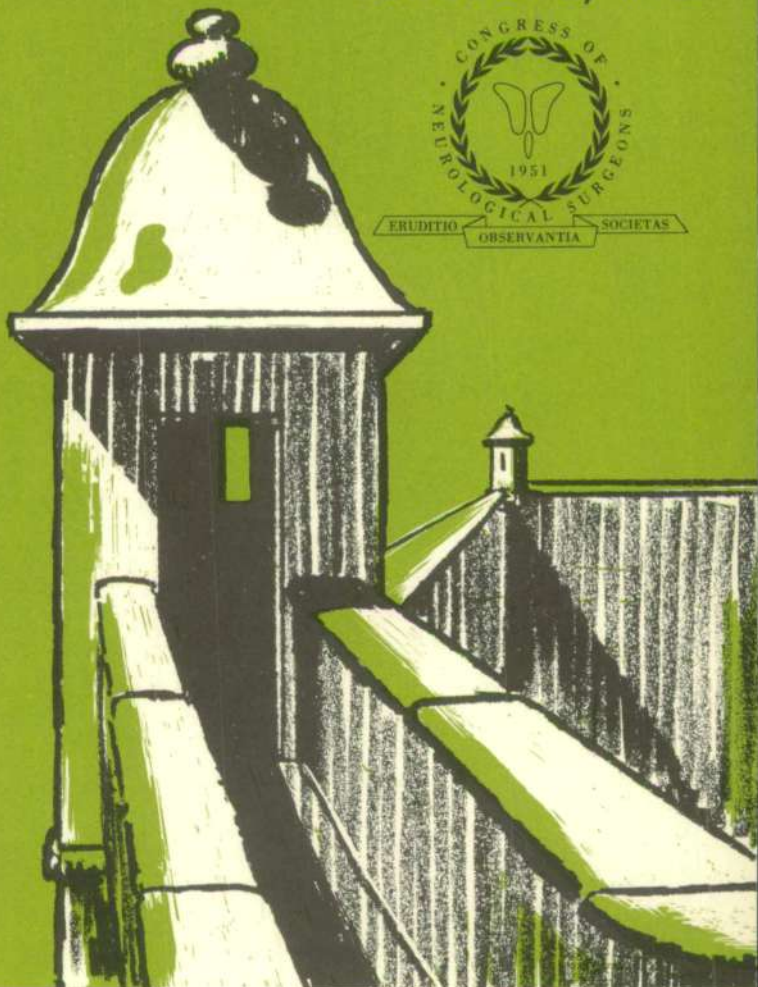


CONGRESS OF
NEUROLOGICAL
SURGEONS, INC.



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**SIXTEENTH
ANNUAL
MEETING**

OCTOBER 17-21, 1966
AMERICANA AND EL SAN JUAN HOTELS
SAN JUAN, PUERTO RICO

Honored Guest—1966



DR. HUGO KRAYENBUHL
*Professor of Neurological Surgery
University of Zurich
Neurosurgical Clinic, Kantonsspital
Zurich, Switzerland*

HONORED GUESTS

PROF. HERBERT OLIVECRONA . . .	1952
SIR GEOFFREY JEFFERSON . . .	1953
DR. KENNETH MCKENZIE . . .	1954
DR. CARL RAND	1955
DR. WILDER PENFIELD	1956
DR. FRANCIS GRANT	1957
DR. EARL WALKER	1958
DR. WILLIAM GERMAN	1959
DR. PAUL BUCY	1960
DR. EDUARD BUSCH	1961
DR. BRONSON RAY	1962
DR. JAMES POPPEN	1963
DR. EDGAR KAHN	1964
DR. JAMES C. WHITE	1965

