6-1946

Jefferson Medical College Alumni Bulletin–Vol. 3 No. 8, June 1946

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ACTIVITIES OF THE DEPARTMENTS

Many changes have occurred at Jefferson during the past five years, incident to the war and certain curricular adjustments, which were advisable for the continuance of Jefferson's prestige in the field of medicine. Results speak for themselves. Definite advances, made under the great handicaps of an expedited curriculum and reduced personnel in the departments; promises well for Jefferson's future growth and should be a source of great pride to her Alumni. The accomplishments of the past five years clearly indicate the perfect accord in which the entire staff worked to bring into reality the constructive vision of the Dean and the Board of Trustees.

In the following pages we have attempted to bring before you a resume of the activities and changes of the various departments which we were unable for various reasons to present in the Bulletin during the war years.

Adolph A. Walkling, M.D.

Editor.

RESEARCH AT JEFFERSON

The evidences portrayed in these pages bear witness to the fact that Jefferson has entered the Research field with an effective array of workers and equipment. We have accepted the fact that second only to the fulfillment of our primary function of educating students for the practice of medicine, comes our responsibility for the advancement of human knowledge.

This has come about through the natural process of evolution in our thinking and attitudes toward research. We know that the spirit of curiosity inherent in all teachers and workers in institutions such as this must have an outlet; this can only be provided by building up a matrix of support and cooperation under and on which this spirit can grow and function.

This is the proper method in a medical school. We are not a science institute or research institute devoted to the pursuit of specific problems with specific aims in mind.

We are an organization of parts, each one of which is engaged in the study of some one or more aspects of human biology; we are concerned with the human organism and its total growth and function, normal and otherwise, under its inherited directing influences in a friendly or a hostile environment.

As such, our research must grow as it will, without formal, organized, overall direction other than that each project be protected by the approval of our Research and Research Funds Committee that has passed upon its general acceptability, safety and an assured financial support.

The most important trend in research here has been in the growth of interdepartmental participation in problems of mutual interest. This has been stimulated greatly by the bi-weekly Inter-Departmental Seminar. I take this opportunity to publicize these meetings still more, and to urge every member to attend and
participate as often as he can; it is one of our few occasions when we can meet
together and peck each other's brains.

Our staff has grown to include many workers with specific skills and knowl-
edge in their particular fields. As such, their knowledge and experience should
be available to all. All encouragement will be given to the utilization of these
workers by those in departments other than the one in which the specialists are
primarily engaged. The same might be said for the use of highly specialized
apparatus and equipment that cannot well be duplicated.

Too much distinction has been made between basic, fundamental, so-called
pure research, applied research and clinical investigation. This distinction does
no one any good for the simple reason that it is assumed that the workers in
each shall work on the single necessity that they employ the scientific method.
Purposes and aims are too divergent to be of use in defining a research program
—let us not allow class consciousness to label anyone "pure"; others "applied"
or still worse, "clinical" research workers or investigators.

With all the financial help we can reasonably afford; with assistance through
gifts and grants-in-aid attracted to us from others; and the will to do and to
cooperate, Jefferson's future in medical research will be second to none.

DEPARTMENT OF ANATOMY

The Department of Anatomy, Histology and Embryology, under the able
supervision of Dr. J. Parsons Schaeffer, M.D., Ph.D., S. C. D., Professor of Anat­
omy and Director of the Daniel Baugh Institute has been expanded con siderabl y.

In addition, there are thirteen part-time teachers, comprising members of
the departments of Surgery, Neurology and Radiology.

In addition to the routine instruction of undergraduate students, as outlined
in the curriculum, units of physicians in the United States Navy came to the
Institute of Anatomy regularly for instruction in applied and surgical anatomy.
Dr. Bennett, especially, devoted much of his time to this important work with
the Navy unit. Dr. Schaeffer, too, has been active in extra-curricular matters
that have an important bearing upon medical education. As Chairman of the
Committee on Defense of Medical Research of the Medical Society of the State
of Pennsylvania, he expended a great deal of time and effort during the sessions
of the Pennsylvania legislature in opposition to an objectionable antivivisection
bill, introduced as a House bill and also to three House bills and one Senate
bill which would have seriously and adversely affected the present Anatomical Law
of Pennsylvania. The antivivisection bill was defeated and the Pennsylvania State
Anatomical Law remained an equitable and effective instrument in the furtherance
of medical education and research. As Secretary of the Anatomical Board of the
State of Pennsylvania, Dr. Schaeffer also gave much time to the matter of effect­
ing better relationships between the funeral directors of the State, the county
coroners, the county commissioners, and the many hospitals and county homes with
reference to the distribution of unclaimed dead human bodies for scientific use.

During the past year, Dr. Schaeffer has been engaged in a revision (second
edition) of "The Head and Neck in Roentgen Diagnosis", and on the 11th edition
of Morris' Anatomy, of which he is Editor-in-Chief. One of the most recent of
the many honors that have come to him during his distinguished career has been
his election (1946) to the presidency of the College of Physicians of Philadelphia, evidence of the high regard and esteem in which he is held by the medical profession of Philadelphia.

For several years, Dr. Michels has been investigating variations in the blood supply of the liver, gallbladder, stomach, duodenum and pancreas in human subjects. The results of his studies have been reported in a number of papers and, when completed, will be published in monograph form.

Dr. Ramsay is engaged in a structural and functional study of the special vascular and lymphatic apparatus of the Fallopian tube. In conjunction with Dr. Thomas (Physiology), he is investigating the innervation of the pancreas in laboratory animals. Drs. Bennett and Hutchinson published the results of experimental studies of movements of the tongue of the dog, and Dr. Bates is investigating the early development of the tongue musculature of the cat and man.

Dr. Angel published several reports of his anthropological studies in Poland and Greece. He is also collaborating with members of various clinical departments in studies of the relation of constitution to disease. The following problems are being investigated: Obesity, with Drs. Paschkis (Medicine), Matthews and Schopbach (Psychiatry); Varicose veins, with Dr. Wagner (Surgery); A, B and O blood group determinations, with Dr. Erf (Medicine-Hematology); Arthritis, with Dr. Swenson (Radiology).

The active cooperation of members of the Department of Anatomy with various clinical departments in research and teaching programs reflects a general trend throughout the institution. It not only maintains the interest of clinicians in fundamental fields but improves enormously the education of students at both undergraduate and graduate levels.

DEPARTMENT OF PHYSIOLOGY

J. E. Thomas, M.S., M.D., is Professor and Head of the Department of Physiology.

The appointment of Dr. W. J. Snape, a graduate of Jefferson, Class of 1940, to the position of Associate in Physiology reflects the growing interest of our students in the preclinical sciences, either as a career or as a secure basis for development in a clinical field.

During the past few years, Dr. Lucius Tuttle (Assistant Professor) was forced to relinquish his teaching duties because of poor health and Dr. W. H. Hart (Associate) resigned to enter the study of Medicine.

During the past year, three new laboratories have been constructed and equipped for teaching and research. These rooms occupy the space formerly occupied by the mammalian laboratory, student work in the latter having been transferred to the main laboratory. Additional staff laboratory space will become available in the near future, when present occupants are moved to new quarters on another floor.

In keeping with the policy of the institution to provide adequate personnel for teaching and research in preclinical departments, at least two additional full-time appointments will be made as soon as suitable applicants are available. It is hoped that these will include a biophysicist and a specialist in the physiology of the circulation, whose interests and activities will complement those of the present staff, which are centered chiefly in gastrointestinal physiology and endocrinology.

The work of Professors Thomas, Crider and Friedman in the field of gastrointestinal physiology is universally recognized as authoritative. As evidence of this recognition, it might be mentioned that Dr. Thomas participated, by invi-
tation, in the Symposium on the Mechanism of Secretion at the annual meeting of the American Physiological Society at Boston, in April, 1942, and that Dr. Friedman cooperated, by invitation, with Professor Babkin of McGill University in the review of the literature on the Digestive System for the 1945 volume of the Annual Review of Physiology.

At the present time, Doctors Thomas, Crider, Friedman and Snape are engaged in fundamental investigations of pancreatic function, biliary tract function, gastric secretion, digestive enzymes and intestinal hormones. A major portion of this research, as in previous years, is being carried out in cooperation with the Department of Medicine and is concerned with clinical problems.

Dr. Thomas and Dr. Cantarow (Department of Biochemistry) are conducting a study of factors governing appetite, as part of a nation-wide project subsidized by the U. S. War Department. Members of the Department of Physiology are also cooperating with the staff of the gastrointestinal Clinic of the Hospital, headed by Dr. C. W. Wirts, in a study of liver function.

Dr. Paschikis (also of Department of Medicine) is a member of the Endocrine Research Group, which includes also members of the departments of Biochemistry, Obstetrics and Gynecology, Pathology and Surgery. The activities of this group, which are reviewed elsewhere, are concerned principally with investigation of the metabolism of steroid hormones, thyroid physiology and experimental carcinogenesis, and also with problems in clinical endocrinology.

With its expanded physical facilities and the prospective increase in personnel trained in various specialized fields, the Department of Physiology is well equipped to maintain its high standard of undergraduate training, to participate in the training of Residents and Fellows in clinical branches and to continue its present research program as well as to aid the research activities of members of other departments.

DEPARTMENT OF BIOCHEMISTRY

Following the resignation of Dr. George R. Bancroft, Abraham Cantarow, M.D. (Jefferson, 1924) was appointed Professor of Biochemistry and Director of the Department.

Two additional appointments have been made, to become effective July 1, 1946: L. L. Miller, Ph.D., M.D., Assistant Professor, and W. H. Pearlman, Ph.D., Assistant Professor. One more appointment will be made when a suitable applicant becomes available. This full-time staff will be larger than at any previous time in the history of the department.

The physical facilities have been expanded considerably. In addition to the main students' laboratory, lecture room, balance and colorimeter room, preparation and issue rooms, storerooms and completely equipped photographic darkroom, there are now seven completely furnished chemical laboratories with individual offices, for members of the staff. These facilities will enable the Department of Biochemistry to participate actively in the prospective institutional program of training Residents and Fellows in clinical and preclinical fields. They will also permit expansion of the currently active departmental research program.

The inclusion in the teaching curriculum of this department of courses in Pathological Chemistry and Clinical Biochemistry is being contemplated. These would be given during the clinical years and, it is felt, would serve an eminently useful purpose in bridging the wide gap between Physiological Chemistry and the many aspects of Clinical Medicine and Surgery in which an understanding of aberrations of body chemistry is essential to a thorough comprehension of these subjects.
Members of this department have been extremely active in research, both fundamental and clinical. Interest has been centered particularly in (a) the metabolism of steroid hormones, (b) the mode of action of antithyroid drugs, (c) chemotherapy of thyrotoxicosis, (d) clinical studies in male and female sex endocrinology and (e) studies of hepatic function. The results of these investigations have been published in forty papers during the past five years, representing largely the activities of the Endocrine Research Group. This consists of Doctors Cantarow, Pearlman, and Hansen of the Department of Biochemistry, Paschxis (Physiology and Medicine), Rakoff (Obstetrics and Gynecology), Walkling (Surgery) and Stasney (Pathology). This group is currently cooperating in further studies in the fields outlined above and also in studies of the influence of steroid hormones on the production of malignancy by carcinogenic agents. The use of isotopes is about to be included in this investigation. During the past two years, Dr. Cantarow has written a new monograph on Lead Poisoning and has revised his Clinical Biochemistry (3rd edition), both in collaboration with Dr. Trumper. He is cooperating with Dr. Thomas (Physiology) in a study of factors governing appetite, as part of a nation-wide project subsidized by the U. S. War Department.

The present department of Biochemistry, by virtue of its improved physical facilities and the diversity of the interests and specialized training and experience of its members, should be better able than ever before to perform its functions in education and research.

DEPARTMENT OF PATHOLOGY

Virgil H. Moon, M.D., is Professor and Head of the Department, the staff of which is larger than at any previous time in the history of the Institution and is well equipped to meet the demands of its increased responsibilities. Drs. Morgan, Grady and Lieber have recently returned to active teaching duties, having served in the Army since the outbreak of the war.

A course in Surgical Pathology was added to the curriculum in 1945, given jointly by the Departments of Pathology and Surgery. In addition to fulfilling its primary obligations in the education of undergraduate students of medicine, the department must provide facilities for adequate training in all branches of clinical and surgical pathology for residents in the various clinical specialties; this training is mandatory for admission to the examinations of practically all of the National Specialty Boards.

Provision has also been made for systematic graduate training in pathology as a specialty. This training will consist of a rotating service of three years, in the College and Hospital, and will include post-mortem and morphologic pathology, clinical and surgical pathology, and opportunities for teaching and research. Plans are being formulated for carrying out each phase of this program. A portion of the space on the fifth floor of the college has been extensively rearranged in order to provide additional offices and laboratories for members of the staff and demonstration rooms for the expanded program of graduate training.

During the war years the great teaching burden incident to the drastic reduction in the staff and the accelerated curriculum precluded the possibility of any systematic research program in this department. Investigation of a number of problems will now be resumed by every member of the staff. The facilities of the Department of Pathology for teaching undergraduate students of medicine, for training men in pathology as a specialty, for providing experience in pathology for men in other specialties, and for fruitful research have never before been so adequate.
This Department from 1909 grew extensively under the guidance of Dr. Randle C. Rosenberger who was Professor and Head of the Department. His death in 1944 was an irreparable loss to the Department, College and the Alumni Association. Since this time, the Department has been directed by William A. Kreidler, Ph.D., Acting Professor.

The recent enormous advances in bacteriology and immunology, and the activity of investigation in these fields are reflected in the activities of and physical changes in this department during the past four years and in provisions, accomplished and proposed, for expansion of its facilities in the near future. Despite the relative unavailability of material and labor during and since the war, a number of important improvements of a physical nature have been made, which have contributed materially to the teaching program and to research activities. In addition to the students' laboratory and lecture room, the department now includes four staff offices, five staff laboratories, two rooms for washing and sterilizing glassware, one darkroom, a large stock room, a refrigerator room, an incubator room and a small-animal room.

The following equipment has either been installed or is on order: An additional hot air oven, a muffle furnace, a room-temperature incubator, a cryochem drying apparatus, a ball mill, two special microscopes, a mechanical shaker, two special ultraviolet units, a cold unit and a high-speed centrifuge suitable for throwing down ultramicroscopic viruses.

In accordance with the recognized need for increasing the teaching personnel, it is planned that the staff include at least five full-time members, including at least one man trained especially in one of the following fields in addition to Medical Bacteriology and Immunology: Mycology, Viruses, Rickettsia and Immunochemistry. The department, the student body and the institution as a whole will then have access to authoritative information and expert advice in these currently active fields.

