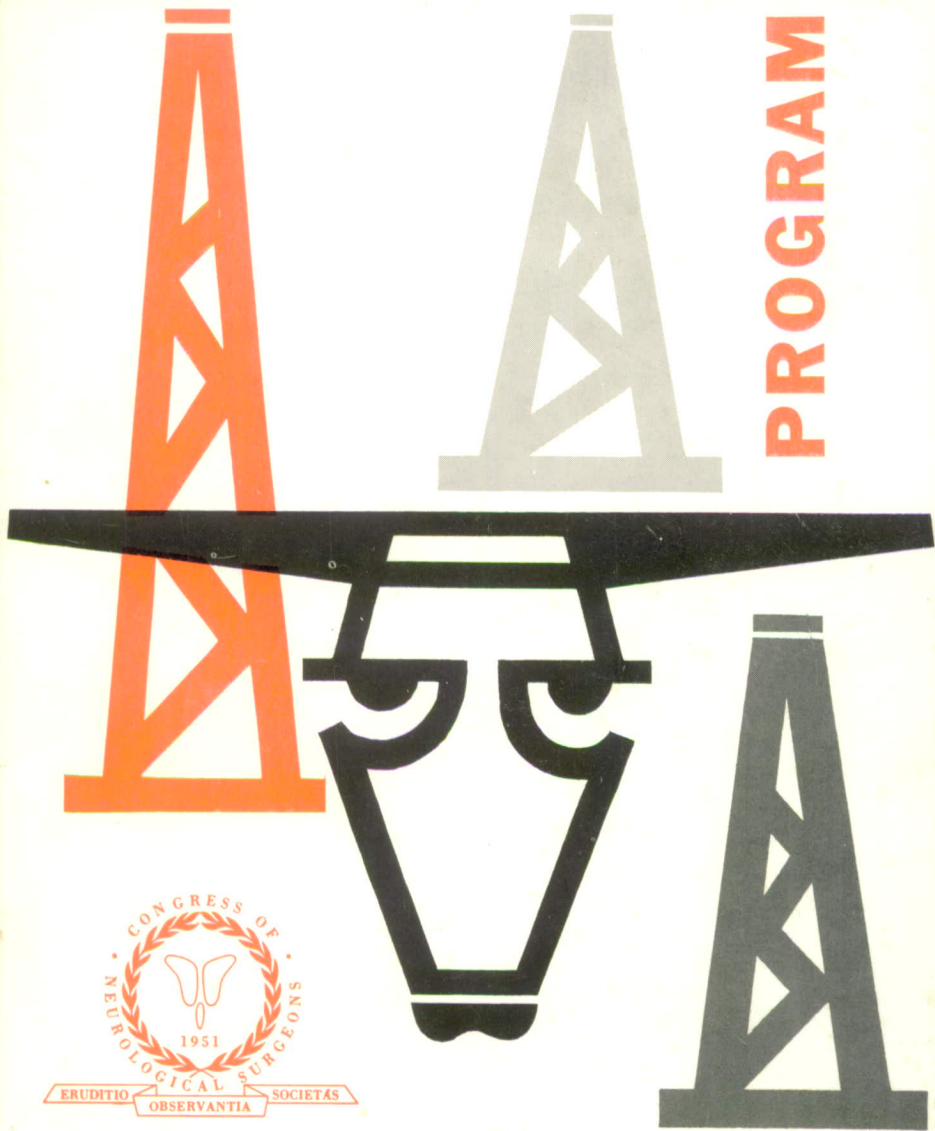


PROGRAM



ERUDITIO OBSERVANTIA SOCIETAS

TWELFTH ANNUAL MEETING

CONGRESS OF NEUROLOGICAL SURGEONS, INC.

OCTOBER 31, NOVEMBER 1, 2, 3, 1962 / THE SHAMROCK HILTON / HOUSTON, TEXAS

Honored Guest—1962



BRONSON S. RAY, M.D.
Professor of Clinical Surgery
Cornell University
New York City, N. Y.

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

GUEST SPEAKERS

- Hillier L. Baker, Jr., M.D.—Staff, Diagnostic Radiology, Mayo Clinic, Rochester, Minnesota
- Michael E. DeBakey, M.D.—Professor of Surgery, and Chairman of Cora and Webb Mading Department of Surgery, Baylor University College of Medicine, Houston, Texas
- Giovanni Di Chiro, M.D.—Head, Section of Neuroradiology, National Institute of Neurological Diseases and Blindness, Bethesda, Maryland
- Lyle A. French, M.D.—Professor of Neurosurgery, University of Minnesota Medical School, and Director of Division of Neurosurgery, University Hospitals, Minneapolis, Minnesota
- William J. German, M.D.—Professor of Neurological Surgery, Yale University School of Medicine, New Haven, Connecticut
- E. Stephens Gurdjian, M.D.—Professor of Neurosurgery, Wayne University School of Medicine, Detroit, Michigan
- John H. Lawrence, M.D.—Professor of Medical Physics and Director of Donner Laboratory and Donner Pavilion, University of California, Berkeley, California
- Donald D. Matson, M.D.—Clinical Professor of Surgery, Harvard Medical School, Boston, Massachusetts

GUEST SPEAKERS

D. A. D. Montgomery, M.D.—Physician in Charge of Metabolic Department, Royal Victoria Hospital, Belfast, Ireland

Francis Murphey, M.D.—Professor of Neurological Surgery, University of Tennessee School of Medicine, Memphis, Tennessee