GUEST SPEAKERS

- J. Norman Allen, M.D.—Professor and Director of the Division of Neurology, Ohio State University, Columbus, Ohio
- Dr. Roman Arana-Iniguez—Professor of Neurology, Director of the Neurological Institute, Instituto de Neurologia, Hospital de Clinicas, Montevideo, Uruguay
- Leonard Berg, M.D.—Associate Professor Clinical Neurology, Washington University School of Medicine, St. Louis, Missouri
- Padma Bhushan Dr. Jacob Chandy—Principal and Head of the Department of Neurology, Neurosurgery and Neurochemistry, Christian Medical College and Hospital, Vellore, South India
- David B. Clark, Ph.D., M.D.—Professor and Chairman of Neurology, University of Kentucky School of Medicine, Lexington, Kentucky
- George J. Hayes, Brig. Gen. M.C., USA, Director, Professional Service, Office of the Surgeon General, Department of Army, Washington, D. C.
- Harvey C. Knowles, Jr., M.D.—Professor of Medicine, University Of Cincinnati School of Medicine, Cincinnati, Ohio
- Sarah Luse, M.D.—Professor of Pathology and Anatomy, Washington University School of Medicine, St. Louis, Missouri
- Robert L. McLaurin, M.D.—Professor of Neurosurgery, University of Cincinnati School of Medicine, Cincinnati, Ohio
- George T. Nager, M.D.—Associate Professor of Laryngology and Otology, Johns Hopkins University School of Medicine, Baltimore, Maryland
- Frank E. Nulsen, M.D.—Professor of Neurosurgery, Western Reserve University School of Medicine, Cleveland, Ohio
- John T. Reynolds, M.D.—Professor of Surgery, University of Illinois School of Medicine, Chicago, Illinois
- Adolph Sahs, M.D.—Professor and Head of Department of Neurology, University of Iowa School of Medicine, Iowa City, Iowa

- Jay P. Sanford, M.D.—Professor of Internal Medicine, The University of Texas Southwestern Medical School, Dallas, Texas
- Juan M. Taveras, M.D.—Chairman and Professor of Radiology, and Director of Mallinckrodt Institute of Radiology, Washington University School of Medicine, St. Louis, Missouri
- Arthur A. Thibodeau, M.D.—Professor and Head, Department of Orthopedics, Tufts University School of Medicine, Surgeon-in-Chief, Department of Orthopedics, New England Medical Center Hospitals, Boston, Massachusetts
- John P. Utz, M.D.—Professor of Medicine, Medical College of Virginia, Richmond, Virginia
- Carl W. Walter, M.D.—Clinical Professor of Surgery, Harvard Medical School and Surgeon, Peter Bent Brigham Hospital, Boston, Massachusetts
- Paul Wherle, M.D.—Hastings Professor of Pediatrics, University of Southern California School of Medicine and Chief Physician, Pediatric and Communicable Disease Services Children's Division, Los Angeles General Hospital, Los Angeles, California
- Barnes Woodhall, M.D.—Vice Provost of Duke Medical Center, Professor of Neurosurgery, Duke University School of Medicine, Durham, North Carolina

SCIENTIFIC EXHIBITORS

foyer Isla Verde Room, El San Juan

"Uses of Lasers in the Field of Neurological Surgery"—Robert L. McLaurin, M.D., University of Cincinnati, Cincinnati, Ohio

"Angiography by Percutaneous Needle-Catheter"—Joseph T. McFadden, M.D., Medical Center, Norfolk, Virginia

"New Observations on Craniofacial Pain"—Frederick W. L. Kerr, M.D., Mayo Clinic, Rochester, Minnesota

"Value of Intrathecal Phenol in Neurosurgery"—Marcelino Chavez, M.D., Medical College of Georgia, Augusta, Georgia

"Surgery of the Thalamus"—Richard A. Davis, M.D., and Frederick W. Pitts, M.D., Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania

"Anterior Percutaneous Cervical Cordotomy"—Paul M. Lin, M.D., Pedro P. Polakoff, II, M.D. and Philip Gildenberg, M.D., The Benson, Jenkintown, Pennsylvania

"Ependymomas, Incidence, Pathology, Diagnosis and Therapy"—E. Fokes, M.D., K. Earle, M.D., M. B. Allen, M.D. and Robert Smith, M.D., Medical College of Georgia, Augusta, Georgia

"Cervical Anterior Interbody Fusion"—John D. Jackson, M.D. and Homer D. Kirgis, M.D., Ochsner Clinic, New Orleans, Louisiana

"Neurological Surgery of Trauma"—Arnold L. Ahnfeldt, Colonel, Medical Corps, Department of the Army, Washington, D. C., Walter Reed Army Medical Center

"Results of Corrective Surgery of Neurovascular Compression Syndromes Based on Arteriographic Diagnosis"—Erich K. Lang, M.D., and John R. Russell, M.D., Methodist Hospital, Indianapolis, Indiana

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Public Relations	Henry R. Liss
	George L. Becker, Jr.
Host	Andrew Lee Karavitis
Registration	Frank Padberg
Residents	Julian R. Youmans
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Paul C. Sharkey