One of the most important changes under consideration is the shifting of either a part or all of the instruction in bacteriology into the second year, where it can be synchronized more closely with instruction in pathology. This is in keeping with the policy now in vogue in practically all medical schools.

During the years 1942-1945, Doctors Kreidler, Meranze, Warren and Blundell published 22 papers in a variety of journals, including the Journal of Infectious Diseases; Journal of Bacteriology; Journal of Cellular and Comparative Physiology; Yale Journal of Biology and Medicine; Science; Surgery, Gynecology and Obstetrics; American Journal of Obstetrics and Gynecology; Archives of Surgery; Gastroenterology; Journal of Pediatrics.

The broad scope of interest and activity of the members of this department is indicated by the nature of certain of the problems now under investigation: (1) The problem of falsely positive serological tests for syphilis following smallpox vaccination. (2) Studies of the usefulness of a new sulfa compound as an intestinal antiseptic. This is being done in collaboration with the Department of Biochemistry, preliminary studies of its toxicity, absorption and elimination having already been completed. (3) Studies of the toxicity of various compounds being used experimentally by the Tumor Clinic. (4) Studies of the antigenic structure of luminous bacteria, with particular regard to the significance of the luminiscent system in immunological reactions. (5) Studies of the antibiotic principles of several species of bacteriostatic soil bacteria.
When additional research laboratories, now being planned, become available, it is hoped that the research activities of departmental staff members will be supplemented and furthered by other workers operating under and supported by individual grants for periods of two or three years. This department will also be able, with the planned expansion of its facilities, to participate in the proposed institutional plan for formal instruction in preclinical sciences as a part of the system of training Fellows and Residents in clinical departments.

DEPARTMENT OF PHARMACOLOGY

Charles M. Gruber, M.D., Ph.D., continues as Professor and Head of this Department. The following resignations have occurred since 1941:

Victor G. Haury, M.D., to enter the practice of medicine; M. E. Drake, Ph.D. and F. Ellis, Ph.D., to complete their work for the M.D. degree.

Despite the increased teaching burden incident to the acceleration of the curriculum during the war years, members of this department have continued their active research program. Sixteen papers published during these years include studies of the pharmacology and toxicology of various barbiturates, demerol, dilantin, N-allyl-normorphine and salicylamide. As Associate Editor of the Cyclopedia of Medicine, Surgery and Specialties, Dr. Gruber rewrote many of the articles on therapeutics and contributed new sections on the sulfonamides, penicillin and thiouracil. Dr. Hart collaborated with Drs. F. L. Munro and M. T. Munro (Hematology) and A. A. Walkling (Surgery) in a study of changes in prothrombin following hepatectomy; Dr. Lisi collaborated with Dr. W. M. Hart (Physiology) in the development of a procedure for determination of lactic acid.

During this period Dr. Gruber has served as chairman of the Section of Pharmacology and Therapeutics of the American Medical Association and as vice president of the Society for Pharmacology and Experimental Therapeutics, positions which indicate the reputation that he enjoys throughout the country in the field of Pharmacology.

Jefferson may well be proud of this department, which has facilities for teaching at least equal to those of any institution in the country.

MEDICINE

The Department of Medicine continues to be directed by Professor Hobart Reimann who is also acting director of the Department of Experimental Medicine. Few changes have occurred in the staff roster. Professors Lyon and Cantarow have resigned, the latter to take on his new duties as Professor of Biochemistry.

Despite the temporary loss of many important staff members to the military service, the department functioned smoothly during the war years, thanks to the loyalty and industry of those who remained. Many of the staff members who served in the war have resumed their positions and the rest are expected to return shortly. The ward services were burdened by an unprecedented number of short-term interns and an increased number of students. The clinical ward Clerkships performed by third year students proved to be satisfactory. The Seniors served in the Out-Patient Department under the direction of Dr. Franklin Miller and rotating residents. The Gastrointestinal Clinic of the Out-Patient Department is newly headed by Dr. Wirts, the Arthritis Clinic by Dr. Richard Smith and the Allergy Clinic by Dr. Harry Rogers. Active programs of investigation are planned. Dr. Sawitz was appointed Assistant Professor of Parasitology. Dr. Reimann served a short tour of duty as visiting consultant of the Eighth Service Command in Texas in 1943, was a guest of the Puerto Rico Medical Association.
The members of the staff of the Division of Hematology have carried on their teaching and hospital obligations in the Department of Medicine. Their special contributions in the field of Hematology are given in the report of the activities of the Division of Hematology that follows.

The report on the Endocrine Research Group and the Endocrine Clinic, organized within the Administration of the Department of Medicine as an interdepartmental undertaking is presented separately in this review.

Active interest was maintained in investigative medicine. Further studies were made on virus pneumonia, which was first reported from Jefferson in 1938 by Professor Reimann. Professor Reimann and Drs. Price and Hodges studied two large epidemics of nausea, vomiting and diarrhea among medical students. They showed by experimental studies in student volunteers that the disease is airborne and caused by a filtrable agent and proposed the name Viral Dysentery for the disease. Professor Reimann and Dr. Price also made the first clinical studies of the use of streptomycin for typhoid, brucellosis and other conditions. Since 1941, about thirty papers have been published in addition to editorials, textbooks and articles for textbooks.

The Department of Diseases of the Chest has hopes of expanding by the acquisition of new buildings. Investigation of clubbed fingers, cystic disease of the lung, elastic tissue in pulmonary disease and the studies of basal pulmonary infection have been reported in several papers by Professors Gordon and Sokoloff and Doctors Charr and Savacool.

Active investigation is being made by members of the department under the direction of Doctor Paschkis in the joint Endocrine Clinic, particularly on the metabolism of steroid hormones, on cancer, on the treatment of thyroid disease and sex endocrinology. Foreign students from Mexico, Colombia and China have participated. A total of fifty-four papers have been published by members of the Clinic during the past five years.

In Professor Duncan's absence, the departmental work at the Pennsylvania Hospital has been faithfully carried on by Dr. Carey and his limited staff. Professor Duncan has given distinguished service to the Army, last of which was as Medical Consultant of the Second Service Command. He has published papers on tropical diseases and on diabetes, and is the editor of an authoritative book on metabolism.

Members of the Department of Medicine have published more than one hundred thirty papers during the past five years. The quality is believed to be commensurate with the quantity.

At the moment, ten residents or fellows, all but one of them former service men, are working in the Department of Medicine. Plans are under way for housing the Departmental offices and laboratories on the eighth floor of the college building when construction is completed.

**Division of Hematology**

In the past four years, the Division of Hematology, under the direction of Professor Harold W. Jones, has increased its professional and technical personnel to twenty-eight, all but one full-time. The Unit occupies sixteen rooms in various parts of the Hospital and College. The funds to make this Division possible are given by Mr. T. D. M. Cardeza who, with the late Mrs. Mary Cardeza, estab-
lished the Charlotte Drake Cardeza Foundation in memory of Mr. Cardeza's mother.

More than 6,000 patients with blood disease have been seen and studied. Some 25,000 plasma and blood transfusions have been administered. A determination of the Rh factor has become one of the major parts of the work in the Transfusion-Plasma Unit. The Tiselius apparatus for the study of protein patterns is of great value in hematological work as well as to other departments of the College.

Professor Tocantins introduced and perfected his method of intrasternal injection of fluids which is now widely used and has served a particularly important role in the treatment of the war wounded. He also studied the nature of the clotting defect in hemophilia, the clotting of normal blood and of hypercoagulability. His reports are embodied in eighteen papers in the past four years.

Professor Miller and Dr. Turner are continuing their active research on the nature and mechanism of leukemia. Twelve papers have been published on the subject. Doctor Erf has directed the activities of the Blood Transfusion Unit. He has published fourteen papers on various subjects, particularly on the use of radioactive phosphorus and on blood transfusion. Members of the Photographic Unit have participated in four public exhibitions.

DEPARTMENT OF PREVENTIVE MEDICINE

William Harvey Perkins, M.D., is Professor and Head of the Department. Owing to the inability to obtain the qualified personnel, the Department of Preventive Medicine has had to remain static during the war. However, in the past few months a full-time Associate Professor in Industrial Medicine, Heinrich Brieger, has been appointed.

Dr. Brieger brings a wealth of experience and a fine reputation in his special field and his connections with industry have provided him with most generous financial support. Dr. Brieger is particularly interested in benzol, carbon monoxide, and carbon disulphide poisoning. His main research at present is in the field of blood-formation changes brought about by benzol poisoning. He is assisted in his work by a chemist, Mr. William Hodes, a chemical technical assistant and a technician.

An Industrial Medicine laboratory has been established temporarily in the Department of Pathology on the 5th floor. It is completely equipped and contains special gas chambers for the experimental work on animals.

The future of the Department of Preventive Medicine calls for a staff consisting of an Epidemiologist, Biostatistician, Clinical Assistants and Associates and the inauguration of a Health Maintenance Clinic. These await only the availability of qualified personnel.

A grant has been received for a Fellowship in Preventive Medicine that will be open as soon as our organization can satisfy the requirements of such a Fellowship.

DEPARTMENT OF SURGERY

Thomas A. Shallow, M.D., The Samuel D. Gross, Professor of Surgery and Head of the Department.

The principal changes in the personnel of the surgical staff are the resignations of Dr. George P. Muller, as Grace Revere Osler Professor of Surgery and Dr. Robert A. Groff as Assistant Professor of Neurosurgery. Dr. John H. Gibbon, Jr., was appointed Professor of Surgery and Director of Surgical Research in the Department of Surgery in January, 1946. Dr. J. Rudolph Jaeger
was appointed Clinical Professor of Neurosurgery in the Department of Surgery in May, 1943.

During the war years the activities of the Department of Surgery were maintained by a seriously depleted staff owing to the absence of many of the younger men who entered the armed forces. During the absence of Dr. John B. Flick, M.D., the departmental activities at the Pennsylvania Hospital were directed and carried on by Professor Walkling. The majority of these men have now returned and the staff has assumed the same numerical size that it had prior to the war. The increased demands upon the staff, because of the accelerated teaching schedule and the increased number of students, was ably met by the devotion and industry of the men remaining.

Despite this increased burden, time was found for writing and publication of over fifty articles in the surgical literature. Professor Shallow, with the collaboration of his staff, published papers dealing with various aspects of surgery of the large and small bowel, pancreatic inflammation, congenital anomalies of the biliary passages and abdominal blood vessels, vascular tumors of skeletal muscle and tumors of the bone. Professor Shallow has prepared papers for publication on traumatic pancreatitis, enterogenous cysts of the duodenum, gastroenterocolic fistulae and on pharyngeal diverticula.

Professor Davis has published papers on nasal deformities, bilateral cleft lip, deformities of the face, and on basal cell lesions of nose, face and lips. Professor Jaeger has published papers on the autonomic nervous system and spinal injuries. Professor Lemmon published additional articles dealing with his experiences with continuous spinal anesthesia. Professor Walkling has continued to work with the Endocrine Clinic and has been joint author of a number of publications coming from that group. Dr. Wagner has gone on with his work on arteriography and venography. Currently clinical and literary research is being conducted on tumors of the pancreas and liver, arteriography and venography, on the etiology of varicose veins and on supplemental casein hydrolysate feeding during postoperative convalescence.

At the present time there are six surgical residents in the Department. It is planned to increase the number of residents and fellows to at least ten or twelve. An effort is being made to provide additional training in surgery for those men who have served in the armed forces and who need more training in order to fulfill the requirements of the American Board of Surgery. Surgical residencies, as at present constituted, provide for a three-year period of training in surgery which includes training in the basic sciences related to surgery. For those residents who show exceptional promise of development, the period of training will be extended to five years. With the collaboration of other departments it is hoped that every man taking a general surgical residency can be given suitable training in all the surgical specialties.

With the appointment of Professor Gibbon and the resignation of Professor Muller, the Department of Surgery has been reorganized so that the direction of the Department lies with the Samuel D. Gross Professor of Surgery, who is Head of the Department of Surgery. The surgical specialties of neurosurgery, maxillofacial surgery and rectal surgery are under the direct supervision of Professor Shallow, the Head of the Department. Professor Gibbon supervises the activities of the division of thoracic surgery, under the direction of the Head of the Department. After the allocation of the specialty beds, general surgical beds are divided between Professors Shallow and Gibbon, to facilitate administrative supervision and teaching.
The Neurosurgical Division under its present management is new to Jefferson Medical College and Hospital. In June, 1943, Dr. Rudolph Jaeger, formerly associate professor of surgery and chief of neurosurgery at the University of Colorado School of Medicine, the Presbyterian, St. Anthony, Children's, Denver General and Fitzsimmons General (U. S. Army) Hospitals, was appointed by the Board of Trustees to direct and develop a department of neurosurgery under the supervision of Professor Shallow. A suite of rooms has been provided and equipped as an office on the first floor of the old hospital building.

The west side of the eighth floor operating room has been rebuilt and equipped so that the intricate and highly specialized operations necessary in surgery of the brain, spinal cord and the nerves can be performed. Electro-encephalographic apparatus and trained technicians are available for this modern method of studying surgical lesions of the brain. A new roentgenographic apparatus has been installed for the study of brain and spinal lesions. With this modern equipment, and by using air contrast medium, a precise diagnosis and localization of gross lesions of the brain can be made. The employment of the new spinal x-ray contrast material, pantopaque, has also contributed to the accurate diagnosis of spinal cord lesions.

Approval of the training of neurosurgical residents has been obtained from the American Medical Association and it is planned to have at least three residents or fellows in this division. There is close cooperation with the Neurological Department and physiologic and pathologic research is planned in the new laboratories being constructed on the eighth floor of the college building. A motion picture lending library of most of the standard neurosurgical procedures has been developed and is maintained by the Neurosurgical Division for distribution to the profession. The films are in color, 16 mm., and are titled. For instruction purposes they are self-explanatory and can be shown on any amateur projection machine.

With the contemplated expansion of the department for diseases of the chest of the College Hospital, a considerable increase in the amount of thoracic surgery is expected. At the present time there is one resident in thoracic surgery and it is expected that at least two will be required as this department expands. Already the amount of operative work performed in the Pine Street Building this year has shown a great increase over that performed during the previous year.