Carleton B. Pierce, M.D.—Professor of Radiology, McGill University, and Radiologist-in-Chief, Royal Victoria Hospital, Montreal, Quebec, Canada

Bronson S. Ray, M.D.—Professor of Clinical Surgery, Cornell University Medical School, and Head of Department of Neurosurgery, New York Hospital, New York City

E. Graeme Robertson, M.D.—Honorary Neurologist, Royal Melbourne and Royal Children's Hospitals; Honorary Consultant Neurologist, Royal Women's Hospital, Melbourne, Australia, and Victorian Eye and Ear Hospital; Consultant Neurologist to the Ministry of Health, Tasmania, Australia

Seymour Schwartz, M.D.—Assistant Professor of Surgery, University of Rochester School of Medicine and Dentistry; Strong Memorial Hospital, Rochester, New York

James C. White, M.D.—Former Chief of Neurosurgical Service, Massachusetts General Hospital; Associate Professor of Surgery, Emeritus, Harvard Medical School, Boston, Mass.

John E. Whiteleather, M.D.—Director, Department of Radiology, Baptist Memorial Hospital, Memphis, Tennessee

SCIENTIFIC EXHIBITORS

- Headache—Averill Stowell, Tulsa Oklahoma
- Upper Lumbar Neuropathy Simulating the Lower Lumbar Herniated Nucleus Pulposus—Ludwig G. Kempe, Walter Reed Army Medical Center, Washington, D. C.
- Intracerebral Hematomas—George Ehni, Division of Neurological Surgery, Baylor University College of Medicine, Houston Texas
- Pantopaque Basal Cisternography—Harvey Gass, Detroit, Michigan
- The Use of Intraspinial Corticosteroids in the Treatment of Sciatica—W. James Gardner, Cleveland Clinic, Cleveland, Ohio
- Cerebral and Cervical Angiography by Retrograde Injection of the Brachial Artery—Frederick Murtagh, Temple University Medical Center, Philadelphia, Pa.
- Stereotactic Apparatus using a Ciro-electric Bed—Joseph Witt, University of California Medical Center, San Francisco, Cal.
- Sports Injuries—O. Hugh Fulcher, Department of Neurosurgery, Georgetown University Hospital, Washington, D. C.
- Studies in Cerebral Edema III: An Electron Microscopic Study of Changes in White Matter Using Ferritin as a Visible Label—Anthony J. Raimondi, Division of Neurological Surgery, The University of Chicago Clinics, Chicago, Ill.

COMMERCIAL EXHIBITORS

- | | |
|-----------------------------|----------------------------|
| The Holter Company | S-B Power Surgical Tools |
| American Silk Sutures, Inc. | Mr. William Heyer |
| Storz Surgical Instruments | Ries Manufacturing Company |
| Codman & Shurtleff, Inc. | Aeroplast Corporation |
| Medical Plastics Laboratory | Orthopedic Frame Company |
| Joseph M. Edelman, M.D. | |

CONGRESS OF NEUROLOGICAL SURGEONS

OFFICERS FOR 1961-1962

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A. Roy Tyrer, Jr.	<i>Vice-President</i>
Edward C. Weiford	<i>Secretary</i>
Gordon van den Noort	<i>Treasurer</i>

EXECUTIVE COMMITTEE

Martin P. Sayers	<i>Past President</i>
William M. Hegarty	1959-1962
Donald S. Bickers	1960-1963
Lycurgus M. Davey	1960-1963
William H. Mosberg	1960-1963
Jack Barrett	1961-1964
A. Beaumont Johnson II	1961-1964
Ross Miller	1961-1964

PAST PRESIDENTS

Elmer C. Schultz	1951
Hendrik J. Svien	1951-1952
Nathaniel R. Hollister	1952-1953
James R. Gay	1953-1954
Donald B. Sweeney	1954-1955
Bland W. Cannon	1955-1956
Frederick C. Rehfeldt	1956-1957
Raymond K. Thompson	1957-1958
Philip D. Gordy	1958-1959
Thomas M. Marshall	1959-1960
Martin P. Sayers	1960-1961

COMMITTEES

Program Committee

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Paul C. Sharkey	Arrangements
John Shillito, Jr.	Scientific Program
John N. Meagher	Exhibits
William H. Mosberg, Jr.	Editorial
Robert Clark, Alexander Johnson	Host
John M. Thompson	Registration

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Homer McClintock
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Harry W. Slade
Winslow Stratemeyer

Scientific Program Committee

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James T. Robertson
Richard C. Schneider
Edwin M. Todd

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Jose Garcia-Oller
Joseph A. Witt

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Owen F. Hughes
C. David Scheibert
Gordon J. Strewler

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Alexander C. Johnson, Co-Chairman
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Carl H. H. Baumann
William A. Huston
Fariss D. Kimbell, Jr.
Albert A. LaLonde
Bernard S. Patrick
Matthew Presti
James R. Williams

Registration Committee

John M. Thompson, Chairman
A. W. Farley, Jr.
Owen F. Hughes
Harry Starr
Ernesto de la Torre

COMMITTEES

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Byron M. Bloor
William G. Evans
Curwood R. Hunter
Joseph H. Miller