MEETING LOCATIONS

St. Louis (Founders' Meeting)	1951
Memphis	1951
Chicago	1952
New Orleans	1953
New York	1954
Los Angeles	1955
Chicago	1956
Washington, D. C.	1957
San Francisco	1958
Miami	1959
Chicago	1960
New York	1961
Houston	1962
Denver	1963
Miami	1964
Chicago	1965
San Juan	1966

FUTURE MEETINGS

San Francisco	1967
Toronto	1968
Boston	1969
St. Louis	1970
Miami	1971
Denver	1972

COME TO FASCINATING
SAN FRANCISCO IN 1967
SEVENTEENTH ANNUAL MEETING
CONGRESS OF NEUROLOGICAL SURGEONS
SAN FRANCISCO HILTON HOTEL
OCTOBER 25-28, 1967

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Mrs. James Gay (Lillian).....	1953-1954
Mrs. Donald Sweeney (Kay).....	1954-1955
Mrs. Bland Cannon (Louise).....	1955-1956
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WOMEN'S AUXILIARY ACTIVITIES

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Mrs. Gordon van den Noort (Isabel).....	1964-1965

PLEASE WEAR YOUR NAME BADGE

Auxiliary Headquarters and Hospitality Room
Kum Kum Room—Americana open daily at 8:00 A.M.

MONDAY, OCTOBER 17

- 7:00 P.M. Rum Party—pool side, compliments of Americana
8:00 P.M. Luau—pool side, Americana

TUESDAY, OCTOBER 18

- 8:00-10:00 A.M. Welcome to San Juan Coffee, honoring guests
and new members—Kum Kum Room, Americana
7:00 P.M. No Host Cocktail Party—Caribbean Suite, Americana

WEDNESDAY, OCTOBER 19

- 8:00-10:00 A.M. Coffee, orange juice and pastry—Kum Kum
Room, Americana
8:00 A.M. Board of Directors Breakfast Meeting—President's
Suite
10:00 A.M. Tour of the Governor's Mansion and Reception by
Governor's wife, Mrs. Sanchez Vilella
Buses will leave promptly from entrance of
Americana

PLEASE WEAR YOUR NAME BADGE

- 6:30 P.M. Rum Party—pool side, compliments, of El San Juan

WOMEN'S AUXILIARY ACTIVITIES

THURSDAY, OCTOBER 20

9:30-12 Noon Breakfast and Annual Meeting—Columbian Room, Americana

6:30 P.M. Reception and Cocktail Party—Caribbean Room, Americana

8:00 P.M. Annual Banquet—Isla Verde Room, El San Juan

DRESS OPTIONAL — PLEASE WEAR NAME BADGE

FRIDAY, OCTOBER 21

8:00-10:00 A.M. Coffee, orange juice and pastry—Kum Kum Room, Americana

11:25 A.M. President William H. Mosberg's address and Presentation of the New President, John R. Russell
Isla Verde Room, El San Juan

SATURDAY, OCTOBER 22

8:30 A.M. Tour to St. Thomas, Virgin Islands
(returning about 6:30 P.M.)

SUNDAY, OCTOBER 23

Post-Convention Tour to Aruba in the Netherlands Antilles

SPECIAL EVENTS

SUNDAY, OCTOBER 16

- 4:00-5:30 P.M. Registration—
foyer Isla Verde Room, El San Juan

MONDAY, OCTOBER 17

- 7:30 A.M.-5:00 P.M.—Registration—
foyer Isla Verde Room, El San Juan
2:00-4:00 P.M. Annual Meeting Committee—
Le Pavillon Room, El San Juan
7:00 P.M. Rum Party—
pool side, compliments of the Americana
8:00 P.M. Luau—pool side, Americana

TUESDAY, OCTOBER 18

- 7:00 A.M. 1966 Committee Breakfast—
Columbian Room, Americana
9:00 A.M. Executive Committee meeting—
Le Pavillon Room, El San Juan
7:00 P.M. No Host Cocktail Party—
Caribbean Suite, Americana

WEDNESDAY, OCTOBER 19

- 7:00 A.M. Neurosurgical Residents Breakfast—
Tropicoro Room, El San Juan
6:30 P.M. Rum Party—pool side, compliments of El San Juan
7:00 P.M. Past Presidents' Cocktail Party—
8:00 P.M. Past Presidents' Dinner—

THURSDAY, OCTOBER 20

- 7:00 A.M. 1967 Scientific Program Committee Breakfast—
Ponce Room, Americana
6:30 P.M. Annual Reception and Cocktail Party—
Caribbean Room, Americana
8:00 P.M. Annual Banquet—Isla Verde Room, El San Juan

SPECIAL EVENTS

FRIDAY, OCTOBER 21

- 7:00 A.M. 1967 Annual Meeting Committee Breakfast—
Mayaguez Room, Americana
1:15 P.M. Executive Committee Meeting—
Ponce Room, Americana

SATURDAY, OCTOBER 22

- 8:30 A.M. Tour to St. Thomas, Virgin Island (returning about
6:30 P.M.)