A new departure is marked for Jefferson by the establishment of surgical research in the Department of Surgery. Plans have been drawn up to house surgical research on the eighth floor of the college building in the northeast wing. Provision is being made there for four laboratories, a sterilizing room, an air-conditioned operating room, a small room for postoperative laboratory animals, a storeroom, a secretarial office and an office for the Director. Architectural plans have been completed and construction work has been started. Completion of the construction is dependent upon the supply of materials, but it is hoped that the laboratories will be available by September, 1946 at the latest. It is planned to have at least two research associates on a part or full time basis. In addition, the laboratory facilities will be available to members of the Department of Surgery for the investigation of any problems which they may desire to carry on, subject to the approval of the Director and the availability of space, equipment and technical help.

At present the research problems which are contemplated include: (1) further work on methods for maintaining life during temporary arrest of the flow of blood through the heart and lungs, (2) observations on pulmonary edema follow-
ing intravenous fluids when pulmonary tissue is reduced, (3) studies on lymph drainage from the lung and (4) observations on the effects of vascular anastomoses in the presence of pulmonary stenosis.

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

Lewis C. Scheffey, M.D., is Head of the Department, Professor of Obstetrics and Gynecology and Director of the Division of Gynecology.

The combining of the Departments of Obstetrics and Gynecology into one Department, headed by Professor Lewis C. Scheffey, is fully discussed elsewhere in this Bulletin and will not be repeated here. The activities of both former departments will be considered under the headings of the Division of Gynecology and the Division of Obstetrics.

Division of Gynecology

Professor Scheffey is the Director of this division. The staff was depleted during the war years by the absence of several men who served in the Armed Forces. Drs. Weakley and Porreca served in the Navy and Drs. Shellenger and Dickson were in the Army. These doctors have now been separated from the service and their positions in the Department of Obstetrics and Gynecology at Jefferson await them.

Dr. Brooke M. Anspach, Emeritus Professor of Gynecology, continues actively in his field of practice.

When the International Cancer Foundation, with the approval of the Philadelphia County Medical Society, established Cancer Prevention Clinics in the five teaching hospitals throughout the city, the one at Jefferson was housed in the Gynecological Out-Patient Department under the supervision of Professor Scheffey. Dr. Hahn, assisted by Dr. E. J. Murphy and Dr. Farrell carried on this work on Friday mornings previous to the weekly Cancer Follow-Up Clinic which is an integral part of the General Tumor Clinic.

Through Dr. Rakoff the division is ably represented in the Endocrine Clinic as noted in the detailed report of that group.

During the past four years, nearly one hundred presentations and published articles have been produced by various members of the staff, either individually, collectively or in participation with members of other departments, covering a wide range of subjects. The outlet for this work has been provided by the appearance of these staff members on the programs of numerous national, state, county and local organizations, thus allowing for a wide range of publication in many medical and scientific journals. Worthy of special mention is the text entitled "Female Endocrinology, including Sections in the Male," by Dr. Jacob Hoffman, and published by Saunders in 1944 which enjoys a wide distribution throughout the country.

Among the clinical problems that are being studied are: (1) follow-up in the management and treatment of uterine malignancy, (2) importance of the vaginal smear technic in diagnosis of pelvic cancer, (3) histologic studies in non-invasive cervical cancer, (4) endocrine studies and therapy in gynecology, (5) associated gynecologic and urologic problems, (6) newer and original methods of operative technic, (7) postoperative thrombosis in gynecologic patients and other phases of postoperative management, (8) general endocrine problems in cooperation with the Endocrine Clinic, (9) bacteriological studies in pelvic inflammatory disease.
One of the forward steps taken by the department was the institution of residencies in conjunction with the Division of Obstetrics in January 1944. Beginning modestly, and with the handicap of the accelerated medical school teaching program to contend with, the service has gradually expanded, and there are now four residents on duty with a fifth man appointed. All are veterans.

A three-year service has been planned for each resident. The ultimate aim is to integrate basic science training with the program recommended as part of the overall plan of resident training at Jefferson. It is felt that, with elaboration of the plans in effect at present, men well-trained in obstetrics and gynecology can be graduated at intervals of nine months as the program now instituted gradually unfolds itself. The combining of the Department of Gynecology and the Department of Obstetrics should offer even greater opportunity for the attainment of the ideals entertained for our residents in this new Department.

**Division of Obstetrics**

Professor Thaddeus L. Montgomery is Director of this Division. The chief changes in the staff have been the resignations of Dr. Vaux as Professor of Obstetrics and of Dr. Lull as Clinical Professor of Obstetrics. Both resignations became effective in the spring of 1946. Dr. Vaux has been appointed Emeritus Professor of Obstetrics by the Board of Trustees. To fill the vacancy left by the resignation of Dr. Vaux, Dr. Thaddeus L. Montgomery was appointed Professor of Obstetrics and Gynecology and Director of Gynecology. Dr. George Ulrich, who for many years gave his services generously to the hospital, died on July 18, 1944. His loss was greatly felt by the Staff and the Student Body. The Alpha Kappa Kappa Fraternity has created a Memorial Lecture for Dr. Ulrich. The first one was given by Dr. Nicodemus of the Danville Memorial Hospital and the last lecture in February was delivered by Dr. Thaddeus L. Montgomery who at that time was Professor of Obstetrics and Gynecology at Temple University Hospital.

In spite of a smaller staff the number of patients delivered, both in the outside and inside service has increased. Thus the men who remained had a dual job: to teach students under the accelerated curriculum and to take care of the increased clinical work. The men who entered the Armed Forces were: Drs. Bland, Brown, Ebner, Ellson, Feo, Finn, Keithan, Dramen, Mogan, Prince, Roeder, Rossett, Siddall, Stanton, Wainer and Williams. Dr. John R. Siddall lost his life in service. The absence of these men, of course, resulted in a serious depletion of the staff.

A great many articles have been contributed to the literature by members of the staff in the past four years. Many clinics both at home and abroad were attended by the men of the staff. A symposium on obstetrics and gynecology which appeared in the November 1945 issue of the “Medical Clinics of North America,” and also in the “Surgical Clinics of North America” was composed of articles mostly from the staff at Jefferson Medical College.

Among the books published during the past four years is “Obstetrical Analgesia” by Clifford B. Lull and Hingson which is now in its third printing. A great deal of the original anatomical work on the use of caudal anesthesia was done in conjunction with the Division of Obstetrics both at Jefferson Hospital and in the Daniel Baugh Institute of Anatomy. “The Mechanics of Obstetrics” by Vaux and Castallo was published in October 1943 and is now in its second edition. A “Synopsis of Obstetrical Histories” written by third year students in 1944 and 1945 has been edited.
Residencies in obstetrics and gynecology were started in 1944 and are described above under the activities of the Division of Gynecology. The building program of the Jefferson Medical College Hospital calls for the construction of a new women's building which will house the hospital activities of the Department of Obstetrics and Gynecology.

**DEPARTMENT OF NEUROLOGY**

Bernard J. Alpers, M.D., is Professor and Head of the Department of Neurology, the members of which have been actively engaged in research problems in the laboratories of the department.

Drs. Drayer and Ryan have recently returned from the Armed Forces to their former duties in the department. Drs. Markowitz and Durante are still in active service. Drs. Francis M. Forster, Royden C. Astley, and Winslow J. Borkowski have been appointed to the staff of the department. Since 1941, forty-eight articles by members of the department have appeared in the literature. Dr. Alpers is the author of a textbook entitled "Clinical Neurology" published in 1945 by P. A. Davis.

The following problems are currently being studied by members of the staff:

(a) Meningeal changes in brain abscesses. This is a pathological study into the localizing nature of the meningitis in brain abscess patients. (Drs. Alpers and Forster)

(b) Idiopathic porphyrinuria and central nervous system involvement. A study of the alterations in the peripheral nerves and central nervous system in this disease. (Dr. Schlezinger)

(c) The nature and degree of arteriosclerotic changes in the vessels of the retina, brain and viscera are being correlated with a view to determining the validity of basing the diagnosis of cerebral arteriosclerosis on eye ground changes of arteriosclerotic type. (Drs. Alpers, Forster, and Herbut)

(d) A clinico-pathologic study of pre-senile dementias. (Dr. Schlezinger)

(e) A review of acoustic neuromas presenting atypical clinical signs. (Drs. Alpers, Borkowski, and Forster)

(f) A report of lesions of the cerebellopontile angle other than acoustic neuromas and which were clinically confused with acoustic neuromas. (Drs. Alpers, Forster, and Borkowski)

(g) The role of fasciculations in muscle atrophy. Long term study of the number of fasciculations in muscle undergoing atrophy. (Drs. Alpers and Forster)

(h) X-ray studies of the relationship between abnormalities of filling of the chiasmatic cistern and suprasellar tumors. (Dr. Schlezinger)

(i) Late sequelae of kernicterus. Follow-up of patients who have survived kernicterus as children. (Dr. Schlezinger)

(j) The effects of topical applications of penicillin to the cerebral cortex. A study of electrical discharges and the motor and sensory results of such applications. (Drs. Borkowski and Forster)

(k) A comparison of the cortical effects of local applications of various convulsant drugs. (Drs. Forster and Borkowski)

(l) Further studies into the nature of muscle fasciculations and fibrillations. (Drs. Alpers and Forster)

The only physical change made recently has been the setting up of the electroencephalographic laboratory in a room in the Curtis Clinic. Studies made in this laboratory have become an active and important part of the work of this department.

At the present time two Fellows and one Resident are undergoing training. The facilities for training can be expanded to accommodate twice that number. The Residents are trained in the clinical facets of neurology; the Fellows in neuropathology and neurophysiology. The training is so arranged that each man in training spends time in a residency and a fellowship, thus tending toward a well-rounded training.
A most important step is in contemplation, the moving of the department to the eighth floor of the college building. Here the neuropathology laboratory will be set up, the electroencephalographic laboratory will be moved and a new neurophysiology laboratory will operate. This coordinated arrangement will provide for greater efficiency in the department.

DEPARTMENT OF PSYCHIATRY

Baldwin L. Keyes, M.D., is Professor and Head of the Department.

During the last four years this department has carried on its work with difficulty owing to a serious depletion of its staff. Dr. Baldwin L. Keyes organized the 38th Army General Hospital, the Jefferson Affiliated Unit, and in May 1942 led the unit into active duty. Colonel Keyes continued in Army Service until January, 1946 when he returned to Jefferson Medical College and resumed his duties in the Department of Psychiatry. Drs. Garber, Hastings, Sneedeker and Urbaitis were also granted leave of absence to enter military service. Dr. Garber has returned to take up his duties with the department.

During the war the department functioned under the able direction of Associate Professor Robert A. Matthews in the capacity of acting Professor. The difficulties which Dr. Matthews and Dr. Bookhammer and the remaining staff confronted were considerable because of the accelerated schedule and the depletion of the teaching staff. The bulk of the didactic and ward teaching was carried on during these years by Dr. Matthews and Dr. Bookhammer with the assistance of Dr. Kenneth Corrin, Dr. Frederic Kramer, Dr. Milton K. Meyers and Dr. James Mahoney.

Dr. Hastings has resigned to assume a teaching position at the Women's Medical College. Dr. Mahoney resigned to enter private practice in Council Bluffs, Iowa. Drs. Jay T. Shurley and Domenic Rovito are the only two additions to the staff within the past four years. Dr. Bookhammer has been appointed Chief of the Children's Psychiatric Clinic.

A full-time residency in Psychiatry was established in October, 1944, but the position was not filled until July, 1945, inasmuch as the number of residencies granted the institution was reduced by the Office of Procurement and Assignment in 1944. The addition of a full-time resident has greatly enhanced the service which the department has been able to render in the various medical wards of the hospital and it is anticipated that in time the work will necessitate the services of at least two residents and two fellows.

The number of teaching hours devoted to Psychiatry has remained essentially unchanged during the past five years. The subject continued to be taught in all four years, with increasing emphasis on the dynamic aspects of the psychoneuroses and psychosomatic problems.

During the past year the curriculum was re-arranged in such a way as to provide ten hours of didactic teaching covering the psychoneuroses in the Sophomore Year, material which was formerly not presented until the fourth year. During the first half of the fourth year, clinical demonstrations covering psychosomatic problems have replaced the didactic teaching. The Saturday afternoon clinics at the Philadelphia General Hospital were continued but given every other week throughout the year rather than weekly during the last half of the Senior Year.

Due to the pressure of work the Staff could not engage in an active research program. In cooperation with the Endocrine Clinic group the problem of obesity
was investigated and material related to the psychological aspects of that condition served as the basis of several presentations before various medical groups. The material will ultimately be the subject of a medical publication. Papers were read by members of the Staff on psychiatric subjects before various County medical societies and other groups during the war and a number of articles published.

**DEPARTMENT OF PEDIATRICS**

Edward L. Bauer, M.D., is Professor and Head of the Department.

With the return from service overseas of Dr. Edward J. Moore and the addition of two new members to the department, the teaching staff nears completion. Two new appointments have been made. They are Drs. James Bigley and Constantine Roscoe, both recently discharged from the Army. The latter has a fine record in pediatrics in Cincinnati, Montreal and Philadelphia. His work in salicylate poisoning is outstanding. He expects to undertake some interesting original pediatric research at Jefferson. The return from the Armed Forces of Dr. Robert E. Steward and Dr. E. Carre Thomas is anticipated so that they may participate in the clinical and research problems of the Department of Pediatrics.

Several members of the department are engaged in studies on the infectious diseases, notably whooping cough, measles and infectious diarrhea of the newborn. Rheumatic infection in its various phases is at present a subject for continued investigation. Another research problem commanding attention in the department is the study of convulsions in infancy. The treatment of rheumatic chorea, which has been the subject of several departmental presentations, has attracted wide attention and much favorable comment. About ten articles have been published by members of the department in recent years.

**DEPARTMENT OF UROLOGY**

David M. Davis, M.D., is Professor and Head of the Department.

During the war years the Department of Urology has continued to grow. The following members of the Out-Patient staff have returned from military service: Drs. Edward T. Litt, Max Rosenzweig and J. Craig Clark. Dr. Willard M. Drake has been appointed Fellow in Urology and is engaged in researches on the mechanics of urinary conduction.

The Ward Service has been very active at all times, and it has been possible to continue ward teaching on the accelerated schedule in spite of the small staff available. With the present and future additions to the staff, it is hoped that the quality of undergraduate instruction can be appreciably improved. Alterations in the Urology Clinic have made two additional cystoscopic rooms available. Eleven articles have been published by members of the staff in recent years.