Post-Convention Tour

Edmund M. Fountain, Chairman
Robert E. Green
Murl E. Kinal
Robert F. Mabon
Bernard B. Shuer

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A. Beaumont Johnson II, Chairman
Floyd S. Barringer
George G. Culbreth
Rembrandt Dunsmore
James B. Golden
A. C. Lisle, Jr.
Joseph A. Witt

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Howard S. Cowley
Donald Dohn
Thomas M. Marshall
Richard C. Tozer
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John R. Russell
Robert D. Weyand

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Franklin Earnest III
Bernard S. Patrick
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Long Range Planning

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H. Harvey Gass
Philip D. Gordy
John R. Russell
Martin P. Sayers
Edward C. Weiford

Survey Committee

Karl L. Manders, Chairman
Joseph A. Brady
Warren U. Clary
Martin E. Feferman
William A. Huston
Paul E. Northrop
James C. H. Simmons

Public Relations Committee

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Howard S. Cowley
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Richard D. Price

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Bland W. Cannon
Donald B. Freshwater
Nathaniel R. Hollister
William E. Hunt
Miles F. Skultety
Walter G. Scheuerman
A. Roy Tyrer, Jr.

Delegates to World Federation of Neurosurgical Societies

Philip D. Gordy
Thomas M. Marshall

Newsletter

Gordon van den Noort

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

FUTURE MEETINGS

Denver	1963
Miami	1964
Chicago	1965

PLAN TO ATTEND
THIRTEENTH ANNUAL MEETING
CONGRESS OF NEUROLOGICAL SURGEONS
DENVER HILTON HOTEL
DENVER, COLORADO
October 9-12, 1963

WOMEN'S AUXILIARY

OFFICERS

Mrs. Richard L. de Saussure (Phyllis).....	<i>President</i>
Mrs. M. Peter Sayers (Marge)	<i>Vice-President</i>
Mrs. E. C. Weiford (Mary).....	<i>Secretary</i>
Mrs. G. van den Noort (Isabel).....	<i>Treasurer</i>

BOARD OF DIRECTORS

Mrs. Murl Kinal (Connie) (ex-officio)
Mrs. David Scheibert (Jean)
Mrs. Robert Clark (Helen)

NOMINATING COMMITTEE

Mrs. T. M. Marshall (Nancye), Chairman
Mrs. Harry Glaser (Liz)
Mrs. Henry Suckle (Esther)
Mrs. Austin Lamberts (Vangie)

PAST PRESIDENTS

Mrs. E. C. Schultz (Marge)	1951
Mrs. H. J. Svien (Nancy)	1951-1952
Mrs. N. R. Hollister (Lottie)	1952-1953
Mrs. J. R. Gay (Lillian).....	1953-1954
Mrs. D. B. Sweeney (Kay).....	1954-1955
Mrs. Bland W. Cannon (Louise)	1955-1956
Mrs. T. M. Marshall (Nancye).....	1956-1957
Mrs. A. R. Tyrer (Myrtle)	1957-1958
Mrs. Philip D. Gordy (Lisa).....	1958-1959
Mrs. Franklin Earnest III (Ann)	1959-1960
Mrs. Murl Kinal (Connie)	1960-1961

WOMEN'S AUXILIARY ACTIVITIES

A very cordial welcome is extended to all the wives of Guest Speakers, Members, and all guests of the Congress.

PLEASE WEAR NAME BADGE

Auxiliary Headquarters Room 351

WEDNESDAY, OCTOBER 31

- 11:00 A.M. Board of Directors Meeting—Presidential Suite
(Brunch)
- 6:30 P.M. Welcoming No-Host Cocktail Party—Emerald
Room

THURSDAY, NOVEMBER 1

- 10:00 A.M. Milk Punch Reception Honoring Mrs. Bronson Ray
—Satsuma Room
- 10:30 A.M. Business Meeting—Satsuma Room
- 11:00 A.M. Brunch—El Charro Room
- 12:00 noon Tour to Sharpestown (Limited to first 70) (See
Houston via small bus equipped with commis-
sary and hostess—shop in air conditioned comfort
in variety of stores.)
- 6:30 P.M. Congress Cocktail Party—Poolside (Emerald Room
in event of rain)
- 7:30 P.M. Dinner Dance—Emerald Room
Honored Guest*Dr. Bronson Ray*
Presentation of Gavel to President by Women's
Auxiliary

FRIDAY, NOVEMBER 2

- 10:00 A.M. "Continental" Coffee—Auxiliary Headquarters

SPECIAL EVENTS

Daily, October 30 through November 2:

12:00 Noon-6:00 P.M. Hospitality Room—Castilian Room
(3rd Floor)

Tuesday, October 30:

9:00 A.M. Executive Committee Meeting—Walnut Room

Wednesday, October 31:

7:30 P.M. Past Presidents Dinner—Nile Room (3rd Floor)
Host—Richard L. DeSaussure

Saturday, November 3:

12:30 P.M. Executive Committee Meeting—Walnut Room

L.B. Stout

PROGRAM

WEDNESDAY, OCTOBER 31

7:30 A.M.-7:30 P.M. Registration—Booth No. 2 Lobby
Corridor or Grecian Corridor

8:30 A.M.-5:30 P.M. Exhibits—Grecian Room

POST-GRADUATE COURSE: EMBRYOLOGY AND ANATOMY OF
CEREBRAL CIRCULATION AS RELATED TO CEREBRAL VASCULAR
DISORDERS

*Conducted by William S. Fields, M.D., Professor of
Neurology, Baylor University School of Medicine
Emerald Room*

9:15 A.M. Post-Graduate course convenes

10:45 A.M. Intermission

11:00 A.M. Post-graduate course reconvenes.