SUNDAY, OCTOBER 23

Post-Convention Tour to Aruba in the Netherlands Antilles

OFFICE LOCATIONS

- Registration:* foyer Isla Verde Room, El San Juan
Message Center: foyer Isla Verde Room, El San Juan
Congress Headquarters: foyer Isla Verde Room, El San Juan
Press Room: foyer Isla Verde Room, El San Juan
Auxiliary Headquarters: Kum Kum Room, Americana

PROGRAM

MONDAY, OCTOBER 17

7:30 A.M.-5:00 P.M. Registration—
foyer Isla Verde Room, El San Juan

Seminars in Fundamental Neurological Surgery
Isla Verde Room, El San Juan

PLEASE WEAR NAME BADGE FOR ADMISSION

Presiding Officer—William E. Hunt

- 8:00 A.M.-12:00 Noon The Chemical Basis of Neurological Disorders.....*J. Norman Allen*
- 10:15 A.M. Intermission (coffee, cokes, pastry)
- 12:00 Noon Congress Luncheon—Tropicoro Room, El San Juan
- 1:30 P.M. Homeostasis—Fundamentals of Nutrition and Fluid Balance.....*John T. Reynolds*
- 3:00 P.M. Intermission (coffee, cokes)
- 3:15-4:45 P.M. Homeostasis—The Neuro-endocrine System and the Disorders of Homeostatic Control Secondary to Central Nervous System Lesions
.....*Harvey C. Knowles, Jr.*
-

7:00 P.M. Rum Party—pool side, compliments of Americana

8:00 P.M. Luau—pool side, Americana

NOTES

PROGRAM

TUESDAY, OCTOBER 18

- 7:00 A.M. 1966 Committee Breakfasts—
Columbian Room, Americana
- 7:30 A.M.-1:00 P.M. Registration—
foyer Isla Verde Room, El San Juan
- 7:30 A.M.-1:30 P.M. Exhibits—
foyer Isla Verde Room, El San Juan
- 9:00 A.M. Executive Committee Meeting—
Le Pavillon Room, El San Juan

Member Participation Program—Isla Verde Room, El San Juan

PLEASE WEAR NAME BADGE FOR ADMISSION

Presiding Officer—Erich S. Wisiol

- 8:00 A.M. Activities of the Congress of Neurological Surgeons
in Socio-Economic Matters....*William H. Mosberg,
Baltimore, Edward J. Bishop, Cleveland and Walter
S. Lockhart, Jr., Miami*
- 8:50 A.M. Experiences with Gallbladder Shunts in the Manage-
ment of Hydrocephalus....*Robert L. Campbell and
Paul W. Kramer, Indianapolis*
- 9:00 A.M. New Devices for Ventriculo-atrial Shunt
.....*Edmund M. Fountain, Houston*
- 9:10 A.M. A Simplified Technique for Performing the Ven-
triculo-peritoneal Shunt....*Anthony J. Raimondi and
Satoshi Matsumota, Chicago*
- 9:20 A.M. Evaluation of Acquired Shunt Independency in
Hydrocephalus.....*Donald P. Becker, Cleveland*
- 9:30 A.M. Management of Infected Ventriculo-jugular Shunt
.....*David K. Dunn, Philadelphia*
- 9:40 A.M. A New Simplified Stereotaxic Instrument
.....*Charles D. Ray, Baltimore*

PROGRAM

TUESDAY, OCTOBER 18

- 9:50 A.M. Neurosurgical Experiences with Herpes Simplex
Encephalitis....*Larry Page and John Shillito, Boston*
- 10:00 A.M. Physiologic Studies in the Human Thalamus
.....*John M. Tew and William Sweet, Boston*
- 10:10 A.M. Intermission (coffee, cokes, pastry)

NOTES

PROGRAM

TUESDAY, OCTOBER 18

Member Participation Program (continued)

