Christiaan Barnard Gives Tompkins Lecture

New Library Assured

Nobelist du Vigneaud Caps Research Day
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EDITOR'S NOTE
Medical Center news has been so voluminous since the last issue of GW Medicine that a new format of the bulletin is required to cover it. Rather than eliminating any, we are capsulating. Most of the information noted here in brief is available in detail from GW news releases and will be furnished to avid readers upon request.
Thursday, May 23

Postgraduate course in Ophthalmology, Hospital Main Conference Room: "The Eye and You."

Papers will be presented on current concepts of eye disease as they are related to the practice of medicine, surgery and pediatrics.

Participants: Drs. Ben S. Fine; Ronald S. Fishman; Jerome N. Goldman; John W. McGtigue, Dept. Chairman; Marshal M. Hurry; Henry Wicker; Lorenz E. Zimmer-man, all from GW. Also Dr. A. E. Maumenee, Dr. R. Van Keuren, and Dr. W. Technology.

Friday, May 24

8:30 a.m. Registration and Breakfast, Hospital Main Conference Room

9:30 a.m. Scientific Assembly. Five papers: "Problems in the Clinical and Anatomico-Pathological Diagnosis of Renal Malignant Disease." By Bernard H. Ostrow, '48, Associate Professor of Surgery, Cleveland Clinic.

9:45 a.m. "Clinical Applied Science." By Donald H. Glew, Jr., '48, Associate Professor of Surgery, GW School of Medicine. "Military Medicine Today" by Jack P. Segal, '48, Clinical Associate Professor of Medicine, Georgetown University School of Medicine.

10:30 a.m. "The Differential Diagnosis of Primary Myocardial Disease." By Harvey H. Ammerman, '43, Clinical Professor of Neurological Surgery, GW.

1:00 p.m. "Is It Really A Stroke?" by Harvey H. Ammerman.

1:30 p.m. "Diabetes in the Developing World." By Drs. Ben S. Fine; Ronald S. Fishman; Dr. R. Van Keuren; and Dr. W. Technology.

Friday, May 25

9:00 a.m. Scientific Assembly.

9:15 a.m. "Medical Encephalopathy and Guaranacryps." By Bernard H. Ostrow, '48, Assistant Clinical Professor of Medicine, GW. "Phaeochromocytoma" by Donald H. Glew, Jr., '48, Associate Professor of Surgery, GW School of Medicine. "Military Medicine Today" by Jack P. Segal, '48, Clinical Associate Professor of Medicine, Georgetown University School of Medicine.

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1:30 p.m. "Diabetes in the Developing World." By Drs. Ben S. Fine; Ronald S. Fishman; Dr. R. Van Keuren; and Dr. W. Technology.

Sunday, May 26

8:00 a.m. Scientific Assembly.

9:00 a.m. "Medical Encephalopathy and Guaranacryps." By Bernard H. Ostrow, '48, Assistant Clinical Professor of Medicine, GW. "Phaeochromocytoma" by Donald H. Glew, Jr., '48, Associate Professor of Surgery, GW School of Medicine. "Military Medicine Today" by Jack P. Segal, '48, Clinical Associate Professor of Medicine, Georgetown University School of Medicine.

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ROSS TOPS GW GIFTS

Mr. Walter G. Ross has presented GW with the largest gift in its history from an individual—$2,000,000—to use in building facilities for the $35,000,000 Medical Center. Mr. Ross, an honorary Trustee of the University, previously donated the Ross Floor of Medicine in the Hospital's Meyer Pavilion.

Donald H. Glew, Jr., '48
Associate Professor of Surgery, GW School of Medicine "Military Medicine Today"

Jack P. Segal, '48
Clinical Associate Professor of Medicine, Georgetown University School of Medicine "The Differential Diagnosis of Primary Myocardial Disease"

Harvey H. Ammerman, '43
Clinical Professor of Neurological Surgery, GW "Is It Really A Stroke?"