**DEPARTMENT OF OPHTHALMOLOGY**

Charles E. G. Shannon, M.D., is Professor and Head of the Department. The principal activities of this department during the past four years can be said to have been the contribution of personnel to the war effort. Drs. David M. Brooks, David Naidoff, Joseph Nocentini, and Joseph Waldman all served in the Armed Forces. Dr. Joseph Nocentini has been listed as missing. Drs. Bridgett, Hunt, Lipsius, Nocentini, and Radbill have been added to the staff during the past four years. Drs. Balentine and Brooks have recently resigned.

Nineteen articles have been published by various members of the department in recent years.
The constant endeavor of the staff has been to impart a working knowledge of ophthalmology to the graduating student. It is felt that such knowledge is essential to any doctor engaged in the practice of medicine. Every student has been required to own an ophthalmoscope and to be thoroughly conversant with its use.

The department hopes to have an ophthalmological resident added to its staff. It is felt that such a resident would be of great value to the hospital and to the department.

**DEPARTMENT OF ORTHOPEDIC SURGERY**

James R. Martin, M.D., is Professor and Head of the Department.

Dr. Henry Sigmond and Dr. Joseph Deitz have both returned to duty in the department having served in the Armed Forces. Dr. Sigmond was in the southwest Pacific theater and his unit served in New Britain, New Guinea, the Philippine Islands and Japan. Dr. Thomas Horwitz served with distinction with the Jefferson Hospital Affiliated Unit and later at the Vaughan General Hospital in Chicago. He is now on terminal leave and expects to return to the department shortly. He is the author of two recent articles on orthopedic surgery. Dr. Anthony DePalma has been added to the staff following a career of distinction in the United States Navy.

**DEPARTMENT OF OTOLOGY**

Horace J. Williams, M.D., is Professor and Head of the Department.

Special attention is being paid by members of the staff to the study and treatment of patients with a loss of hearing and to supplying them with hearing aids. A new Maico Audiometer has been added to the department. Mrs. Clay, who has been at the Naval Hospital, will soon return to give instructions in lip reading.

**DEPARTMENT OF LARYNGOLOGY AND BRONCHO-ESOPHAGOLOGY**

Louis H. Clerf, M.D., is Professor and Head of the Department.

The name of the department has been changed from the Department of Laryngology and Bronchoscopy to the Department of Laryngology and Broncho-Esophagology. All members of the staff except Drs. F. J. Putney and E. C. Britt who still are on active military duty, have returned from the Armed Forces.

Seventeen articles covering a wide range of subjects have been published by members of the department. Because of shortage of personnel it was not possible to carry out any investigations during the war period. In addition, training of Fellows and Residents was almost completely suspended. It is planned to have two Residents and in all probability a Fellow. In addition, a complete reorganization of the staff is contemplated so that younger men will be given more opportunity for training.

**DEPARTMENT OF DERMATOLOGY**

Frank Crozer Knowles, M.D., Professor and Head of the Department.

Dr. Evan B. Hume, former Fellow in Dermatology, has returned to the department from military service. He served in Cairo, Naples, and Rome as chief of the dermatological departments of various hospitals. Dr. John F. Wilson has been added to the department. He was a former Fellow in Dermatology and Syphilology at both the University of Minnesota and Columbia University. Drs. Corson and Pratt have published articles on “Red Moss Dermatitis” and “Spread of Dermatitis Venenata”. At present investigations are being carried out by members of the department on calcinosis cutis, tinea capitis and contact dermatitis from narcotics.
DEPARTMENT OF RADIOLOGY

Paul C. Swenson, M.D., is Professor and Head of the Department.

This department has undergone practically complete reorganization during the past few years both in physical facilities and in personnel. Dr. Paul C. Swenson, previously Associate Professor of Radiology at the College of Physicians and Surgeons, Columbia University, was appointed Professor and Head of the Department of Radiology in 1943 following the resignation of Dr. Kornblum. Dr. Willis F. Manges, Jr., will rejoin the staff as soon as he is released from the Army. In addition five Residents are currently being trained in this department.

Many architectural improvements have been made in the private and dispensary divisions, enhancing both their efficiency and their appearance. A great deal of new equipment has been added, including six new units already in operation and two more on order. The addition to the staff of Dr. Eberhard, with his background of specialized experience in Oncology and Radiotherapy, has increased considerably the efficiency of the service rendered by this department in therapeutic fields.

In addition to the regular courses of instruction in the fundamental aspects of Radiology given to undergraduate students, the department cooperates actively with other clinical departments in conferences for students, residents, fellows and staff members, an educational feature of obviously great importance.

Conditions prevailing during the war years have necessarily hampered all activities in this department other than those immediately concerned with teaching and service to the hospital. Nevertheless, the reputation of the institution has been furthered through the activities of members of this department during this period. For example, Dr. Swenson has served as president of the Philadelphia Roentgen Ray Society, as guest lecturer at the Post Graduate School of the University of Pennsylvania, and as director of weekly X-ray conferences held at the Post Graduate School at which several medical schools were represented. He also has assisted in the revision of a textbook of Radiology and has contributed to the Naval Manual of Radiology. Members of the staff of this department have published several papers and have presented material before local societies. The department is at present able and prepared to fulfill its important functions in the broad educational program of the institution.

THE ENDOCRINE RESEARCH GROUP AND THE ENDOCRINE CLinic

Perhaps in no other field of medicine does progress depend so much on the coordinated effort of men trained in various fields as it does in endocrinology. Therefore, an interdepartmental endocrine research group was founded at Jefferson Medical College in 1941 originally consisting of Drs. A. Cantarow, L. P. Hansen (Biochemistry); K. E. Paschkis (Physiology and Medicine); A. E. Rakoff (Gynecology and Obstetrics); and A. A. Walkling (Surgery). Later Dr. J. Stasney (Pathology) and Dr. W. Pearlman (Experimental Medicine) joined the group. In 1942 an interdepartmental Endocrine Clinic was organized at Jefferson Hospital, within the administration of the Department of Medicine, for the study and treatment of patients suffering from endocrine disorders as well as for teaching and research in Clinical Endocrinology.

The setup at Jefferson is unique in two respects: one is the interdepartmental nature of both the Research Group and the Clinic. The second is the fact that the same staff engaged in basic research in Endocrinology also carries out the clinical work. This makes for a constant flow of ideas from the laboratory to the
The research activities of this Group and Clinic can best be discussed under separate headings.

1. Metabolism of steroid hormones. It has been found that relatively large amounts of exogenous and endogenous estrogens and androgens are excreted in the bile, and undergo an enterohepatic circulation similar to that of bile acids. Contrary to the general belief, these hormones are not rapidly destroyed in the liver. However, an interconversion of steroid compounds takes place in the liver. Studies of excretion in the bile have been extended to that of synthetic estrogens.

It has furthermore been found that water insoluble steroid compounds, amongst them the steroid hormones, are readily soluble in sodium dehydrochlorate solution. This fact is not only of considerable theoretical interest but also offers therapeutic possibilities which are being studied in the Endocrine Clinic.

The broader significance of the bile excretion studies is indicated by the close chemical relationship of sex hormones, adrenal cortical hormones, Vitamin D, cardiac glucosides and many potent carcinogens.

2. Cancer problems. The above studies led logically into the field of cancer research. This has so far been approached from two angles. A study of the influence of sex hormones on the carcinogenic action of aminofluorene has led to the important observation that development of tumors of the liver (cholangioma, hepatoma, cysts) is intensified and hastened by estrogens and androgens, exogenous or endogenous, the excessive secretion of the latter being induced by gonadotrophic hormones. The significance of these findings is evident in view of the possible carcinogenicity of sex hormone-metabolites on the one hand, and in view of the role of the liver in the metabolism of sex hormones on the other.

Fractionation studies on bile, carried out by Dr. Pearlman, have resulted in the isolation of several hitherto unknown compounds, some of which may be precursors of naturally occurring carcinogens or intermediates in the metabolism of bile acids or sex hormones.

3. Thyroid studies. These have been largely concerned with the action of antithyroid drugs, especially thiouracil. Clinical studies have dealt with the toxic side actions. Experimental work designed to elucidate the mode of action, showed an inhibitory action of thiouracil on oxidative enzymes. The inhibition of the cytochrome oxidase system in the thyroid gland itself may indicate the mechanism by which this drug inhibits formation of thyroid hormone.

In collaboration with Dr. R. Evans and Dr. W. Peacock of the Massachusetts Institute of Technology the uptake of radio-active iodine as influenced by various factors, especially gonadal hormones, is being studied. The fact that uptake of iodine is one of the most sensitive indicators of thyroid function and that the radiation of radio-active iodine can be traced with comparative ease has also been used in some interesting and diagnostically important clinical studies.

Other studies of clinical nature included those of chronic thyroiditis, thyroid cancer and malignant exophthalmos.

4. Sex endocrinology. Clinical studies in female sex endocrinology include the comparison of the effect of various synthetic estrogens, studies of estrogen levels during labor and the hormonal treatment of habitual abortion. The formation of antihormones to various gonadotrophic hormones, and the clinical significance of the antihormones is being studied in collaboration with Dr. J. Leathem (Rutgers University).

In the field of male sex endocrinology important observations on eunuchoidism due to pituitary failure peculiarly limited to the gonadotrophic function, are being made and the effects of appropriate replacement therapy is being studied.
Within the framework of the Endocrine Clinic a constitution clinic has been organized. Dr. J. L. Angel (Anatomy) is working on the anthropological aspect in collaboration with the staff of the Endocrine Clinic and Dr. R. Matthews (Psychiatry) and Dr. P. Swenson (Roentgenology). A cooperative study of obesity is nearing completion and various other problems are being investigated.

Future development envisages expansion of the work outlined above and includes graduate teaching and training in the field of Endocrinology. Already students from South America have been attracted to Jefferson; two physicians, one from Mexico and one from Colombia, have worked in the Clinic and laboratories.

More extensive and systematic training for Fellows and Residents will be possible when more adequate facilities, space, technical and secretarial help become available. This is particularly true of the Clinic where such facilities at present are inadequate.

The work of the Endocrine Research Group has been supported by funds supplied by the College and by grants from outside donors. Recently an Endocrine Research Fund has been set up from donations from patients and friends.

The results of these studies during the past five years have been published in fifty-four papers, and have been presented at meetings of such national societies as the American Physiological Society, the Association for the Study of Internal Secretions, and the American Association for Cancer Research.

To the Members of the Alumni Association
Of Jefferson Medical College:

It is so easy—and so human—when an unpleasant experience is over, to forget it and go on as though it had never happened. Easy, that is, for those who have suffered no great loss, undergone no unusual hardship.

Those of you who have returned, or are about to return, from active duty will not soon forget the War, and we who remained at home will not forget what you have done.

As we have all learned, wars are no longer won entirely on the battlefield. Important work was done behind the lines caring for the wounded. Equally important work was done thousands of miles away, where life-saving drugs were developed and effective methods of treatment were perfected.

And right at home, maintaining the health of the civilian population, with a shortage of physicians and a scarcity of supplies, was an exhausting and, at times, a thankless task.

No, we shall not forget the War, but will rejoice in our Victory, and the experience gained by each and every member of our Alumni, either on the Battle Front or on the Home Front, will be of lasting benefit to Jefferson.

Working in close cooperation, the standard of health of our Nation will be raised and Jefferson will become an even greater Institution than it ever was before.

Very truly yours,

[Signature]

President—Board of Trustees.
MR. ROBERT P. HOOPER

The Alumni experienced great pleasure in helping to celebrate the Twenty-fifth Anniversary of Mr. Robert P. Hooper's association with the College as member and President of the Board of Trustees, at the Alumni Dinner, March 26, 1946. The following certificate was presented to Mr. Hooper with a silver medal in appreciation of his enthusiastic and faithful services, in carrying on his plans for a greater Jefferson.

The Alumni Association of the Jefferson Medical College of Philadelphia

In recognition of twenty-five years of constant devotion, enthusiasm, business acumen, inspiring leadership and indefatigable effort in every form of service necessary to foster a greater and an ever-growing Jefferson, we, the Alumni Association of the Jefferson Medical College of Philadelphia, Pennsylvania, present to

Mr. Robert P. Hooper

this silver medal in deep appreciation of all these qualities which have endeared him to us and as an expression of the greatest esteem in which we hold him.

Dated at Philadelphia this Twenty-sixth day of March, 1946.

[Signature]

President
Dear Fellow Alumni:

It lies within us to make what we will of our man-made institutions.

Three such collective efforts occupy between them most that we have to give: our School; our Alumni Association; our Profession.

To our school we owe our undying loyalty as the place where we were first nurtured in our profession; to our profession we owe all for the purposes for which we have dedicated our lives.

Joining these two is our Alumni Association through which we maintain contact with our school and out of which we extend our knowledge and skills in our practice.

All three require our constant attention to see that they grow and progress in step with the times; all three require our protection to see that no incursions or inroads are made on them that will make them less true to the ideals on which they were built.

With your help we can easily pledge the forward advance of Jefferson; with our help you can safeguard the principles of our profession; with the help of both the Alumni Association will live as the greatest, most loyal association of graduates of any medical school in the world.

Sincerely,

Dean.

The Trustees and Faculty Greet Doctors and Nurses Returning from the Services

A very delightful Tea was given by the Board of Trustees and the Faculty on June 7th to meet the personnel of the 38th General Hospital and the members of the staff of The Jefferson Medical College and its Hospital, who have served in World War II.

It was held in the Assembly Hall, which looked like a veritable summer garden, having been transformed by many ferns, lovely June flowers and the American Flags, the Flags of the 38th General Hospital and The Jefferson Medical College were artistically arranged at the end of the room.

It was all very beautiful and formed a colorful background for the many who came to greet those returning from all theatres of war. A most pleasant place to meet old friends and "pick up the threads" of events which had occurred during their absence.

Bequests

Announcement is made of receipt of a gift to the College of a bequest by the late Henry Reed Hatfield, for the establishment of a professorship and a fellowship in Urology. These are given in memory of his father, Nathan Lewis Hatfield, M.D. Dr. David M. Davis has been appointed to this professorship.
Mr. Edwin King Daly of "Dreamoldyne", Bryn Mawr, Pa., has been elected a member of the Board of Trustees of The Jefferson Medical College and its Hospital. He graduated from Fordham University and served in World War I with the 27th Division, was wounded in the battle of LeCateau, and was awarded the Purple Heart.