Isle Verde Room, El San Juan

Presiding Officer: James T. Robertson

- 10:30 A.M. Retrobulbar Neuritis Due to Posterior Ethmoidal Mucocoeles
....Gerald R. Litel and Robert A. Evans, Houston
- 10:40 A.M. Sympathetic Deficit Following Thalamotomy
.....Peter W. Carmel, New York
- 10:50 A.M. Parasympathectomy by Nervus Intermedius Section for Certain Cases of Atypical Facial Neuralgia
.....Ernest Sachs, Jr., Hanover, N. H.
- 11:00 A.M. Surgical Anatomy of the Intracranial Aneurysm
.....John P. Gallagher, Washington
- 11:10 A.M. An Evaluation of Silastic and Collagen Film Laminate as Possible Dural Substitutes....*J. Fletcher Lee, George T. Tindall and Guy L. Odom, Durham*
- 11:20 A.M. The Control of Decerebrate Seizures by Chlorpromazine.....*H. Dale Richardson, Atlanta*
- 11:30 A.M. Acute Subdural Hematomas
.....Richard H. Moiel and Pedro Caram, Houston
- 11:40 A.M. Non-traumatic Cerebrospinal Fluid Rhinorrhea.....*Ayub K. Ommaya, Maitland Baldwin and J. B. Pennybacker, Oxford, U.K.*
- 11:50 A.M. Bilateral Flap Operation for Craniosynostosis
.....Khairy Samra, Cairo, U.A.R.
- 12:00 Noon Obliteration of Midline Vertebral Artery Aneurysm via Basilar Craniectomy....*John L. Fox, Washington*
- 12:10 P.M. An Anterior Approach to Lower Cervical Percutaneous Cordotomy....*Paul M. Lin, Pedro Polakoff II, and Phillip Gildenberg, Jenkintown, Pa.*

PROGRAM

TUESDAY, OCTOBER 18

- 12:20 P.M. Thoracic Disc Protrusion Excised by Costo-transversectomy
Robert E. Ragtz and Donald F. Dohn, Cleveland
- 12:30 P.M. Spinal Epidural Suppuration
.....*Daniel A. Rock, Lewiston, Me.*
- 12:40 P.M. Subarachnoid Hemorrhage Due to Spinal Cord Tumor
.....*Sami Nassar and James W. Correll, New York*
- 12:50 P.M. Spinal Cord Compression Secondary to Extramedullary Hematopoiesis in Two Brothers....*Joseph C. Cauthen and Lamar Roberts, Gainesville, Fla.*
-
- 7:00 P.M. No Host Cocktail Party—
Caribbean Suite, Americana

NOTES

PROGRAM

WEDNESDAY, OCTOBER 19

- 7:00 A.M. Neurosurgical Residents Breakfast—
Tropicoro Room, El San Juan, Julian R. Youmans,
Presiding
- 7:30 A.M.-1:00 P.M. Registration—
foyer Isla Verde Room, El San Juan
- 7:30 A.M.-1:30 P.M. Exhibits—
foyer Isla Verde Room, El San Juan
-

Scientific Session—Isla Verde Room, El San Juan

PLEASE WEAR NAME BADGE FOR ADMISSION

Presiding Officer—John R. Russell

- 8:00 A.M. The Diagnosis and Antibiotic Treatment of Acute
Bacterial Meningitis.....*Paul F. Wehrle*
- 8:30 A.M. Fungal Infections of the Central Nervous System
.....*John P. Utz*
- 9:00 A.M. Viral and Post-Viral Encephalomyelitis: A Survey
with Neurosurgical Orientation.....*Leonard Berg*
- 9:30 A.M. Pharmacology and Modes of Action in Relation to
Clinical Antimicrobial Therapy.....*Jay P. Sanford*
- 10:00 A.M. Intermission (coffee, cokes, pastry)
Presiding Officer—William H. Mosberg, Jr.
- 10:20 A.M. The Sequelae of Infections of the Nervous System
.....*Adolph L. Saks*
- 10:50 A.M. Pathology of Chronic Inflammation in the Nervous
System*Sarah Luse*
- 11:20 A.M. Introduction of Neurosurgical Residents
Introduction of Honored Guest
- 11:30 A.M. Cerebral Venous and Sinus Thrombosis
.....*Professor Dr. Hugo Krayenbuhl*
- 12:00-1:00 P.M. Panel Discussion of Preceding Papers
.....*All Speakers; Adolph L. Saks, Moderator*
- 6:30 P.M. Rum Party—pool side, compliments of El San Juan