Robert J. Levine, '58
Assistant Professor of Medicine and Pharmacology, Yale University School of Medicine "Studies on the Role of Histamine in Mediating Gastric Secreton"

Steven E. Levy, '58
Chief of Chest Disease, Cedars-Sinai Medical Center "The Pathophysiology of Experimental Pulmonary Thrombo-embolism"

Thomas L. Leaman, '48
Acting Chairman, Family and Community Medicine, The Milton S. Hershey Medical Center "An Experiment in Teaching Family Medicine"

Claire Hammel duPont, '58
Assistant Professor of Biochemistry, University of Montreal "The Control of Hemoglobin Synthesis by Oxygen"
PHS FUNDS NEW LIBRARY

The Public Health Service has announced a $1,295,595 grant toward construction of the Paul Himmelfarb Library, one made to six of the country's leading medical schools.

Core of the Medical Center, the $2,000,000 structure will adjoin the Basic Sciences Building. Featured are: a large audio-visual section, microform readers and printers, private study rooms, group facilities for 4 to 6 students, and open stacks. The carpeted building will be wired for computer usage, accommodate more than 80,000 volumes and 1,500 periodicals, and occupy 30,000 square feet of usable space.

Dr. Seymour Alpert, head of the Library Committee, visited many institutions and undertook extensive research to incorporate innovations into plans for the Library. The planning group included Rupert Woodward, GWU Director of Libraries; Medical School Librarian Isabella Young, and Drs. T. Crandall Alford, Frank D. Allan, Alexander Breslow, Hilla Brown, Mary Louise Robbins and George V. Vahouny.

COMMUNITY/TRAUMA FORUM HELD

The Department of Surgery and the American Academy of General Practice presented a spring forum on "The Community and its Trauma Problems." The 2-day meeting attracted 300 participants to hear experts in traumatology and those most affected by the ravages of trauma: the family doctor, the community and its hospital, experts in surgical specialties, the legal profession and insurance underwriters.

The Hon. Melvin R. Laird (R-Wisc.) spoke on "Congress and Medicine: The Medical Emergency." Surgery Chairman Brian Blades and Traumatology Chief Don S. Wenger designed the forum, supported by USPH Bureau of Health and NIH Institute of General Medical Services.

HOSPITAL

New Emergency, Pulmonary Units

A new Emergency Care Department will be located at the Washington Circle entrance, offering a sheltered ambulance entry and expanded facilities for sorting, treating and holding the ill or injured. Under the direction of Traumatology Chief Don S. Wenger the unit will be equipped and staffed to handle all types of trauma.

The sheltered entry with a strong design of vertical louvers will be an extension of the second floor, becoming the new Pulmonary Function Laboratory. It will have the latest in design and equipment for pulmonary function tests, diagnoses and therapy.

Relocation of ambulatory services to the Keystone makes this expansion possible.

NEW ASSOCIATE DEAN

Interim James J. Feffer has been selected for the new post of Associate Dean for Clinical Affairs, effective July 1. He has been Clinical Professor and Chairman of the Section of Pulmonary Disease and in private practice for more than 25 years.

He will assume medical responsibility for the Hospital and University Clinic, both enjoying extensive growth. President of the American Society of Internal Medicine, Dr. Feffer has traveled and lectured widely on the implementation of Medicare, Medicaid, comprehensive health planning and regional medical programs.

UNIVERSITY CLINIC

The 13-story Keystone Building at 22d and Penna. Ave., is being renovated to become the University Clinic, consolidating ambulatory care and integrating the entire Medical Center teaching program.

The $1.5 renovation will encompass the group practice of 65 full time physicians' offices, secretarial areas, patient examining rooms, special treatment and procedures rooms, teaching, conference and administrative areas.

Outpatient clinics and offices presently housed in the north wing of the Hospital will occupy the greater part of the lower 8 floors about July 1. Completion is scheduled for October 1.

Services slated for Keystone occupancy are: radiology, pathology, internal medicine, rheumatology, endocrinology, hematology, gastroenterology, renal, allergy, cardiology, obstetrics, gynecology, pediatrics, surgery, orthopedics, oto-laryngology, urology, ophthalmology, psychiatry and dermatology.
Nobelist du Vigneaud

Research Winners with Professors Treadwell and du Vigneaud: (from left) Barefoot, Miller, D'Amato, Heinze

Dean Parks, Beaumont President Lohaus, Dr. du Vigneaud, President Elliott, Beaumont Adviser Stevens and Prof. Treadwell

STUDENTS, NOBELIST SHINE AT RESEARCH DAY

Excellence and variety characterized the competition on William Beaumont Student Research Day, February 22. Highlight of the day was an address by Nobel laureate Vincent du Vigneaud, Ph.D., Professor of Chemistry at Cornell University, and former GWU Professor and Chairman of the Department of Biochemistry. He spoke on "Some Aspects of Studies on the Hormones of the Posterior Pituitary Gland."