12:30 P.M. Congress Luncheon—Continental Room

SYMPOSIA—Emerald Room

2:00 P.M. Symposium Moderator.....*Adrien VerBruggen*
“How Should Neurosurgery be
Practiced?”*William P. Williamson*

3:30 P.M. Intermission

3:45 P.M. Symposium: Panel Discussions of Thalamotomy
Moderator*Harold C. Voris*
Panelists.....*Claude Bertrand, Grant Levin,
John F. Mullan, William W. McKinney*

5:00 P.M. Adjournment

6:30 P.M. No-Host Cocktail Hour—Emerald Room

NOTES

PROGRAM

THURSDAY, NOVEMBER 1

- 7:30 A.M. Welcoming Breakfast for Residents—Castilian Room (3rd Floor)
- 7:30 A.M. Committee Breakfasts—Nile Room (3rd Floor)
- 7:30 A.M.-5:00 P.M. Registration—Booth No. 2 Lobby Corridor
- 8:30 A.M.-5:30 P.M. Exhibits—Grecian Room
-

Scientific Meeting—Emerald Room

PLEASE WEAR NAME BADGE FOR ADMISSION
SUBMIT QUESTIONS FOR PANEL DISCUSSION

Presiding Officer—Richard L. DeSaussure

- 9:00 A.M. Pituitary Adenomas. A Follow-up Study of the Cushing Series.....*William J. German*
- 9:30 A.M. A Comparative Assessment of Pneumoencephalography in the Investigation of Cerebral Neoplasms and Increased Intracranial Pressure.....*E. Graeme Robertson*
- 10:00 A.M. Craniopharyngioma.....*Donald D. Matson*
- 10:30 A.M. Intermission
- 11:00 A.M. Surgical Treatment of Acromegaly..*Bronson S. Ray*
-

12:15 P.M. Congress Luncheon—Continental Room

NOTES

PROGRAM

THURSDAY, NOVEMBER 1

Scientific Meeting—Emerald Room

PLEASE WEAR NAME BADGE FOR ADMISSION

SUBMIT QUESTIONS FOR PANEL DISCUSSION

Presiding Officer—James T. Robertson

- 1:30 P.M. The Venous Angiogram: A Frequently Overlooked Phase of Carotid Angiography*Hillier L. Baker, Jr.*
- 2:00 P.M. The Reliability of Neuroradiology*Giovanni Di Chiro*
- 2:30 P.M. Pituitary Tumors in Cushing's Syndrome.....*D. A. D. Montgomery*
- 3:00 P.M. Intermission
- 3:15 P.M. Heavy Particles in Neoplastic and Neurologic Disease.....*John H. Lawrence*
- 3:45 P.M. Question and Answer Panel*Lyle A. French, Moderator*
- 4:30 P.M. Business Meeting for Members
-
- 6:30 P.M. Reception and Cocktail Hour—Poolside (Emerald Room in case of rain)

PROGRAM

THURSDAY, NOVEMBER 1

7:30 P.M. Dinner Dance—Emerald Room
Honored Guest—Dr. Bronson S. Ray
Presentation of Gavel to President by Women's
Auxiliary

DRESS OPTIONAL—PLEASE WEAR NAME BADGE

PROGRAM

FRIDAY, NOVEMBER 2

8:00 A.M. Late Registration—Booth No. 2 Lobby Corridor

8:30 A.M.-6:00 P.M. Exhibits—Grecian Room

Scientific Meeting—Emerald Room

PLEASE WEAR NAME BADGE FOR ADMISSION

SUBMIT QUESTIONS FOR PANEL DISCUSSION

Presiding Officer—Edwin M. Todd

- 9:00 A.M. The Efficacy of Radiation Therapy for
Intracranial Neoplasms.....*Carleton B. Pierce*
- 9:25 A.M. The Use of Steroids for Control of
Cerebral Edema*Lyle A. French*
- 9:50 A.M. Aneurysms Mistaken for
Hypophyseal Tumors.....*James C. White*
- 10:15 A.M. Intermission
- 10:30 A.M. Introduction of New President, A. Roy Tyrer, Jr.
- 10:45 A.M. Surgery of Recurrent Intracranial
Tumors*Bronson S. Ray*
- 11:45 A.M. Question and Answer
Panel*E. Graeme Robertson, Moderator*
- 12:30 P.M. Adjournment—AFTERNOON FREE