NOTES

PROGRAM

THURSDAY, OCTOBER 20

- 7:30 A.M.-1:00 P.M. Registration—
foyer Isla Verde Room, El San Juan
- 7:30 A.M.-1:30 P.M. Exhibits—
foyer Isla Verde Room, El San Juan
Scientific Session—Isla Verde Room, El San Juan
-

PLEASE WEAR NAME BADGE FOR ADMISSION

- Presiding Officer—Robert D. Weyand*
- 8:00 A.M. Closed Space Infection Following Removal of Inter-vertebral Disc.....*Arthur A. Thibodeau*
- 8:30 A.M. Osteomyelitis of the Skull, Subdural and Epidural Abscess*Barnes Woodhall*
- 9:00 A.M. Postoperative Infections in Neurosurgery
.....*Carl W. Walter*
- 9:30 A.M. Radiological Aspects of Inflammatory Conditions Affecting the Central Nervous System
.....*Juan M. Taveras*
- 10:00 A.M. Intermission (coffee, cokes, pastry)
Presiding Officer—George B. Udvarhelyi
- 10:20 A.M. Parasitic Diseases of the Nervous System with Particular Emphasis on Echinococcosis
.....*Roman Arana Iniguez*
- 10:50 A.M. Cerebral and Cerebellar Abscess
.....*Professor Dr. Hugo Krayenbuhl*
- 11:20 A.M. Panel Discussion of Preceding Papers
.....*All Speakers; Robert L. McLaurin, Moderator*
- 12:15 P.M. Annual Business Meeting of the Congress (members only)
-
- 6:30 P.M. Annual Reception and Cocktail Party—
Caribbean Room, Americana

PROGRAM

THURSDAY, OCTOBER 20

8:00 P.M. Annual Banquet—Isla Verde Room, El San Juan
Recognition of Honored Guest, Professor Dr. Hugo
Krayenbuhl
Presentation of Gavel to President by Auxiliary
Dancing

DRESS OPTIONAL — PLEASE WEAR NAME BADGE

NOTES

PROGRAM

FRIDAY, OCTOBER 21

7:30 A.M.-1:00 P.M. Registration—
foyer Isla Verde Room, El San Juan

7:30 A.M.-1:30 P.M. Exhibits—
foyer Isla Verde Room, El San Juan

Scientific Session—Isla Verde Room, El San Juan

PLEASE WEAR NAME BADGE FOR ADMISSION

Presiding Officer—Thomas W. Langfitt

- 8:00 A.M. Surgical Managements of Spinal Suppuration
.....*Robert L. McLaurin*
- 8:30 A.M. A Plan for the Continued Control of Hydrocephalus
by Venous Shunt with Avoidance of Infection
.....*Frank E. Nulsen*
- 9:00 A.M. Intracranial Infections in Children with Congenital
Heart Disease.....*David B. Clark*
- 9:30 A.M. Paranasal Sinus and Mastoid Infections and Their
Relation to the Central Nervous System
.....*George T. Nager*
- 10:00 A.M. Intermission (coffee, cokes, pastry)
Presiding Officer—Jack W. Barrett
- 10:20 A.M. Tuberculous Infections of the Nervous System
.....*Padma Bhushan Dr. Jacob Chandy*
- 10:50 A.M. Medical Aspects of the Vietnamese Campaign
.....*George J. Hayes, Brig. Gen. M.C., U.S.A.*
- 11:25 A.M. Presidential Address, William H. Mosberg, Jr., and
Presentation of the new President, John R. Russell
- 11:45 A.M. Unilateral Exophthalmus
.....*Professor Dr. Hugo Krayenbuhl*
- 12:15 P.M. Panel Discussion of Preceding Papers
.....*All Speakers; Barnes Woodhall, Moderator*

NOTES

PROGRAM

SATURDAY, OCTOBER 22

8:30 A.M.-6:30 P.M. Entire group will go to St. Thomas,
Virgin Islands

PROGRAM

SUNDAY, OCTOBER 23

POST-CONVENTION DISCUSSION GROUP
CARIBBEAN HOTEL — Aruba, Netherlands Antilles
October 23-27, 1966

NOTES

I would like to submit the following question to the Panel
Discussion on (Wednesday) (Thursday) (Saturday)

Please return this card to one of the program committee