Dr. du Vigneaud was an honorary degree recipient at GW's Mid Winter Convocation that morning.

In the student presentations; first prize, sophomore Paul D. Miller, for "The Effect of Hypoxic Oxygenation on Cardiogenesis in the Albino Rat." Second, sophomore R. G. Heinze for "Antibody in Experimental Allergic Encephalomyelitis." Third, sophomore Sherwood W. Barefoot, Jr., for "The Distribution of Arylamidase Activity in Ox Brain." Fourth, junior Paul D'Amato for "Studies on Carnitine Regulation of Myocardial Lipid Metabolism."


Read by title were papers by: Howard B. Dickler, Peter C. Freis, Jr., Milton J. Menchey, Douglas Robins, John J. Rowsey, John D. Wojcik, and Ira C. Wong.

Beaumont membership was awarded 21 students and President Allan W. Lohaus received the Calvin A. Klopp Award for service to the Society. Newly elected officers for 1968 are: President, Warren R. Berrie; Vice President, Edward G. Koch; Secretary, Kathryn L. Gayton; Treasurer, Sherwood W. Barefoot, Jr.

STUDENTS

Extramurals

Eight medical students on foreign clerkships have strange footnotes to their global medicine: the plight of the pound sterling, cannibals, the Middle East crisis, the current Panamanian struggle, and ancient Mayan civilization.

They are studying in England, Colombia, Israel, Panama, Honduras, Ceylon and Liberia. Another 15 have extramural clerkships in Minnesota, California, New York, Arizona and Florida. The 23 clerkships are double the number held last year. Two are studying overseas under a former visiting professor, the popular British obstetrician Geoffrey Chamberlain, a Research Fellow here last year who won the 1967 prize of The American Association of Obstetricians and Gynecologists Foundation.

Robert W. Murray is spending his junior elective aboard the hospital ship HOPE, off Ceylon, this year. Other tropical medicine students are Edmonod C. Watters, at Phebe Hospital, Monrovia, Liberia, and James W. Smith, on a Smith-Kline & French Fellowship in Honduras. Smith
Professor Christiaan N. Barnard detailed the procedures of his first human heart transplant and modifications in technique of his second one for a spellbound audience of medical students, faculty and hospital personnel in Linder Auditorium April 19. Delivering the Tompkins Memorial Lecture in Surgery at the invitation of Surgery Chief Brian Blades, Prof. Barnard began his lecture with an anecdote, illustrated it with 36 slides and closed it with a philosophical poem on confidence as a state of mind.

The South African surgeon described the type of patient selected for transplant: one suffering from terminal stages of irreversible heart disease in which adequate and continued medical therapy had no use or value, and one in which there were no surgical means by which he could be treated or cured except by assisting or replacing the function of his heart.

Of first patient Louis Washkansky, he said, "It was proved by selective coronary angiography that he had a completely blocked right coronary artery, a completely blocked anterior descending branch of the left coronary artery and a partially occluded circumflex branch of the left coronary artery." He described the excision, perfusion, connection, anastomosis and rewarming of the heart that was fluffy, blue, without any sign of life at removal. First rewarming showed evidence of ventricular fibrillation; when it was warmed to around 36°C, a single electrical shock was applied and it immediately started to beat with a coordinated ventricular contraction.

An interesting situation was revealed on the patient's EKG, Prof. Barnard said, as certain waves came through, probably from atrial activity, while other waves showed a different atrial activity. On the esophageal lead it was shown that these waves were actually sinus waves still coming from the patient's own heart and the transplanted heart was in atrial fibrillation. The patient died 18 days after surgery, from a massive pulmonary infection, but the transplanted heart continued to maintain an adequate cardiac output until two hours before death.

Of the variation in technique, the professor said, "Instead of making the incision in the back of the right atrium from the orifice of the inferior vena cava to the orifice of the superior vena cava, we tied off the superior vena cava stump and made the incision more laterally, thus avoiding the area of the sinal auricular node." As a result, the heart of the second patient started spontaneously, without electrical shock, and immediately began the sinus rhythm that it has maintained since transplant.