Mr. Daly is president of the Horn & Hardart Company of New York and the Horn & Hardart Baking Company of Philadelphia. He divides his time between these two separate, though related, companies. Mr. Daly started his business career with the First National Bank of New York, and later was associated with the Central Trust Company of New York (now the Central Hanover Bank and Trust Company), continuing there until 1923 when he entered the service of the Horn & Hardart Company of New York. He was in charge of real estate and finance activities of the company, and later became controller, assistant treasurer, assistant to the president, member of the board of directors, vice president in charge of operations, and finally in 1936 president of the Horn & Hardart Company of New York. While, primarily, an executive of the Horn & Hardart Company of New York, Mr. Daly was also active with Mr. Horn in coordinating the work of the two companies. In 1932 Mr. Daly moved his residence to Philadelphia. In 1933 Joseph V. Horn, founder and president of both companies chose Mr. Daly as his direct assistant in both cities. Subsequently, Mr. Daly became a member of the board of directors of the Horn & Hardart Baking Company, its executive vice president, and at Mr. Horn's death in 1941 he succeeded him as president of the Horn & Hardart Baking Company of Philadelphia.

Mr. Daly is a member of the Union League of Philadelphia, the Philadelphia Country Club, the Merion Cricket Club, the Penn Athletic Club, the Sunday Breakfast Club, the American Academy of Political and Social Science, the National Aeronautic Association, and the American-Irish Historical Society. He is a director of the Chamber of Commerce of Philadelphia, a director of St. Claire Hospital, New York, and a director of Children's Heart Hospital, Philadelphia.

Jefferson is most fortunate indeed in having added to its Board, another member who has so great a business understanding.
FRANK C. KNOWLES
Professor of Dermatology, 1919

University of Pennsylvania, M.D., 1902.
Formerly Assistant Professor of Dermatology, Medical School, University of Pennsylvania, and Clinical Professor of Dermatology, Woman's Medical College. Dermatologist to the Presbyterian and Pennsylvania Hospitals. Consulting Dermatologist to the Church Home for Children, Baptist Orphanage and Southern Home for Destitute Children. Member of American Dermatological Society.

War Record: In active service, May 15, 1917, to May 26, 1919; twenty-three months' overseas service. Dermatologist to the British General Hospital No. 16 (Pennsylvania Base Hospital No. 10), Le Trevot, France, seventeen months; Consultant in Dermatology, American Expeditionary Forces, six months. Started with rank of First Lieutenant and went through the grades of Captain, Major, Lieutenant-Colonel and became Colonel in the Medical Reserves.

Author of book, Diseases of the Skin. Wrote the section on the Diseases of the Skin Affecting the American Expeditionary Forces, for the Permanent War Records.

At a meeting of the Board of Trustees, March 11, 1946, Dr. Knowles was made Emeritus Professor of Dermatology.
NORRIS W. VAUX
Professor of Obstetrics, 1937

University of Pennsylvania, M.D., 1905. Interne at Pennsylvania Hospital, 1905-07. Studied at Dublin University, Rotunda Hospital, Dublin, Ireland.


Fellow of Philadelphia College of Physicians; Fellow of American Gynecological Society, Vice-President 1937-38; Member of American Medical Association; Philadelphia County Medical Society; Philadelphia Obstetrical Society, President, 1933; Chairman of Section on Obstetrics and Gynecology of the Medical Society of the State of Pennsylvania, 1938; Honorary Surgeon, First Troop, Philadelphia City Cavalry. War record: In active service, Base No. 10, Pennsylvania Hospital, U.S.A., May 15, 1917, to April 29, 1919. Life Member of Philadelphia Zoological Society.

Editor: Edgar's Obstetrics, 1926. Author of many papers on various obstetric and gynecologic subjects.

At a meeting of the Board of Trustees, March 11, 1946, Dr. Vaux was made Emeritus Professor of Obstetrics.
GEORGE P. MULLER, M.D.
Grace Revere Osler Professor of Surgery
Portrait presented by the Class of 1946
Painted by Miss Alice Kent Stoddard

Dr. Muller retired as Professor of Surgery—effective March 27, 1946
My dear Fellow Alumni:

I am looking forward with pleasure and expectation to serving as President of the Alumni Association, to which office you have so graciously elected me. I greatly appreciate your confidence in me and hope that we can again resume those activities interrupted by the war and the enforced absence of many of our members. Let us make it a banner year for Jefferson!

Sincerely,

[Signature]

President.
The Dinner of the Alumni Association of the Jefferson Medical College was held March 26, 1946, at 7 o'clock at the Bellevue-Stratford Hotel. It was attended by more than six hundred. Dr. William Harvey Perkins, President of the Association, presided. Many of the Alumni who have returned from the service, from all theatres of war were present. We were glad to greet Dr. William T. Lineberry, class of 1915, who was one of the first prisoners taken by the Japanese on Guam, and spent over three years in a prison camp.

Mr. Robert P. Hooper was presented with a silver medal and scroll in recognition of twenty-five years as a member of the Board of Trustees. Among the speakers were Dr. Baldwin L. Keyes, Professor of Psychiatry who went oversea as Commanding Officer of the 38th General Hospital and Dr. John H. Gibbon, Jr., who is now Professor of Surgery and Director of Surgical Research.

Dr. Jesse O. Arnold, Class of 1896 spoke for the men who had been in practice for fifty years or more; these were presented with honorary certificates and lapel buttons bearing the seal of Jefferson. Among those were Dr. John B. Carrell, M.D., '76 (70 years); Dr. Andrew B. Harbison, '78 (68 years); Dr. Martin E. Griffith, '85 (61 years); Dr. James R. Care, '86 (60 years), and Dr. J. Elmer Porter, '86 (60 years).

The services of Mr. Joseph J. Wilson, College Librarian for the past twenty-five years were recognized by the Alumni in the gift of a table, bearing a plate inscribed with his name, which is placed in the Library.

We hope that the members of the Alumni Association will cooperate in furnishing us with their latest addresses. So many of the men who have returned from the services have moved to new localities. We are most anxious that they all receive their mail; to accomplish this it is necessary that all new addresses be sent to the Alumni Office with the date of discharge and rank held at that time. It will be very helpful if every Alumnus knowing anyone who has made such a change, will suggest to him that he send us his new address. All information regarding this change will be greatly appreciated.

### FACTS CONCERNING MEMBERS OF GRADUATING CLASS

**March 27, 1946**

<table>
<thead>
<tr>
<th>Student</th>
<th>Name of Relative</th>
<th>School</th>
<th>Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harold Harr Alderfer</td>
<td><em>Brother:</em> Henry H. Alderfer, M.D.</td>
<td>Jefferson Medical College</td>
<td>1943</td>
</tr>
<tr>
<td>Edward Blake Babcock</td>
<td><em>Grandfather:</em> J. A. Lethiecq, M.D.</td>
<td>Jefferson Medical College</td>
<td>1894</td>
</tr>
<tr>
<td>Homer Wilson Boysen</td>
<td><em>Father:</em> Theodore Boysen, M.D.</td>
<td>Jefferson Medical College</td>
<td>1905</td>
</tr>
<tr>
<td></td>
<td><em>Brother:</em> Theophilus Henry Boysen, III</td>
<td>Jefferson Medical College</td>
<td>1940</td>
</tr>
<tr>
<td>William S. Carter, Jr.</td>
<td><em>Father:</em> Wm. Stanley Carter, M.D.</td>
<td>Jefferson Medical College</td>
<td>1909</td>
</tr>
<tr>
<td>Abraham Lincoln Cohen</td>
<td><em>Father:</em> Frank I. Cohen, M.D.</td>
<td>Jefferson Medical College</td>
<td>1910</td>
</tr>
<tr>
<td>John Paul Decker</td>
<td><em>Father:</em> Frank Albert Decker, M.D.</td>
<td>University of Ohio School of Medicine</td>
<td>1919</td>
</tr>
<tr>
<td>Joseph Murray Dolphin</td>
<td><em>Father:</em> Joseph Francis Dolphin, M.D.</td>
<td>Jefferson Medical College</td>
<td>1915</td>
</tr>
<tr>
<td>Paul James Dowdell</td>
<td><em>Brother:</em> Wm. F. Dowdell, M.D.</td>
<td>Jefferson Medical College</td>
<td>1944</td>
</tr>
</tbody>
</table>
Camille Thomas Flotte... *Father: C. J. Flotte, M.D.............. University of Pennsylvania
School of Medicine........ 1919
Joseph Peter Gadomski... *Brother: Casimir F. Gadomski, M.D. Jefferson Medical College... 1933
Edwin St. J. Greble, III... *Uncle: William L. Estes, Jr., M.D..... Johns Hopkins University
School of Medicine........ 1909
John Richard Griffith... *Father: Martin E. Griffith, M.D....... Jefferson Medical College... 1885
*Brother: J. C. Griffith, M.D....... Jefferson Medical College... 1927
*Brother: Jesse B. Griffith, M.D...... Harvard Medical School... 1919
Robert Austin Grugan... *Brother: Hartford E. Grugan, M.D. Jefferson Medical College... 1943
Robert William Haines... *Father: Wm. Henry Haines, M.D..... Jefferson Medical College... 1912
Charles Edmund Hanann. *Father: Charles E. Hanann, M.D..... Jefferson Medical College... 1892
Daniel Smith Harrop, Jr. *Father: Daniel S. Harrop, M.D.... Georgetown University
School of Medicine........ 1912
John Milton Keller...... *Father: Frederick E. Keller, M.D...... Jefferson Medical College... 1917
Charles Arthur Knowles... *Brother: Willard E. Knowles, M.D.... Jefferson Medical College... 1940
Sidney Koretsky......... *Brother: Leo Koretsky, M.D........ Jefferson Medical College... 1933
Robert Reed Lacock... *Father: Lester Earle Lacock, M.D. Jefferson Medical College... 1907
Frederic C. Lechner, Jr. *Father: Frederic C. Lechner, M.D.... Jefferson Medical College... 1919
Gamewell A. Lemmon, Jr. *Uncle: Wm. T. Lemmon, M.D..... Jefferson Medical College... 1921
John Paul Luhr......... *Father: Alfred Francis Luhr, M.D..... Jefferson Medical College... 1905
Forrest E. Lumpkin, Jr. *Grandfather: J. W. Park, M.D...... Louisville Medical College... 1876
*Cousin: J. W. Park, III, M.D...... Southwestern Medical
Foundation................ 1944
Joseph Lionel Melnick.... *Father: Theodore Melnick, M.D..... Medico Chirurgical College... 1915
William O. Muehlhauser. *Uncle: Norman H. Rahn, M.D..... Jefferson Medical College... 1901
James Michael O'Leary... *Brother: Thomas F. O'Leary, M.D.... Jefferson Medical College... 1931
Frank Cameron Palmer... *Father: Robert Moffat Palmer, M.D.... Jefferson Medical College... 1913
*Grandfather: L. H. Mayer, Sr., M.D..... Jefferson Medical College... 1887
*Uncle: L. H. Mayer, Jr., M.D..... Jefferson Medical College... 1913
Robert Eugene Sass....... *Father: Franklin E. Sass, M.D..... Jefferson Medical College... 1910
Norman McL. Scott, Jr...... *Father: Col. Norman M. Scott, M.D...... Tufts College Medical
School.................. 1911
Benjamin S. Perkins...... *Father: John D. Perkins, M.D..... University of Pennsylvania
School of Medicine........ 1916
George Kanter Reberdy... *Father: George Joseph Reberdy, M.D...... Wayne University College of Medicine...... 1910
Samuel Dunham Rowley... *Father: John Carter Rowley, M.D.... Harvard Medical School... 1906
Richard George Saleebey.. *Uncle: Eli R. Saleeby, M.D....... Jefferson Medical College... 1922
Robert Eugene Sass....... *Father: Franklin E. Sass, M.D..... Jefferson Medical College... 1910
Norman McL. Scott, Jr...... *Father: Col. Norman M. Scott, M.D...... Tufts College Medical
School.................. 1911
Bernard Dodd Sherer.... *Great-grandfather: John F. Yost, M.D..... Jefferson Medical College... 1862
Richard Tatum Shugart... *Uncle: Roy C. Tatum, M.D.... Jefferson Medical College... 1919
David Goodman Simons... *Father: Samuel Shirk Simons, M.D.... Jefferson Medical College... 1923
*Uncle: John S. Simons, M.D..... Jefferson Medical College... 1923
*Uncle: Isaac S. Simons, M.D..... University of Pennsylvania
School of Medicine........ 1915
Earl Kepner Sipes........ *Father: Dwight R. Sipes, M.D..... Electic Medical College... 1922
Robert Joseph Sullivan... *Brother: F. J. Sullivan, Jr., M.D..... Jefferson Medical College... 1939
Frederick Urbach... *Father: Erich Urbach, M.D......... University of Vienna School
of Medicine.............. 1920
*Mother: Josepha Urbach, M.D...... University of Vienna School
of Medicine.............. 1921
*Brother: John Urbach........ University of Pennsylvania
School of Medicine........ 1947
Duncan D. Walker, Jr. .... *Father: Duncan Devane Walker, M.D..... Jefferson Medical College... 1912
Richard A. Worsham.... *Grandfather: Gaston Armstrong, M.D..... Jefferson Medical College... 1870
*Deceased
THE NEW DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

The Board of Trustees, in announcing the retirement of Dr. Norris W. Vaux as Professor of Obstetrics with the close of the current school year in March, stated that the Department of Gynecology and the Department of Obstetrics would be combined to become the Department of Obstetrics and Gynecology. Dr. Vaux, who succeeded Professor P. Brooke Bland in 1937, was elected Emeritus Professor of Obstetrics and Consulting Obstetrician and Gynecologist to the Jefferson Hospital.

Doctor Lewis C. Scheffey, Professor of Gynecology since 1940, was named Head of the Department, Professor of Obstetrics and Gynecology, and Director of the Division of Gynecology.

Doctor Thaddeus L. Montgomery, chosen to replace Dr. Vaux, was appointed Professor of Obstetrics and Gynecology, and Director of the Division of Obstetrics, with professorial rank equal to Dr. Scheffey's.

Doctor Montgomery returns to Jefferson with an enviable record. In 1940, when Clinical Professor of Obstetrics at Jefferson, he was called to Temple University Medical School as Professor of Obstetrics and Gynecology, and Head of the Department. He leaves this position with a splendid story of accomplishment during his tenure of office there. Born in Macon, Illinois, he is a nephew of the late Professor E. E. Montgomery, Professor of Gynecology at Jefferson from 1898 to 1921. Dr. Montgomery received an A.B. degree at the University of Illinois in 1917, and graduated from Jefferson Medical College in 1920. Fol-
lowing a two-year internship at Jefferson Hospital, he was appointed Clinical Assistant in Surgery and Assistant Demonstrator of Anatomy in the hospital and college, serving from 1922 to 1925. He then began his service in the Department of Obstetrics advancing through the grades in sequence from Assistant Demonstrator to Clinical Professor, attaining the latter rank in 1937. For a number of years he was personal assistant, not only to the late Dr. E. E. Montgomery, but to the late Dr. P. Brooke Bland, Professor of Obstetrics at Jefferson from 1925 to 1937.

