Herbert Silver, instructor in pathology. Dr. Silver is a pathologist at the Jewish Hospital.

Drs. Adolph Cohen and Jay Enoch were promoted to research associate professors of ophthalmology; Dr. George Klinkerfuss was promoted to assistant professor of neurology.



# FROM THE DEPARTMENTS.....

## Anatomy

Dr. Kenneth Smith, his wife, and their six children departed for London, England in early January. Dr. Smith will study for one year at Oxford University under a research fellowship from the National Institute for Neurological Diseases and Blindness.

## Medicine

Dr. Sol Sherry and Dr. Michael DeBakey of Baylor University College of Medicine were judges in the Third National Cochems Competition conducted under the auspices of the University of Colorado School of Medicine. Under the terms of the will of the late Mrs. Jean Cochems of Denver, a \$2500 prize is offered for the best paper on advances in thrombophlebitis and other vascular problems.

## Library

Dr. Estelle Brodman recently was consultant for the University of Michigan's new Health Sciences Information Center.

## Microbiology

Grants have been made by the National Science Foundation to Dr. Joseph Eigner and Dr. Milton Schlesinger. Dr. Eigner will use a \$40,000 grant to conduct a detailed study of the interaction of DNAses. With a \$36,000 grant, Dr. Schlesinger will study the chemical nature and the physiological significance of the different forms of protein in E. Coli.

## Radiology

Dr. Marvin Friedenbergl, former acting head of the department, has been appointed chairman of the department of radiology at the Desert Hospital in Palm Springs, Calif.

## Surgery

Dr. Henry Schwartz has been appointed to serve on committees of two scientific groups. He will serve on the Board of Scientific Councilors of the National Institute of Neurological Diseases and Blindness and has been named chairman of the Advisory Committee for Neurological Surgery of the American College of Surgeons.

Dr. Fred Reynolds has been elected president of the American Academy of Orthopaedic Surgeons.

The Medical School has been awarded a Certificate of Recognition by the American Society of Anesthesiologists for an exhibit presented at the 1964 annual session. The exhibit, "A Radical Approach to Therapy in Certain Pulmonary Obstruction Diseases," was presented by Dr. Paul Hackett, Dr. Robert Dodd and Dr. Herman Reas, former instructor in pediatrics at WUSM.

## Physical Therapy

The physical therapy department will be relocated in the old Shriner's Hospital building just south of the School of Medicine. Miss Beatrice Schultz recently announced. The old P. T. offices on the sixth floor of the Cancer Research building will be converted into laboratory facilities. The move is expected to take place about the first of March. The department telephone number will remain the same.

OUTLOOK is issued by the News Bureau for the staff and students of Washington University School of Medicine.

News items may be submitted to the News Bureau, ext. 3166.