PROGRAM

FRIDAY, NOVEMBER 2

Free Afternoon Program—Continental Room

Legend: P = Paper, M = Movie

- 1:30 P.M. (M) Diastematomyelia:
Its Surgical Management.....*Paul W. Myers, M.D.*
- 1:40 P.M. (P) Treatment of Cervical Disc Disease and
Cervical Spine Injury by Anterior Interbody
Fusion*Eugene E. Herzberger, M.D.*
- 1:55 P.M. (M) Surgical Treatment of Spondylolisthesis
by Posterior Elementectomy and Vertebral
Body Fusion.....*Ben R. Wiltberger, M.D.*
- 2:05 P.M. (P&M) Precise Localization of Sites of
Lumbosacral Nerve Root
Compression.....*C. Lennart Herlin, M.D.*
- 2:20 P.M. Discussion
- 2:30 P.M. (M) Total Removal of Cerebellar Pontine
Angle Tumor by Extradural Middle
Fossa Approach*J. B. Doyle, Jr., M.D.*
William R. House, M.D.
- 2:48 P.M. (M) Hemispherectomy, Technique and
Results*Jorge A. Picaza, M.D.*
- 3:00 P.M. (M) Cortical Excision in Treatment of
Focal Epilepsy*Donald S. Bickers, M.D.*
- 3:12 P.M. Discussion
- 3:20 P.M. Coffee Break

PROGRAM

FRIDAY, NOVEMBER 2

Free Afternoon Program—Continental Room

Legend: P = Paper, M = Movie

- 3:30 P.M. (M) Axial Encephalography, Contrast
Ventriculography and
Myelography*Jose L. Garcia Oller, M.D.*
- 3:50 P.M. (P&M) Radio Opaque Spinal Fluid Miscible
Media for Ventriculography and
Myelography; Instant Electronic Carotid
Angiography*Frederick E. Jackson, M.D.*
Marvin Loeb
- 4:10 P.M. Discussion
- 4:15 P.M. (P) Surgical Treatment of Abnormal Involuntary
Movement Disorders, Using the Fairman
Stereotactic Technique.....*Irwin Perlmutter, M.D.*
David Fairman, M.D.
- 4:25 P.M. (P) Retinal Artery Embolus; A Complication of
Carotid Endarterectomy....*John Shillito, Jr., M.D.*
- 4:30 P.M. (P) The Treatment of Arteriovenous Fistulae
by Intracranial Clipping of the Major
Feeding Arteries*D. E. Richardson, M.D.*
Raeburn C. Llewellyn, M.D.
- 4:40 P.M. Discussion
- 4:45 P.M. Adjournment

NOTES

PROGRAM

SATURDAY, NOVEMBER 3

8:30 A.M. Registration Desk—Booth No. 2 Lobby Corridor

8:30 A.M.-12 Noon Exhibits—Grecian Room

Scientific Meeting—Continental Room

PLEASE WEAR NAME BADGE FOR ADMISSION

SUBMIT QUESTIONS FOR PANEL DISCUSSION

Presiding Officer—Ralph A. Olson

9:00 A.M. Surgical Considerations of
Cerebrovascular Disease.....*Michael E. DeBakey*

9:25 A.M. Four-Vessel Angiography in
Extracranial Disease and the Percentage
Yield for Surgery.....*E. Stephens Gurdjian*

9:50 A.M. Observations on the Variable
Relationship of the Carotid and
Vertebral Circulation.....*John E. Whiteleather*

10:15 A.M. Effects of Electric Environment
of Thrombosis.....*Seymour Schwartz*

10:40 A.M. Intermission

Presiding Officer—Richard L. DeSaussure

11:00 A.M. Trends in Neurological Surgery.....*Bronson S. Ray*

11:45 A.M. Question and Answer
Panel*Francis Murphey, Moderator*

12:30 P.M. Adjournment

CONGRESS OF NEUROLOGICAL SURGEONS GEOGRAPHICAL ROSTER

AFRICA

SOUTH RHODESIA
Levy, Laurence Fraser

ALABAMA

BIRMINGHAM

Graham, Stanley E.
Haynes, Walter G.
Landers, Bluiitt L., Jr.
Sweeney, Donald B.

MOBILE

Cowley, Howard S.
Mudd, Robert H.

MONTGOMERY

Bostwick, Jackson L.

ARIZONA

PHOENIX

Eisenbeiss, John A.
Hoffman, George T.
Pfeil, Edgar T., Jr.
Pittman, Hal Watson
Steelman, Harry E.

TUCSON

Elkins, Charles W.
Fonseca, Juan E.

ARKANSAS

LITTLE ROCK

Adametz, John H.
Fletcher, Thomas M.
Padberg, Frank

CALIFORNIA

BAKERSFIELD

Albin, George

BEVERLY HILLS

Ander, Maxwell M., Jr.
Carton, Charles A.
Heifetz, Milton D.
Rothenberg, Stanford F.
Seletz, Emil

ENCINO

Rosenberg, Alan W.

GLENDALE

Fox, J. DeWitt

FRESNO

Pace, John Q.
Zealear, David S.

LONG BEACH

Mense, Jackson S.
Pineda, Anselmo
Polmeteer, Frank E.

LOS ANGELES

Abbott, Kenneth H.
Avol, Milton
Brown, M. Hunter
Cummings, Kenneth L.
Dodge, Henry W.
Feldman, Avner I.
Northrup, Paul E.
Raney, Aidan A.

LYNWOOD

Amyes, Edwin W.

MONTEREY

Thelen, Emil P.

OAKLAND

Raskind, Robert
Siefert, H. Jack
Van Horn, Philip R.
Weyand, Robert D.

PALO ALTO

Arnstein, Lawrence H.
Golden, James B.
Meub, Daniel W.

PASADENA

Crue, Benjamin L., Jr.
Freshwater, Donald B.
Todd, Edwin M.

NORTH HOLLYWOOD

Amerongen, Frederick
Faeth, William H.