In addition to his present position, Dr. Montgomery is also Attending Obstetrician and Gynecologist to the Philadelphia General Hospital, Consulting Obstetrician and Gynecologist to the Beebe Hospital, Lewes, Delaware, and Consulting Gynecologist to the Vineland Training School, Vineland, N. J. He is a co-author, with the late Dr. Bland, of a "Text Book of Practical Obstetrics," published by F. A. Davis Co., and has contributed widely to the literature of obstetrics and gynecology. His work on the pathology of the placenta is outstanding.

Dr. Montgomery is a member of the following societies and organizations: American Medical Association, Medical Society of Pennsylvania, Philadelphia County Medical Society (Member, Board of Directors), Obstetrical Society of Philadelphia (President, 1941-42), American Gynecological Society, American Association of Obstetricians, Gynecologists and Abdominal Surgeons, Diplomate of American Board of Obstetrics and Gynecology, American College of Surgeons, College of Physicians of Philadelphia, and of the Gynecological and Obstetrical
Travel Club of North America. He is a founder and charter member of the Jefferson Society for Clinical Investigation. He holds membership in Alpha Omega Alpha, Zeta Psi, and Nu Sigma Nu fraternities; also in the Art Alliance of Philadelphia, and the Philadelphia Country Club.

While Dr. Montgomery's major responsibility at Jefferson will be the development and conduct of the Division of Obstetrics, he will in no wise restrict his endeavors to this field but will continue gynecological practice, and participate in the activities of the Division of Gynecology in cooperation with Dr. Scheffey.

The unification of the two departments has been accomplished, in the belief that the move will promote and integrate to decided advantage the teaching and practice of these allied branches at Jefferson. The training of younger staff members, residents and interns, especially with respect to their eligibility for certification by the American Board of Obstetrics and Gynecology, will be greatly enhanced by utilizing the present and proposed facilities of the new department to the mutual benefit of all concerned.

In this respect, and for the time-being at least, the present staffs function in the college, hospital and out-patient department as the "Division of Obstetrics" and the "Division of Gynecology" respectively. A weekly staff meeting of the Department of Obstetrics and Gynecology is held in the clinical amphitheatre each Saturday morning, 8:30 to 10:30 A.M., when the activities of each division are discussed and commented upon. One meeting each month is devoted to a statistical review of the out-patient, ward and private services of the department.

Four residencies are being maintained, the residents rotating in sequence from (1 and 2) private obstetrics and gynecology to (3 and 4) ward obstetrics and gynecology—each for intervals of nine months over a total three-year period. It is hoped to provide fellowships for advanced work for promising individuals beyond this time, as the department continues to expand materially.

The combining of the departments has necessitated an over-all change in the plan of study previously existing when the departments were separate.

In the Junior year, the lectures, clinics and demonstrations are largely obstetrical during the first two trimesters, with major emphasis on gynecology during the third trimester. Alterations have been made in the maternity section of the hospital, designed to improve the teaching facilities in the Division of Obstetrics, for students are now domiciled in the hospital in staggered groups throughout the Junior year for their clerkships and participation in deliveries under the supervision of their teachers.

In the Senior year, the Division of Obstetrics and the Division of Gynecology function simultaneously, as in the past, but the weekly clinic formerly held in obstetrics is now known as the "Obstetrical and Gynecological Conference," and this is participated in by other departments of the college and hospital when pertinent and related subjects are discussed. Weekly afternoon instruction periods in: (1) endocrinology, fertility and sterility; (2) obstetrical and gynecological pathology; (3) special subjects closely allied with obstetrics and gynecology;—have been arranged for groups of one-third of the class throughout the Senior year. Out-patient work in the Senior year continues as in the past but increased facilities for clinical obstetrics are being provided. The gynecological clerkship and out-patient instruction in the Senior year, together with the weekly clinical conference in the clinical amphitheatre, is being continued as before.

It is recognized that the new departure in obstetrical and gynecological instruction at Jefferson is in some respects a new venture, but there is every reason to believe that the department as now constituted will enhance the prestige of Jefferson and its graduates in this particular field.
Dr. A. J. Orenstein has had many unusual and interesting experiences during his years of military service about which he has written us. We are sure the members of his class and the other Alumni will enjoy reading the following extracts from some of his letters, thus learning of the many honors conferred upon him.

"Inducted as Director General of Medical Services, Union Defense Forces, in 1939. Director of Medical Services, (Brigadier) in the East Africa-Somaliland-Abyssinia Campaign, 1940-1941. Mentioned in dispatches. Awarded Commander of the Order of the British Empire.


"Returned to South Africa. Resumed post of Director General of Medical Services, in 1943. Promoted Major General, 1945.

"In the 1914-1918 War I served with the Union (i.e. South African) Forces in various capacities, ultimately as Director of Medical Services, and was awarded Companion of St. Michael and St. George.

"The various initials about which you inquire are:

"M.D. and LL.D. you know.

"M.R.C.P.—Member of the Royal College of Physicians.

"C.B.—Companion of the Bath.

"C.M.G.—Companion of St. Michael and St. George.

"C.B.E.—Commander of the Order of the British Empire.

"The three crosses are hung from above downward in the order given in the preceding paragraph.

"The cross on the extreme left of the medals is a Belgian award—Knight of the Crown."

Chief Medical Officer

"Inducted as Director General of Medical Services, Union Defense Forces, in 1939. Director of Medical Services, (Brigadier) in the East Africa-Somaliland-Abyssinia Campaign, 1940-1941. Mentioned in dispatches. Awarded Commander of the Order of the British Empire.


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"The cross on the extreme left of the medals is a Belgian award—Knight of the Crown."
On July 19, 1946, Dr. Frank Frantz will celebrate his 100th Birthday. Dr. Frantz is the oldest living Jefferson graduate. It has been twenty-five years since he practiced his profession, but he likes to recall "those horse and buggy days", when he was a young physician. He was born July 19, 1846 at Wabank near Millersville, a son of Jacob M. and Anna Frantz. His early education was obtained in the Manor Township Public School and the Millersville Normal School. On March 12, 1869 he graduated with 125 other young men from Jefferson. During the height of his practice he owned four horses in order to be able to make emergency calls. Some days he drove as many as forty miles on his rounds. He recalls two epidemics of the dreaded spinal meningitis. About a dozen of his patients contracted the disease but he did not lose any. Dr. Frantz has had many other interesting experiences during his active years of practice. It is with the greatest pleasure that we congratulate him and hope for his good health and happiness.
On February 22, 1946, Dr. John P. Carrell, M.D., was presented with a Good Citizenship Medal from the Sons of the American Revolution at the Bellevue-Stratford during a luncheon. Dr. Carrell, who is ninety-five years old, graduated from Jefferson Medical College in 1876.

The Alumni Association had the pleasure of presenting Dr. Carrell with a certificate on his seventieth Anniversary of his graduation from the College at the Alumni Dinner, March 26, 1946. During this dinner the plan was consummated in giving a certificate and a gold lapel button bearing the seal of Jefferson to every graduate of fifty years or more of practice.
On July 1, 1945 Abraham Cantarow was appointed Professor of Biochemistry. Dr. Cantarow was the first resident in Chemistry at Jefferson, a post which he took following his graduation. He served his internship at the Hospital, after which he became Assistant Demonstrator of Medicine and Research Fellow in the Department of Diseases of the Chest. He was made Associate Professor of Medicine in 1939. He is the author of several books on biochemical subjects, and has collaborated in the preparation of many articles in the biochemical field.

He is a member of the American Physiological Society, the American Medical Association, the American Association for the Advancement of Science and many other organizations.
Dr. Gibbon, a native of this city was graduated from Princeton in 1923 and from Jefferson in 1927. He interned at Pennsylvania Hospital. He was a Research Fellow at Harvard Medical School in 1930, and again in 1934 and 1935. He was the George Leib Harrison Fellow in Surgical Research at the University of Pennsylvania from 1936 to 1941. He is a member of the Philadelphia County Medical Society, the Pennsylvania State Medical Association, the American Medical Association, the American Association for Thoracic Surgery, the Society of Clinical Surgery, the Philadelphia Physiological Society, the Eastern Surgery Society, the Laennec Society of Philadelphia, the College of Physicians of Philadelphia, the Philadelphia Academy of Surgery, and the American Surgical Association, of which he is the Recorder. In 1940 he was commissioned Major in the Army Medical Corps. After 32 months in the South and Southwest Pacific theaters with the Pennsylvania Hospital Unit, during which he became Lieutenant Colonel, he returned home in October, 1944. He was chief of the surgical service at the Mayo General Hospital, Galesburg, Illinois, from January, 1945 until November, 1945, when he returned to Philadelphia. He was appointed Assistant Professor of Surgery at the University of Pennsylvania School of Medicine in December, 1945. On January 1, 1946, he was appointed Professor of Surgery and Director of Surgical Research at Jefferson Medical College.
Dr. J. Parsons Schaeffer

Dr. J. Parsons Schaeffer, Professor of Anatomy and Director of the Daniel Baugh Institute of Anatomy of The Jefferson Medical College, was awarded a gold medal and a scroll by The Philadelphia County Medical Society, in "recognition of his long and distinguished career as a teacher, author and scientist in the field of Anatomy, and his sincere and untiring devotion and constructive efforts to safeguard high standards of medical research."

The award was founded in 1923 by Dr. I. P. Strittmatter, '81, former President of the Philadelphia Medical Society "to foster high ideals and distinguished service redounding to the credit of the medical profession in the interest of humanity."

The presentation was made by Dr. Warren B. Davis, Clinical Professor of Plastic and Reconstructive Surgery at Jefferson Medical College.

General Alumni News

Dr. Conrad E. Albrecht '32

After forty-four months of service in Alaska, was discharged with the commission of Lieutenant Colonel in command of a five-hundred bed Station Hospital at Fort Richards, Alaska. He has been appointed by Governor Greening, as Commissioner of Health for all the territory of Alaska, and is now in Juneau, Alaska.

Dr. William H. Ziegler

Dr. William H. Ziegler, Class of 1880, who was born April 4, 1855 has been a member of the Board of Education since 1881. We are glad that Dr. Ziegler is enjoying good health and is still active in his profession.

Captain Leonard McGee

The Nazareth Hospital has dedicated its newly formed Blood Bank to Leonard McGee, Class of 1943, AUS., who was killed in action in Germany on March 24, 1945, while serving as battalion surgeon of the 194th Glider Infantry, 17th Airborne Division.

Captain McGee went overseas in August, 1944, and took part in campaigns in Holland, Belgium, France, Luxemburg and Germany. He was transferred to the 194th from the 193rd Infantry Glider Division. He was promoted to Captain, on the battlefield, by General Eisenhower. He was awarded the Purple Heart, with four Oak Leaf Clusters.

Dr. Mario A. Castallo

Dr. Mario A. Castallo, Class of 1929, Obstetrician and Gynecologist has been given the honorary degree of Doctor of Science by Holy Cross College.

Francis Braceland, M.D., Class of 1930 has been appointed head of the newly formed Department of Psychiatry at the Mayo Clinic, and Professor of Psychiatry at the University of Minnesota.
THE JOSEPH J. WILSON TABLE
PRESENTED BY
THE JEFFERSON MEDICAL COLLEGE ALUMNI ASSOCIATION
IN COMMEMORATION OF
TWENTY-FIVE YEARS AS LIBRARIAN AND FRIEND
MARCH 26, 1946

The inscription that appears on the silver plate on the table "Presented to Mr. Wilson, May 26, 1946 by the Alumni Association of the Jefferson Medical College."
THE JEFFERSON MEDICAL COLLEGE

ALUMNI DAY CLINICS
MARCH 26, 1946

CLINICAL AMPHITHEATRE, 9:45 A.M.

10:00 A.M. Louis H. Clerf, M.D., '12
"Bronchogenic Carcinoma."

10:15 A.M. Thomas A. Shallow, M.D., '11
"Cyst Adenoma involving the Body and Tail of the Pancreas—Successful Resection."

10:30 A.M. Abraham Cantarow, M.D., '24
"Studies in Experimental Carcinogenesis."

10:45 A.M. Hobart A. Reimann, M.D.
"Antibiotic Therapy."

11:00 A.M. Baldwin L. Keyes, M.D., '17
"Post War Neurosis."

11:15 A.M. Garfield G. Duncan, M.D.
"Amebiasis."

11:30 A.M. Paul C. Swenson, M.D.
"Some Remarks on the Use of Pelviography."

11:45 A.M. Lewis C. Scheffey, M.D., '20
"Modern Concepts in the Diagnosis and Treatment of Fundal Carcinoma."

12:00 Noon Burgess L. Gordon, M.D., '19
"Experiences in Living in a Hot Climate."

12:15 P.M. Rudolph Jaeger, M.D.
"The Modern Surgical Treatment of Brain Tumor."

12:30 P.M. John H. Gibbon, Jr., M.D., '27
"The Plastic Closure of Decubitus Ulcers."

12:45 P.M. Harold W. Jones, M.D., '17
"Remarks on Liver-Spleen Disease."

EX-INTERNES' AND CLASS REUNION CLINICS
MARCH 25, 1946

CLINICAL AMPHITHEATRE, 9:45 A.M.

10:00 A.M. James Webster, M.D., '44
"The Value of a Routine Gynecological Examination."

10:10 A.M. Frederick B. Wagner, M.D., '41
"Aortography in Abdominal Diagnosis."

10:20 A.M. T. H. Boyson, M. D., '40
"A Review of Thrombosis."

10:30 A.M. Alison Price, M.D., '38
"Meningitis."

10:40 A.M. John J. O'Keefe, M.D., '37
"Paralysis of the Larynx."

10:50 A.M. Hayward R. Hamrick, M.D., '35
"Hospital Administration."

11:00 A.M. Charles W. Semisch, M.D., '33
"Treatment of Acute Left Ventricular Failure."

11:10 A.M. John J. Cheleden, M.D., '32
"The Incontinent Anal Sphincter."
11:20 A. M.  Nathan S. Schlezinger, M.D., '32
 "Neurological Sequelae of Kernicterus Associated with Rh. Factor Incompatibility."

11:30 A. M.  Kenneth E. Fry, M.D., '31

11:40 A. M.  Joseph Waldman, M.D., '31
 "Glaucome in General Practice."