Believing that a change in size might indicate signs of rejection of the heart, as in kidney transplants, Professor Barnard said that in their next transplant they will mark the borders of the heart with silver clips, readily seen by x-ray. They plan a series of five operations, three more to come, with the third in about six weeks, he said.

The distinguished visitor said his second patient had a relatively uncomplicated course as far as the vital signs of temperature, pulse rate, respiratory rate and venous pressure are concerned. As circulation improved, temperature rose from subnormal to normal, rising with an episode of rejection, returning to normal as that episode was counteracted. Pulse remained pretty constant, he said. But there was a change in heart rate coinciding with increased demand for cardiac output during the period of rejection.

As circulation improved, temperature rose, falling when the patient was at rest. During the period of rejection, the rate rose and has gradually settled down. Venous pressure started up high, then settled down, fluctuated, and has remained normal from about the 31st day. In blood studies there was not much of value found, except that the sedimentation rate showed a marked rise at the period of rejection.

The Tompkins Lecturer outlined three major areas in diagnosing rejection: systemic evidence (rise in temperature, anorexia, malaise or generalized signs); any enlargement in size of the transplanted organ; and any derangement in function of this organ (studied in his patients through exercise tolerance tests). They also conducted thorough enzyme studies, leading them to suspect that abnormality in LDH and HBD can be caused by immunosuppression and is not of much value in diagnosis of rejection; there was no particular rise in these enzymes during the period of rejection.

The visit was described as the most important lesson of general evidence in diagnosis. But the EKG voltage was important in that there was a steady drop in EKG voltage which reached its lowest ebb at the period of rejection. EKG voltage, after the rejection was treated, increased and has remained about what it was immediately after the operation.

After showing his beaming patient surrounded by admirers after leaving Groote Schuur Hospital, the cardiac surgeon described the conditions that had set the stage for the medical feats: a dying patient willing to face an uncertain outcome; a bereaved husband and father willing to donate his daughter's organs; a young colored widow who gave her husband's heart to a white man; the team of doctors, nurses and technicians, strong as a chain without a weak link; those in laboratory who had studied the difficulties in technique and were willing to test their experience in the operating room.
is working in the 200-bed Hospital de Occidente, Santa Rosa de Copan, only a day's jeep trip from the seat of the ancient Mayas.

Jack Levenbrown's stay at Rothschild Hospital, Haifa, will be limited to the 2 month elective period due to Middle East tensions.

Jose M. Fabrega, himself a Panamanian, is back at the Gorgas Hospital on an obstetrics clerkship.

Richard Notes, on tropical medicine in Tibu, on the Colombia-Venezuela border, sees arrow wounds, leprosy, TB, malaria and other parasitic diseases, and Motilone Indians, "who were cannibals and have been only partly tamed."

King's College Hospital, London, claims John R. Reeves and Neil J. Weiner. Reeves' mentor in obstetrics is Dr. Geoffrey Chamberlain; he and Weiner are also on a medical clerkship.

Back in the U.S.A., four students are taking the Mayo Clinic neurology elective: Gerald S. Goldberg, Michael Hitchcock, Robert C. Pace and Swen R. Swensen.

Robert T. Levine is taking two electives in New York, dermatology at Kings County Hospital Center and psychiatry at Mount Sinai Hospital.

Mount Zion Medical Center, San Francisco, has medical clerks Kenneth R. Jungblut and Jay R. Grossman. Marc R. Sanders' medical clerkship in general practice is Dr. Geoffrey Chamberlain; he and Weiner are also on a medical clerkship.

The AO A Lecture, March 21, was delivered by Dr. Melvin J. Glincher, Professor of Orthopedic Surgery, Harvard Medical School and Chief of Orthopedic Service, Massachusetts General Hospital. He discussed, "A Basic Architectural Principle in the Organization of Bone and Other Calcified Tissues."

Hematologist William Damashek, Professor of Medicine, Mt. Sinai School of Medicine, gave the Phi Delta Epsilon Aaron Brown Lecture, "Leukemia," on March 28.