RIVERSIDE

Killian, Merle F.

SACRAMENTO

Hickey, William C.
Holland, Hal C.

SALINAS

Foster, Jacob J.

SAN BERNARDINO

Estridge, Montgomery N.
Smith, Roger A.

SAN DIEGO

Cobb, Norman L.
Cranston, Robert W.
Freeman, David G.
Greenwood, Robert C.
Jackson, Frederick E.
Shafer, William A.

SAN FRANCISCO

Browne, James S.
Cross, Glen O.
Hoessly, Gian-Fortunat
Keller, Edward B.
Palmer, Robert F.
Witt, Joseph A.

SAN JOSE

Becker, Leon M.
Harper, W. Henry
Lyng, Harold Norman
Markham, James W.

SAN RAFAEL

Hanzel, Sam

SANTA ANA

Politoske, Edward J.

SANTA MONICA

Hanna, Duke
Yuhl, Eric

SANTA ROSA

Carlin, Maurice P.
McCaskill, Daniel

STOCKTON

Huff, Thomas J.
Lamond, Donald E.

TRAVIS AFB

Robertson, James T.

VAN NUYS

Huston, William A.

WALNUT CREEK

Liu, David C. T.

WHITTIER

Broussalian, Sarkis L.

GEOGRAPHICAL ROSTER (Continued)

CANADA

CALGARY, ALA.

Taylor, Charles

HAMILTON, ONT.

Dolan, Ronald A.

LONDON, ONT.

Drake, Charles G.

MONTREAL, P. Q.

Branch, Charles L.

Giroux, J. Cartier

Perot, Phanor L., Jr.

Stratford, Joseph

OTTAWA, ONT.

Mount, Harry T. R.

Peterson, Eric W.

ST. JOHN'S, NEWF.

Sutherland, Daniel

TORONTO, ONT.

Mayer, Jack A.

VANCOUVER, B. C.

Cluff, J. W.

WINNIPEG, MAN.

Parkinson, Dwight

CENTRAL AMERICA

EL SALVADOR

Kuri, Jose

Ramirez-Amaya, J. A.

MEXICO, D. F.

Del Cueto, Ramon

Gomez-Mendez, Francisco

Gonzalez-Cornejo, Salvador

Guzman, Hernando

Mariscal, G. Gonzalez

Olive, J. Ignacio

Velasco-Suarez, Manuel

COLORADO

COLORADO SPRINGS

Presti, Matthew

Sheldon, Keith W.

DENVER

Boyd, Harry R.

Craigmile, Thomas K.

Giffin, John G.

McClintock, Homer G.

PUEBLO

Williams, James R.

CONNECTICUT

BRIDGEPORT

Bayless, Allan

Paget, John F.

HARTFORD

Basile, John X. R.

Dunsmore, Rembrandt

Reilly, Francis G.

NEW HAVEN

Davey, Lycurgus M.

Frankel, Saul A.

McDonnell, Robert R.

Robinson, Franklin

NEW LONDON

Cavicke, David C.

Cooper, Donald Wesley

STAMFORD

McNerney, John C.

WATERBURY

O'Brien, Francis H.

Sturman, Robert H.

WOODBRIIDGE

Flanigan, Stevenson

DELAWARE

WILMINGTON

Hillyard, Raymond W.

Olmeda, Livio

DENMARK

GLOSTRUP

Taarnhoj, Palle

DISTRICT OF COLUMBIA

WASHINGTON, D. C.

Ammerman, Harvey H.

Gallagher, John P.

Green, Sydney

Hayes, George J.

Horwitz, Norman H.

Hustead, Arthur P.

Jakoby, Ruth

Johnson, Donald A.

Luessenhop, Alfred J.

Mendelsohn, Robert A.

Rizzoli, Hugo

Spence, William T.

FLORIDA

CORAL GABLES

Perlmutter, Irwin

Strain, Richard E.

DAYTONA BEACH

Scott, Thomas E., Jr.

HIALEAH

Yates, Basil M.

JACKSONVILLE

Bird, C. Ashley

Chandler, Howard C.

Grizzard, Vernon T.

Sullivan, E. J.

LAKELAND

Gould, Purdue L.

Taxdal, David S. R.

MIAMI

Barrett, J. W.

Ehlert, Albert J.

Keedy, Christian

Reynolds, David H.

Tolmarch, Robert S.

ORLANDO

Hoff, Theodore F.

Howarth, J. Cornell

PALM BEACH

Schwab, John E.

PENSACOLA

Kimbell, Fariss D., Jr.

SARASOTA

Sullivan, Benjamin H.

ST. PETERSBURG

Babcock, Roy Huston

Thompson, John M.

TAMPA

Aliff, Robert C.

GEORGIA

ATLANTA

Bickers, Donald S.

Dowman, Charles E.

Jolley, Fleming

Mabon, Robert

Moore, William W., Jr.

Sears, Robert A.

Smith, Richard A.

Walker, Exum

GEOGRAPHICAL ROSTER (Continued)

AUGUSTA

Manganiello, Louis O. J.
Nichols, Pomeroy
Smith, George Williams

COLUMBUS

Griffin, Jackson T., Jr.
Hazouri, Louis A.

MACON

Clark, Robert A., Jr.

SAVANNAH

Clary, Warren U.