11:50 A. M.  Theodore R. Fetter, M.D., '26
 "Management of Early and Late Carcinoma of the Prostate."

12:00 Noon  John T. Eads, M.D., '26
 "The Present Status of Modern Treatment of Peptic Ulcers."

12:10 P. M.  John B. Montgomery, M.D., '26
 "Management of the Menopause."

12:20 P. M.  Edward Weiss, M.D., '17
 "Psychosomatic Aspect of Cardiovascular Disease."

12:30 P. M.  J. Allen Bertolet, M.D., '16
 "The Physician and The Coroner."

12:40 P. M.  O. Spurgeon English, M.D., '24
 "Treatment Suggestions for Psychosomatic Problems."

**LIBRARY NEWS**

With the resumption of interest in civilian medicine and in researches both at home and abroad, the Library has already turned its attention to fields divergent from military medicine.

During a period of four years little was known of European medical research. The Library is now attempting to fill this gap by securing materials which were inprocurable during a period of war, among which include lithographed copies of Beilstein’s *Handbuch der Organischen Chemie, Biochemisches Handlexikon* and *Handbuch der Experimentallen Pharmakologie*. In addition, foreign-language journals which ceased being received by the Library during the war period are reappearing, the first of which to arrive being all of the war-time issues of *Archives Internationales de Pharmacodynamie et de Thérapie*.

The resumption of interest in civilian medicine in our own country has caused the termination of some journals of a military interest, and in their stead the Library is receiving periodicals such as *Occupational Medicine, Journal of the History of Medicine, Geriatrics*, and *Blood, the Journal of Hematology* of which Dr. Leandro M. Tocantins ('26) is a member of the editorial board.

In addition to new journals, new books are appearing in rapid succession, and by selecting the best of these, the Library is maintaining an up-to-date collection. A number of the new books have been written by members of the faculty and alumni, among which the Library has received copies of Dr. Bernard J. Alper’s *Clinical Neurology*, Dr. John T. Farrell, Jr.’s ('22) *Roentgen Diagnosis of Diseases of the Gastrointestinal Tract*, and new editions of Dr. David M. Davis’ *Urological Nursing*, Dr. Herbert T. Kelly’s ('25) *Simplified Diabetic Management*, Dr. Abraham Cantarow’s ('24) *Clinical Biochemistry*. The Library now has 43,000 volumes.

The Library is anxious to maintain a complete file of not only books published by the alumni, but also articles published by the alumni. Among those who, during a recent period, have presented to the Library reprints of their publications include Doctors J. Bernard Bernstine ('22), Nathan Blumberg ('07), George J. Boines ('29), Louis H. Clerf ('12), Abraham Cohen ('25), John

Noticeable has been the frequent use of the Library by doctors discharged from the Armed Services. Innumerable members of the alumni have used the Library facilities in order to review medical literature which appeared during their absences from civilian medicine.

Robert T. Lentz, who has been serving in the U. S. Army, has returned to his position as Assistant Librarian.

The Library’s interest in early Jeffersonian materials has been stimulated by receiving a number of valuable mementoes of men associated with the early history of Jefferson Medical College. Perhaps most outstanding of these is an original letter written in 1831 by Dr. George McClellan, founder of the College. Also, of unusual interest are a copy of Dr. James F. Gayley’s History of the Jefferson Medical College of Philadelphia, which was published in 1858, together with two less familiar photographs of Dr. Joseph Pancoast and Dr. Samuel D. Gross (1828) which were included in a gift from Dr. Louis H. Clerf ('12).

To the Library’s collection of early diplomas have been added the diplomas of Dr. Franklin J. Hahn ('95) and Dr. William W. McGuigan (1847), and to the Library’s collection of early medical writings have been added selections from the libraries of Dr. J. Fred Wagner ('04), Dr. Walter N. Sedgwick ('93) and Dr. Abraham Lincoln Garver ('93).

The continued interest of the alumni in presenting to the Library reprints of their publications, duplicate journals and mementoes pertaining to the early history of the College has been most appreciated. Without this continued interest of the alumni, perhaps the borrowed quotation would not be so applicable to the Library: “It is a place which wins the admiration of the young by its celebrity, kindles the affections of the middle aged by its beauty, and rivets the fidelity of the old by its associations.” Anon.

Joseph J. Wilson, Librarian.

Appointments and Promotions

Abraham Cantarow, M.D., appointed Professor of Biochemistry.

John H. Gibbon, Jr., M.D., appointed Professor of Surgery and Director of Surgical Research in the Department of Surgery.

Robert A. Matthews, M.D., promoted from Associate Professor to Clinical Professor of Psychiatry.

Adolph A. Walkling, M.D., promoted from Assistant Professor to Associate Professor of Surgery.

Heinrich Brieger, M.D., appointed Associate Professor of Preventive Medicine.

William Lemmon, M.D., promoted from Assistant Professor to Associate Professor of Surgery.

Robert S. Bookhammer, M.D., promoted from Associate to Assistant Professor of Psychiatry.

Aaron Capper, M.D., promoted from Associate to Assistant Professor of Pediatrics.

Theodore P. Eberhard, M.D., for appointment as Assistant Professor of Radiology.
Hugh G. Grady, M.D., for re-appointment and promotion to Assistant Professor of Pathology.

Alison H. Price, M.D., promoted from Instructor to Assistant Professor of Medicine.

George J. Willauer, M.D., promoted from Associate to Assistant Professor of Surgery.

Grant O. Favorite, M.D., promoted from Instructor to Associate in the Department of Bacteriology and Immunology.

William T. Hunt, M.D., appointed Associate in Ophthalmology.

William J. Snape, M.D., appointed Associate in Physiology.

Anthony F. DePalma, M.D., appointed Demonstrator of Orthopedic Surgery.

Louis A. Kustin, M.D., promoted from Instructor to Demonstrator of Laryngology.

Albert Lupton, M.D., appointed Demonstrator of Pharmacology.

Sidney G. Radbill, M.D., promoted from Instructor to Demonstrator in Ophthalmology.

William J. Tourish, M.D., promoted from Instructor to Demonstrator of Surgery.

John F. Wilson, M.D., promoted from Instructor to Demonstrator in Dermatology.

Frank A. Bridgett, M.D., appointed Instructor in Ophthalmology.

Carl T. Houlihan, M.D., promoted from Assistant Demonstrator to Instructor in Laryngology.

Arthur S. McCollum, M.D., promoted from Assistant Demonstrator to Instructor in Laryngology.

Thomas M. Scotti, M.D., promoted from Assistant Demonstrator to Instructor in Pathology.

Winslow J. Borkowski, M.D., appointed Assistant Demonstrator in Neurology.

J. Robert Fox, M.D., appointed Assistant Demonstrator of Laryngology.

Edward B. Marenus, M.D., appointed Assistant Demonstrator of Obstetrics.

Bernard J. Miller, M.D., appointed Assistant Demonstrator of Surgery.

Louis H. Palmer, M.D., appointed Assistant Demonstrator of Anatomy.

Rufus E. Palmer, M.D., appointed Assistant Demonstrator of Pathology.

Francis B. Markunas, M.D., appointed Radiologist to the Department of Anatomy.

Re-instatement:

David R. Morgan, M.D.—Associate Professor of Pathology.

Kenneth E. Fry, M.D.—Assistant Professor of Surgery.

Marshall M. Lieber, M.D.—Assistant Professor of Pathology.

Joseph Waldman, M.D.—Assistant Professor of Ophthalmology.

David Naidoff, M.D.—Instructor of Ophthalmology.

George A. Porreca, M.D.—Instructor of Gynecology.

Albert W. Brown, M.D.—Assistant Demonstrator of Obstetrics.

Paul G. Ebner, M.D.—Assistant Demonstrator of Obstetrics.

Lewis C. Manges, M.D.—Assistant Demonstrator of Surgery.

E. M. Rosset, M.D.—Assistant Demonstrator of Obstetrics.

Marcel S. Sussman, M.D.—Assistant Demonstrator of Obstetrics.

Amos S. Wainer, M. D.—Assistant Demonstrator of Obstetrics.
SAN FRANCISCO MEETING
OF THE
AMERICAN
MEDICAL ASSOCIATION

Jefferson Alumni Supper

PALACE HOTEL
French Parlor

Wednesday, July 3, 1946 at 7:00 p.m.

Please Make Reservations at an Early Date
EDWARD MATZGER, M.D., LOCAL CHAIRMAN
909 HYDE STREET,
SAN FRANCISCO, CALIFORNIA
ENDOWED ROOM AND BENEVOLENCE FUND

In February, 1940, the Alumni Association of the Jefferson Medical College inaugurated the Alumni Endowed Room Fund for the benefit of alumni needing financial assistance during their hospitalization. To date twenty Alumni have received assistance which was made possible by the generosity of the Alumni and the benefits represent the sum of $6,086.42.

The Alumni Association also sponsors the Alumni Free Nursing Fund. The income from this fund is available for the use of members who occupy the Alumni Endowed Room when they need special nursing care. From June 19, 1945 to January 15, 1946, nine members of the Alumni Association and three interested friends have contributed the sum of $1,012.20. This amount brings the total in this fund to $4,517.80.

Our goal is $10,000. Will you join others in providing the funds necessary to care for the members of our group who have met with misfortune. Your contribution will bring you the great personal satisfaction of lending assistance to those in need. May we count on you to make this investment?

March 12, 1946

HAYWARD R. HAMRICK, Chairman.

CONTRIBUTORS TO THE ALUMNI FREE NURSING FUND 1945-1946

<table>
<thead>
<tr>
<th>Date</th>
<th>Contributors</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 19, 1945-Dr. Warren B. Davis, '10</td>
<td>July 17, 1945—Dr. Warren B. Davis, '10 (Gift of Mr. John B. Fleming, Employee of Hospital)</td>
</tr>
<tr>
<td></td>
<td>(Contribution of Mr. Edward Scull)</td>
</tr>
<tr>
<td>July 2, 1945—Dr. M. Henry Speck, '20</td>
<td>Oct. 17, 1945—Dr. Warren B. Davis, '10 (Contribution of Dr. Burton A. Weil, '19)</td>
</tr>
<tr>
<td>July 2, 1945—Dr. Julius C. Speck, '19</td>
<td>Nov. 17, 1945—Dr. N. H. Koplin, '09</td>
</tr>
<tr>
<td>July 2, 1945—Dr. Maurice Saltzman, '22</td>
<td>Nov. 29, 1945—Dr. Arno C. Voigt, '01</td>
</tr>
<tr>
<td>July 16, 1945—Dr. Louis H. Clerf, '12</td>
<td>Jan. 4, 1946—Dr. Lewis C. Scheffey, '20</td>
</tr>
<tr>
<td>July 17, 1945—Dr. J. H. Zimskind, '27</td>
<td>Jan. 15, 1946—Dr. J. Lawrence Evans, '10</td>
</tr>
</tbody>
</table>

I enclose a contribution* of $.................. to the Endowed Room and Benevolence Fund to provide special nursing, etc., for occupants of the endowed room for Jefferson graduates.

NAME...................................................................................................................................................

CLASS...................................................................................................................................................

ADDRESS...........................................................................................................................................

Contributions should be sent to the Alumni Office of the College.
Make checks payable to The Rosenberger Memorial Fellowship Fund, Jefferson Medical College, 1025 Walnut Street, Philadelphia 7, Pa.

*Deductible Item for Income Tax, to the extent provided by law.
THE JEFFERSON MEDICAL COLLEGE

THE ALUMNI ENDOWMENT FUND

With the continued expansion of the activities of Jefferson Medical College, the necessity of further increase in our Alumni Endowment Fund becomes more and more apparent. Throughout the war years there has been a substantial increase within the number of contributors and in the amounts subscribed, and this has been a gratifying experience. But we cannot rest upon this effort. More and more the Alumni must realize that continued support of the Endowment Fund is necessary to provide the life blood so vital to the continued development and prestige of our Alma Mater.

The statement below will show in detail how principal and income have climbed since the early days of the "DaCosta Memorial Fund" campaign. Too much credit cannot be given to the continuing support of each graduating class since 1926 through the plan of promissory note signing. In addition to this source of income there has been the constant response of earlier graduates, not only with respect to their annual pledges, but through additional and substantial contributions. For all this support we are duly grateful and appreciative.

Many Alumni also realize the advantage of such gifts as far as their income tax is concerned because of the deductions allowed. For instance, a gift of $1,000, based on an individual income of $10,000, actually costs the donor $630. It is worthwhile to take advantage of this privilege especially when so much good comes of it.

Contributed to College and Hospital Campaign Fund, April 16, 1930..............$100,000.00
Contributed to the Research Building Fund, August 2, 1940....................... 125,000.00
Transferred to the Permanent Alumni Endowment Fund, November 11, 1939.... 80,088.20
Balance of the Alumni Endowment Fund, February 15, 1946......................$43,886.14
Alumni contributions and interest, February 15, 1945 to March 31, 1946 14,643.93

TOTAL—March 31, 1946..............................................$58,530.07

(Alumni contributions and interest from January 1, 1945 to January 1, 1946 amounted to $11,024.93, an increase of $2,387.81 over the amount received during the same period of the preceding year.)

I enclose a contribution of $.............................................

Alumni Endowment Fund............

Name..............................................................

Class..............................................................

Address..........................................................

Contributions (deductible for Income Tax purposes) should be sent to the Alumni Office of the College. Make checks payable to the respective Fund, Jefferson Medical College, Philadelphia 7, Pennsylvania.
THE ROSENBERGER MEMORIAL FELLOWSHIP FUND

The following list of Alumni and friends of Jefferson have contributed a total of $2,415.00 to the Rosenberger Memorial Fellowship Fund. We are sure that every class and most of the members of these classes will want to join with the others who have supported this fund.

1894 1914 1931
Dr. Samuel G. Coons Dr. Roy Deck Dr. Isadore Zugerman
1895 1916 Dr. Walter A. Bacon
1896 Dr. Henry B. Boley
1901 Dr. Walter L. Lynn
Dr. Ned D. Miller
1917 Dr. William H. Hauck
Dr. Wm. Harvey Perkins
Dr. Adolph A. Walkling
Dr. Nathaniel Zvaifler
1918 Dr. Jeraro Barreros
Dr. Paul B. Reisinger
Dr. Paul B. Reisinger in memory of Dr. James C. Harmon '18
1920 Dr. Louis F. Burkley
Dr. George I. Israel
Dr. Martin J. Sokoloff
1922 Dr. Eli R. Saleeby
Dr. Maurice Saltzman
1926 Dr. Leandro M. Tocantins
1927 Dr. Arthur A. Fischl
Dr. Louis H. Sweterlitsch

Contributions should be sent to the Alumni Office of the College. Make checks payable to The Rosenberger Memorial Fellowship Fund, Jefferson Medical College, 1025 Walnut Street, Philadelphia 7, Pa.