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MATCHING INTERNSHIPS

Results from the 1968 Matching Intern Program were announced March 11, with 74% getting their first or second choice. Eighteen will intern in university or affiliated hospitals, six in VA or Public Health hospitals, and four at military installations. Sixty-five will remain in the East, while 28 will be heading for the Far West. Six will intern at GW, including John L. Antus, Donald P. Bernstein, Paul L. DeWitt, Barbara A. Meyers, Bruce A. Miller, and Gary E. Russolillo.

FACULTY

Dr. Smith

Golden Apples

Med students capped their annual Follies program with presentation of Golden Apple Awards to two instructors, for outstanding teaching in the clinical and basic sciences. This year’s awards went to Pathology Professor John Chandler Smith, who joined the faculty only last year, and to Dermatology Professor Robert S. Higdon.

Promotions

Dermatology
Charles S. Thurston, from Clinical Instructor to Assistant Clinical Professor

Medicine
James H. Pert, from Assistant Clinical Professor to Associate Clinical Professor
DEPARTMENT PROFILE

PEDIATRICS
Chairman Felix P. Head is fielding a vigorous 75-member team staffed with new bench depth. Priority goes to restructuring the student program with emphasis on change. Formula: demand best efforts but don't force students to cope before they are prepared.

Recent staff appointments include: Assoc. Prof. Andrew M. Margileth, who came from the Naval Medical Center in September to head the student program; John C. Houck, Assoc. Prof. (biochem), who translates the basic sciences into clinically-oriented basic research; Assoc. Prof. Gordon Avery, who heads the newborn program and clinical research facility at Children's Hospital; Assist. Prof. Andrew Rigg, co-Chief of Children's adolescent medicine section; and Dr. Willard Blankenship, who translates the basic sciences into clinically-oriented basic research.

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PHARMACOLOGY
Werner R. Jondorf, from Assistant Research Professor to Associate Research Professor.

PHYSIOLOGY
Marie M. Cassidy, from Assistant Professor to Associate Professor

SURGERY
James E. McClennathan, from Assistant Professor to Associate Professor.

Biochemistry Professor Arthur S. Brecher: “Proteolytic Activity in Brain.”

Microbiology Professor Yang-Ming Chu: “Study of Immune Responses to Mycobacterial Antigens.”

Ophthalmology Professor Ben S. Fine: “Chorioretinal Scarring.”

Surgery Professor Donald H. Glew, Jr.: “Renin and Renal Function in Deservation and Hypoxia.”

Biochemistry Professor and Associate Dean of the Medical Center Angus M. Griffin: “General Research Support.”

Surgery Professor Calvin T. Klop: “Clinical Cancer Training Medical.”

Pharmacology Professor H. George Mandel: “Fundamental Approaches to Drug Toxicity.”

Microbiology Professor Melvin Reich: “Isolation and Characterization of Mycobacterial Antigens.”

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Physiology Professor Elizabeth W. Stephens: “Ion Transport in Vertebrate Smooth Muscle.”

Biochemistry Professor George V. Vahouny: “Myocardial Lipid Metabolism and Regulation.”

Microbiology Professor Frances S. G. Meres: “Ef­fects of Treatment in Hypertensive Disease.”

U.S. Army Medical R&D Command

Ophthalmology Professor Ben S. Fine: “Biophysics and Biological Studies of the Structure and Function of Ocular Tissues.”

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"50 BERTRAM L. PEAR, Radiology Professor at the University of Colorado Medical Center, was recently elected a Fellow of the American College of Radiology. Dr. Pear is also president of the Rocky Mountain Radiologic Society.

"51 MAXINE A. SCHURTER was guest editor of the November 1967 Journal of the American Medical Women's Association: in this issue, that featured a symposium on teratomas, Dr. Schurter co-authored a paper with GW Surgery Professor Gordon S. Letterman on "Klinefelter's Syndrome," while CECIL R. JACOBSON, '49, co-authored a paper on "Cytogenetic Techniques in Sexual Anomalies." Dr. Schurter recently attended the 5th Dainde Medical Seminar, on cosmetic surgery, in Mexico City, which was also attended by HERBERT J. FORREST, '41, and BAHMAN TEIMOURIAN, '58.

"52 HUBERT F. COFFEY of Albuquerque is vice president of the Aztec Manufacturing Co., which designs and manufactures "Championship Radio Equipment." A rodeo enthusiast as well as orthopedic surgeon, Dr. Coffey's avocation is making chutes that are safer for both cowboys and animals.