HAWAII

HONOLULU

Lowrey, John J.
Silver, Maurice L.

IDAHO

BOISE

Kiefer, Edward J.

ILLINOIS

CHICAGO

Amador, Luis V.
Corcoran, Charles E.
Johnson, A. Beaumont
Manfredi, Roland
Nilges, Richard G.
Oberhill, Harold R.
Rosenbluth, Paul R.
Speigel, I. Joshua
Voris, David C.
Voris, Harold C.

JOLIET

McCoy, Archibald D.

MOLINE

Goldstein, Stanton L.

ROCKFORD

Anderson, Robert L.
Van LANDINGHAM, John H.

SKOKIE

Duffy, James J.

SPRINGFIELD

Barringer, Floyd S.
Hayner, Robert

INDIA

VELLORE (SOUTH INDIA)

Chandy, Jacob

INDIANA

FORT WAYNE

Bossard, John W.
Hastings, Warren C.
Manning, George C., Jr.

INDIANAPOLIS

Campbell, Robert L.
Cure, Charles W.
Fausset, C. Basil
Hann, Eldon C.
Hetherington, John A.
Luros, J. Theodore
Manders, Karl L.
Mealey, John
Russell, John R.

MUNSTER

Westhaysen, Peter Vander

SOUTH BEND

Baran, Charles
Ebin, Judah L.
Feferman, Martin E.

IOWA

CEDAR RAPIDS

Wallace, William E.

DAVENPORT

Rovine, Byron W.

DES MOINES

Abbott, Walter D.
Bakody, John T.
Hayne, Robert A.

IOWA CITY

Skultety, F. Miles

SIOUX CITY

Brown, Carroll A.

ISRAEL

JERUSALEM

Beller, Aaron J.

ITALY

ROME

Guidetti, Benianimo

KANSAS

KANSAS CITY

Brackett, Charles E., Jr.
Cooper, Jack R.

TOPEKA

Tozer, Richard C.
Woods, Robert P.

WICHITA

Schweinfurth, James P.

KENTUCKY

LOUISVILLE

Marshall, Thomas M.
Reed, H. Lester
Seegerberg, Ludwig H.
Smiley, Gordon L.

KOREA

SEOUL

Moon, Tai Joon

LOUISIANA

BATON ROUGE

Edelman, Joseph M.
Forman, Oliver Duane

NEW ORLEANS

Colclough, John A.
Garcia-Oller, Jose L.
Jackson, John D.
Llewellyn, R. C.

MARYLAND

BALTIMORE

Arnold, James
Aronson, Neil I.
Horning, E. Douglas
McQueen, John Donald
Mosberg, William H.
Sharrett, John O.
Thompson, Raymond K.
Udvarhelyi, George B.

BETHESDA

Baldwin, Maitland
Glasauer, Franz E.
Van Buren, John

HAGERSTOWN

Abdullah, Adel F.

MASSACHUSETTS

BOSTON

Brougham, Milton F.
Humphreys, Storer P.
Ojemann, Robert G.

GEOGRAPHICAL ROSTER (Continued)

- Selverstone, Bertram
Shillito, John, Jr.
Walker, James C.
Yuan, Robert H.
- BROOKLINE**
Hinchey, Thomas P. R.
- CAMBRIDGE**
Valin, Robert J.
- LOWELL**
Landry, Christopher L.
- NEW BEDFORD**
Hastings, Nelson
- SPRINGFIELD**
Cheney, Roger H.
Pava, Arthur A.
- MICHIGAN**
- ANN ARBOR**
Carrington, Kenneth
Schneider, Richard C.
Taren, James A.
- BATTLE CREEK**
Griffith, Jack C.
- BAY CITY**
Taheri, Z. E.
- DETROIT**
Eisenbrey, Arthur B., Jr.
Gass, H. Harvey
Gurdjian, E. S.
Hardy, Warren G.
Knighton, Robert S.
Lindner, David W.
McGuire, John F.
Nielsen, Aage
Ostrowski, Arthur Z.
Thomas, L. M.
Webster, John E.
- FLINT**
Dawson, Ralph E.
Day, John M.
- GRAND RAPIDS**
Allen, I. Willis
Lamberts, Austin E.
List, Carl F.
Williams, John R.
- KALAMAZOO**
Weadon, Preston S.
- PONTIAC**
Gates, Edward M.
Martin, Francis A.
- SAGINAW**
Farley, A. W., Jr.
- MINNESOTA**
- DULUTH**
Strewler, Gordon J.
- MINNEAPOLIS**
Blake, Paul S.
Chou, Shelley N.
Johnson, David R.
Olson, C. Kent
Story, Jim Lewis
Titrud, Leonard
- ROCHESTER**
Miller, Ross H.
Svien, Hendrik J.
- ST. PAUL**
Merrick, Robert L.
- MISSISSIPPI**
- JACKSON**
Andy, Orlando J.
Hodges, Lucien R.
Youmans, Julian R.
- MISSOURI**
- CLAYTON**
Walker, Francis S.
- KANSAS CITY**
Carmichael, Francis A.
Forsythe, Robert W.
Lewis, Revis C.
Pucci, Gregory L.
Weiford, Edward C.
Wu, William Q.
- SPRINGFIELD**
McAlhany, Howard J.
- ST. LOUIS**
Coxe, William S.
Goldring, Sidney
Kendig, John H.
Palazzo, Frank A.
Schaerer, Jacques P.
Smolik, Edmund A.
- MONTANA**
- BILLINGS**
Baumann, Carl H. H.
Schwidde, Jess T.
- GREAT FALLS**
Cashion, Ernest L.
Johnson, Alexander C.
- NEBRASKA**
- LINCOLN**
Gogela, Louis
- OMAHA**
Browne, Kenneth
Muehlig, Wilbur A.
- NEVADA**
- RENO**
Rosenauer, Adolph
- LAS VEGAS**
Ver Bruggen, Adrien
- NEW HAMPSHIRE**
- HANOVER**
Fisher, Robert G.
Sachs, Ernest, Jr.
- NEW JERSEY**
- CAMDEN**
Rushton, Harold W.
- EAST ORANGE**
Winter, Arthur
- JERSEY CITY**
Winokur, Gerald L.
- MAPLEWOOD**
Green, Robert E.
- MORRISTOWN**
Kuhn, Robert A.
- NEWARK**
Medinets, Howard E.
Somberg, Harold M.
Wood, Francis A.
- RED BANK**
Donahue, Lawrence A.
- SUMMIT**
Liss, Henry R.
Mathews, Ernest S.
- TRENTON**
Sagen, William
Scheuerman, Walter G.