Deductible Item for Income Tax, to the extent provided by law.

JEFFERSON MEN WHO DIED IN WORLD WAR II

Died November 5, 1944

1912 — ALBERT J. BERTRAM, Comm., U. S. N. R., Miami, Florida
Died November 4, 1944

1914 — MALCOLM L. PRATT, Lt. Comm., U. S. N., Bellefontaine, Ohio
Died August 14, 1943

Killed July 21, 1942 in plane accident in Latin American area

1921 — FORSTER L. DENNIS, Major, M. C., A. U. S., Stockton, Kansas
Died June 26, 1944

1922 — WALTER L. TATUM, Lt. Col., M. C., A. U. S.
Died in Germany of Hemorrhage, August 1, 1945
   Died February 14, 1944
   Died May 22, 1945
1934 — Samuel S. Gidding, Lt. (jg), U. S. N. R., Wildwood, N. J.
   Died August 12, 1941
1935 — Thomas A. Martin, Capt., M. C., A. U. S., Providence, R. I.
   Died August 4, 1942
   Killed in France August 14, 1944
1936 — Harry P. Singley, Capt., M. C., A. U. S., Ventnor, N. J.
   Killed in invasion of France June 6, 1944
1937 — James P. Citta, Maj., M. C., A. U. S., Toms River, N. J.
   Killed in air crash May 15, 1943
1937 — Abraham H. Koplin, Maj., M. C., A. U. S., Trenton, N. J.
   Died January 23, 1944
   Died January 26, 1943
1937 — George Andrew Rader, Capt., M. C., A. U. S., Newton, N. C.
   Died on Jap ship sunk October 24, 1944
1937 — John R. Siddall, Capt., M. C., U. S. A.
   Killed May 10, 1945 on Ascension Island
   Died in Japanese Prison Camp (Camp Majo), in February, 1945
1938 — George Wildmann, Capt., M. C., A. U. S., Trenton, N. J.
   Died October 7, 1943
   Killed in plane crash in England in June, 1944
   Died
1939 — William J. Wagner, Lt., U. S. N., New York, N. Y.
   Killed in plane crash at Port Arthur, Tex., September 17, 1945
   Killed in plane crash
   Killed in European area
1941 — William V. Eckhart, Lt., M. C., A. U. S. Marion, Ind.
   Killed in auto accident May 17, 1945
   Killed in Philippines, June 24, 1945
   Killed on Iwo Jima, March, 1945
1941 — Hubert H. Washburn, Lt., M. C., U. S. A., Beaver, Pa.
   Killed in action November 11, 1943
   Died December 3, 1942
1942 — Joseph A. Federowicz, Lt., M. C., U. S. N.
   Killed in action. (Reported dead August 18, 1945)
   Killed as Prisoner of War, December 23, 1945
   Killed in action March 24, 1945
## DEATHS REPORTED DURING THE PAST YEAR
### 1945-1946

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
<th>City, State</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1879</td>
<td>Oliver Diehl, Capt., MC, USN (Ret.)</td>
<td>Bethayres, Pa.</td>
<td>Dec. 16, 1945</td>
</tr>
<tr>
<td>1880</td>
<td>John J. Board</td>
<td>Rustburg, Va.</td>
<td>Dec. 30, 1945</td>
</tr>
<tr>
<td></td>
<td>Henry G. Reemsnyder</td>
<td>Ephrata, Pa.</td>
<td>May 21, 1945</td>
</tr>
<tr>
<td>1882</td>
<td>Luther L. Hill</td>
<td>Montgomery, Ala.</td>
<td>Apr. 5, 1946</td>
</tr>
<tr>
<td></td>
<td>Abram Bern Hirsh</td>
<td>New York, N. Y.</td>
<td>Dec. 21, 1945</td>
</tr>
<tr>
<td>1884</td>
<td>John R. Frazier</td>
<td>Fort Worth, Texas.</td>
<td>June 11, 1945</td>
</tr>
<tr>
<td></td>
<td>John T. Herron</td>
<td>Jackson, Tenn.</td>
<td>Apr. 21, 1945</td>
</tr>
<tr>
<td></td>
<td>George W. Potts</td>
<td>Drexel, Mo.</td>
<td>Feb. 1946</td>
</tr>
<tr>
<td>1885</td>
<td>David H. Lake</td>
<td>Syracuse, N. Y.</td>
<td>Dec. 6, 1945</td>
</tr>
<tr>
<td></td>
<td>Charles S. McDougall</td>
<td>Athens, O.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>George D. Marsh</td>
<td>Westfield, N. Y.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Levi W. Horting</td>
<td>Myerstown, Pa.</td>
<td>Nov. 21, 1944</td>
</tr>
<tr>
<td></td>
<td>William P. White</td>
<td>Henderson, Texas.</td>
<td>July 3, 1945</td>
</tr>
<tr>
<td>1887</td>
<td>Oliver F. Kistler</td>
<td>Wilkes-Barre, Pa.</td>
<td>Nov. 28, 1945</td>
</tr>
<tr>
<td></td>
<td>Paul Osterhout</td>
<td>San Antonio, Texas.</td>
<td>Dec. 21, 1944</td>
</tr>
<tr>
<td></td>
<td>Arnold Peskind</td>
<td>Cleveland, O.</td>
<td>Oct. 31, 1944</td>
</tr>
<tr>
<td>1889</td>
<td>Michael V. Ball</td>
<td>Warren, Pa.</td>
<td>May 26, 1945</td>
</tr>
<tr>
<td></td>
<td>John R. Espey</td>
<td>Trinidad, Colo.</td>
<td>Nov. 24, 1945</td>
</tr>
<tr>
<td></td>
<td>Charles S. Ferguson</td>
<td>Seattle, Wash.</td>
<td>Mar. 15, 1946</td>
</tr>
<tr>
<td></td>
<td>Brooklyn B. Levengood</td>
<td>Bellwood, Pa.</td>
<td>July 6, 1945</td>
</tr>
<tr>
<td></td>
<td>David F. Manning</td>
<td>Marshall, Mo.</td>
<td></td>
</tr>
<tr>
<td>1890</td>
<td>James B. Barth</td>
<td>Charleroi, Pa.</td>
<td>May 7, 1941</td>
</tr>
<tr>
<td></td>
<td>Robert H. McNair</td>
<td>Kansas City, Mo.</td>
<td>Dec. 9, 1945</td>
</tr>
<tr>
<td></td>
<td>Caleb G. McNaul</td>
<td>Juniata, Pa.</td>
<td>Jan. 21, 1945</td>
</tr>
<tr>
<td></td>
<td>George H. Tibbins</td>
<td>Beech Creek, Pa.</td>
<td>Dec. 13, 1945</td>
</tr>
<tr>
<td>1891</td>
<td>William Jepson</td>
<td>Sioux City, Iowa.</td>
<td>Nov. 30, 1945</td>
</tr>
<tr>
<td></td>
<td>George H. Sherman</td>
<td>Kansas City, Mo.</td>
<td>June 30, 1945</td>
</tr>
<tr>
<td></td>
<td>Jesse J. Shoup</td>
<td>Washington, D. C.</td>
<td>July 21, 1945</td>
</tr>
<tr>
<td>1892</td>
<td>James J. Goodwin</td>
<td>Clinton, Mass.</td>
<td>Dec. 29, 1945</td>
</tr>
<tr>
<td></td>
<td>Louis Jordy</td>
<td>York, Pa.</td>
<td>Feb. 5, 1945</td>
</tr>
<tr>
<td>1893</td>
<td>John A. Murray</td>
<td>Patton, Pa.</td>
<td>Feb. 27, 1945</td>
</tr>
<tr>
<td></td>
<td>Harvey F. Scholl</td>
<td>Prospect Park, Pa.</td>
<td>Oct. 7, 1945</td>
</tr>
<tr>
<td>1895</td>
<td>Richard E. Dickson</td>
<td>Holyoke, Mass.</td>
<td>May 9, 1945</td>
</tr>
<tr>
<td></td>
<td>John Gilbert</td>
<td>York, Pa.</td>
<td>July 30, 1945</td>
</tr>
<tr>
<td></td>
<td>Robert F. O'Brien</td>
<td>Halifax, N. S.</td>
<td>Nov. 29, 1941</td>
</tr>
</tbody>
</table>
1896 John K. Berk ........................................... Frackville, Pa. .................. Mar. 22, 1945
Frederick E. Brister ........................................ Ambler, Pa. .................. Mar. 17, 1946
Howard M. Shriner ........................................ Philadelphia, Pa. .............
Charles N. Warner ........................................ Litchfield, Conn. ............. Jan. 27, 1946

1897 Dr. Jesse Hall Allen .................................... University of Pennsylvania .... Apr. 15, 1946

1897 Elam K. Fee .............................................. Lawrenceville, N. J.

1898 Henry N. Nipple ........................................ Clinton, O.
Bruno L. Schuster ........................................ Los Angeles, Calif. ............ Nov. 25, 1945

Estell B. Lewis ........................................ Glen Campbell, Pa.

1900 Lowell H. Chamberlain .................................. Des Moines, Iowa ............. July 22, 1945
Sylvester J. Goodman ..................................... Columbus, O. .................. July 5, 1945
George C. Kieffer, Col., MC, USA ........................ Philadelphia, Pa. ........... Aug. 18, 1945
Thomas H. Street, Capt., MC, USA ........................ Alexander City, Ala. .... Oct. 24, 1945
Joseph R. Wetherbee ....................................... Eugene, Ore. ................. Jan. 12, 1945

1901 William J. Bussey ........................................ Sioux City, Iowa .............
Warren J. Miller .......................................... Miami, Fla. ................. Jan. 16, 1946

1902 Herbert L. Taylor ..................................... Portsmouth, N. H. ......... Oct. 24, 1945

1903 Thomas S. Armstrong .................................... McKeesport, Pa. ............. Oct. 3, 1945
Benjamin D. Luck ......................................... Pine Bluff, Ark. ............ Jan. 23, 1946
Millard F. Sewall .......................................... Bridgeton, N. J. ............. June 4, 1945

1904 Lee M. Goodman .......................................... Jersey Shore, Pa. ..........
George L. Hoffman ....................................... Norristown, Pa. ............. Mar. 17, 1945
Samuel A. Muta ........................................ West Orange, N. J. ............ Mar. 20, 1946
Francis D. Patterson ...................................... Overbrook, Pa. ............. June 2, 1946
George W. Schlindwein ..................................... Erie, Pa. .....................
Ernest J. Thierman ......................................... Cedar Falls, Iowa ............ Sept. 13, 1945
Martin D. Westley ........................................ Cooperstown, N. C. ......... Mar. 28, 1946

1905 Francis A. Cregg ....................................... Lawrence, Mass. .......... Nov. 29, 1945
Harley J. Hallett, Col., MC, USA, (Ret.) ............. Highland Park, Fla. ........ Dec. 11, 1945

1906 Charles B. Boudwin ..................................... Los Angeles, Calif. .... Sept. 1945
John F. Conole ........................................... Wilkes-Barre, Pa. .......... Aug. 29, 1945

1907 Joseph W. Chetwynd ..................................... East Liverpool, O. .......... May 2, 1945
Godlove G. Eckhart ....................................... Marion, Ind. .................. Feb. 26, 1945
S. Lloyd Fisher ........................................... Brooklyn, N. Y. ............. Mar. 31, 1946
William F. Seabold ......................................... Elwell, Smith Island, Md. .... May 3, 1946

George T. Ritter .......................................... Williamstown, Pa. ..........
Alfred A. Robinson ....................................... Oakland, Calif. ............ Dec. 24, 1945
William S. Streker ....................................... Providence, R. I. ............ July 8, 1945
Joseph L. Warne ........................................... Pottsville, Pa. ............. Oct. 8, 1945

1909 Henry E. Briody ........................................ Paterson, N. J. .......... Nov. 26, 1945
William J. Coleman ....................................... Newport, Ky. ............. Nov. 13, 1945

1910 Patrick E. Keeffe ....................................... Sioux City, Iowa ........ June 8, 1945
Herman F. Schrader ........................................ Browning, Mont. ........ Aug. 23, 1945
By devious roads of ever-varying length
These valiant men have reached the gates eternal.
Some hither fared by far-flung battle lines,
While others delved by day and e'en through night,
Searching untiringly for wider knowledge;
For new and better ways to speed relief.
To sufferers who sought their skill and care,
And found in this endeavor life's full joy.

We speak of them as in the Great Beyond,
Yet they are here, still living through their deeds
Which stir our hearts and hands to nobler trying;
Still sharing in the fellowship alumnal;
Throughout our homeland and in lands afar,
To ever stand united as they stood
In loyalty to lustrous Jefferson.

WARREN B. DAVIS
May 9, 1946
WE ARE MOST INTERESTED IN WHAT YOU ARE DOING

INFORMATION NEEDED:

We are anxious to keep our files up to date. If you have not answered the following questions, won't you do so now and return them to the Alumni Office?

In order that you get your mail promptly, it is necessary for us to have your latest address. If you are in the service, it is most important for us to know your branch of service and rank. Perhaps there is some other information that you would like us to have, or you may want to add some news of a fellow alumnus. We will appreciate your co-operation.

............................................(Date)

(Name)

1. ADDRESS:
2. CLASS:
3. DATE AND PLACE OF BIRTH:
4. POST-GRADUATE WORK:
5. UNDER NORMAL CONDITIONS, ARE YOU IN GENERAL PRACTICE? IF NOT, WHAT IS YOUR SPECIALTY?
6. ARE YOU AFFILIATED WITH ANY HOSPITALS OR TEACHING INSTITUTIONS?
7. WHAT TEACHING POSITIONS HAVE YOU HELD?
8. ARE YOU IN THE SERVICE OF THE UNITED STATES? IF SO, GIVE RANK, BRANCH OF SERVICE, AND MILITARY CITATIONS:
9. MEDICAL SOCIETIES AND OFFICES HELD:
10. CONTRIBUTIONS TO MEDICAL OR SCIENTIFIC LITERATURE:
11. CONTRIBUTIONS TO GENERAL LITERATURE:
12. INVENTIONS OR DISCOVERIES:

MAY WE HAVE ANY ADDITIONAL INFORMATION THAT WOULD BE OF INTEREST IN A BIOGRAPHICAL SKETCH?