"53 ALBERT B. IBEN was both guest speaker and honored guest at a kickoff luncheon for National Heart Month, sponsored by the Aztec Manufacturing Co., which designs, manufactures, and distributes "Championship Radio Equipment." A rodeo enthusiast as well as orthopedic surgeon, Dr. Coffey's avocation is making chutes that are safer for both cowboys and animals.

"54 ROGER M. CHOISSER, Professor Emeritus of Pathology, died in December in Washington. After a distinguished military career, he joined the medical faculty where he was a beloved professor. The University gave him its Award of Merit in 1952 and he retired in 1954 after 25 years of outstanding teaching. Dr. Choisser's son, daughter, and son-in-law are members of the Class of 1947: Robert V. Choisser, Marion Choisser Mills and Stephen R. Mills, Jr. Another son-in-law is Robert R. Montgomery '45.

"56 INTERMOUNTAINEERS
The Intermountain Medical Alumni Association held its annual meeting and election of officers on February 22, with 51 alumni, guests and wives attending. Jack S. Johnson '60, was elected president, and Neil W. Goodsell '58, secretary. Anatomy Prof. Frank Allan, a Salt Lake City native, was faculty guest speaker, discussing "Andre Vassalius, Physician, Scientist and Teacher."

"58 NECROLOGY
Talbot, John Allan '15 Middleburg, Virginia
Geier, Frederick A. J. '25 Washington, D. C.
Johnson, Don R. '23 Washington, D. C.
Epskamp, Joseph George '33 Hartford, N. Y.
Larson, Raphael V. '35 Roosevelt, Utah
Tway, Lawrence E. '49 Los Angeles, California
Vann, Clarence H. '53 Millburn, Kentucky
Der Stepanian, Oshin '56 Washington, D. C.
Saunders, John L. '56 Boulder, Colorado

Dr. Roger M. Choisser, Professor Emeritus of Pathology, died in December in Washington. After a distinguished military career, he joined the medical faculty where he was a beloved professor. The University gave him its Award of Merit in 1952 and he retired in 1954 after 25 years of outstanding teaching. Dr. Choisser's son, daughter, and son-in-law are members of the Class of 1947: Robert V. Choisser, Marion Choisser Mills and Stephen R. Mills, Jr. Another son-in-law is Robert R. Montgomery '45.

"TOP AWARD
"Senior Arthur J. Sober was awarded the 1967-68 Phi Delta Epsilon Fraternity Service Award at the Fraternity's annual convention in New Orleans in April. Anesthesiology Professor Seymour Alpert, who serves as National Executive Secretary of Phi D E, presented the award.

In notifying the GW honor student of his selection, the Service Award Committee concluded "that you best represented our ideal of the kind of person the young Fraternity member should be."

Sober is a Phi Beta Kappa graduate of GWU. In medical school he was a Steinman Scholar in his sophomore year, won the Phi D E Scholarship Prize in 1967, and holds a Colleque Foundation Scholarship. He served as Class President in 1966 and as Student Council Representative to the University the next two years. He is a member of Sigma Xi, AOA, Smith-Roed-Russell, Kane-King, and the St. George Society.

In 1967 he took a career elective in clinical cardiology at Massachusetts General Hospital. Art plans to specialize in internal medicine after internship at Beth Israel Hospital, Boston.

A cousin of one and nephew of two GW alumni: Jerome L. Potlack '49, Nat Wilson '30, and Ned Lewis '29, Art is the son of Mr. and Mrs. William Sober of Washington, D. C.
THE GEORGE WASHINGTON UNIVERSITY
SCHOOL OF MEDICINE ALUMNI & FACULTY

announces

ANNUAL MEETING

MAY 23, 24, and 25, 1968

MAY 23 - POSTGRADUATE COURSE IN OPHTHALMOLOGY -
G.W.U. HOSPITAL

MAY 24 - REGISTRATION, BREAKFAST, SCIENTIFIC SESSION -
G.W.U. HOSPITAL
GOLF
CLASS REUNIONS, DINNER & DANCING -
SHOREHAM HOTEL $15.00 per PERSON - BLACK TIE

MAY 25 - SCIENTIFIC SESSION - G.W.U. HOSPITAL