GEOGRAPHICAL ROSTER (Continued)

NEW MEXICO

ALBUQUERQUE

Gay, James R.
Klenbanoff, M. Robert
Miller, Leroy J.
Mora, Frederico
Morgan, Clinton W., Jr.

NEW YORK

ALBANY

Kite, William C., Jr.

BAY SHORE

Bloom, William H.

BROOKLYN

Cook, Albert Williams

BUFFALO

Angelo, Martin
Cohn, George A.
Perese, Dogan M.
Zoll, John G.

ELMIRA

Corradini, Everett W.

GARDEN CITY

Sengstaken, Robert W.

HEMPSTEAD

Epstein, Joseph

JAMESTOWN

Wright, Robert B.

MANHASSET

Shepard, John W.

NEW YORK

Battista, Arthur
Cooper, Irving S.
Correll, James W.
Daniels, James T.
Lin, Tung Hui
Olson, Ralph A.
Ralston, Bruce L.
Ransohoff, Joseph

NIAGARA FALLS

Stepian, Alexander

POUGHKEEPSIE

Weiss, Robert M.

ROCHESTER

Brzustowicz, Richard
McDonald, Joseph V.

Wiley, J. LaRue

Zinker, Leonard L.

SCHENECTADY

Haines, Gerald L.
Mason, Thomas H.

SYRACUSE

Batkin, Stanley
Ecker, Arthur
King, Robert B.

WATERTOWN

Flood, John F.

WHITE PLAINS

Gang, Kenneth M.

YONKERS

Wisoff, Hugh S.

NORTH CAROLINA

ASHEVILLE

McKeel, Millard E.
Van Blaricom, Lawrence S.

CHAPEL HILL

Dugger, Gordon S.
Timmons, Robert Lansing

CHARLOTTE

Blanchard, George C.
Culbreth, George G.
Pitts, William R.

DURHAM

Lockhart, Walter S., Jr.
Nashold, Blaine Sanders, Jr.
Tindall, George

RALEIGH

Allen, LeRoy

WINSTON-SALEM

Davis, Courtland, Jr.
de la Torre, Ernesta
Jeffreys, Everett

NORTH DAKOTA

FARGO

Christoferson, Lee A.
Gustafson, Maynard B.

OHIO

AKRON

Baird, William C.
Weinberger, Laurence M.

CANTON

Bird, Robert B.

CINCINNATI

Budde, Richard B.
Chambers, William R.
Devanney, John W., Jr.
Hunter, Curwood R.
McBride, Bert H.
McLaurin, Robert
Osher, Daniel
Slemmer, Robert E.

CLEVELAND

Bell, Herbert Sidney
Dohn, Donald F.
Hegarty, William M.
Ling, Alexander
Trowbridge, William V.

COLUMBUS

Hunt, William E.
Leimbach, Warren H.
Meagher, John N.
Price, Pliny A.
Retter, Richard
Sayers, Martin Peter
Secrest, Roy J.
Theodotou, C. B.

DAYTON

Hollister, Nathaniel R.
Hughes, Owen Floyd
Roth, David B.

HAMILTON

Simpson, James R.

LIMA

Glass, Bernard

LORAIN

Hoke, George E.

TOLEDO

Booth, George T.
Earnest, Franklin III
Hopple, Theron L.
Shuer, Bernard B.
Webb, J. Hugh

YOUNGSTOWN

Brocker, Robert J.
Turner, Oscar A.
Whitten, Charles A., Jr.

ZANESVILLE

Glaser, Harry T.

GEOGRAPHICAL ROSTER (Continued)

OKLAHOMA

OKLAHOMA CITY

Lisle, A. C., Jr.
Rutledge, Robert

TULSA

Imler, Robert L., Jr.
Stowell, Averill

OREGON

MEDFORD

Campagna, Mario J.
Storino, Henry E.

PORTLAND

Austin, George M.
Gordy, Philip D.
Kloos, Edward K.
Kvernland, Bruce N.

PENNSYLVANIA

ALLENTOWN

Jaeger, Robert M.
Tilly, David A.

BRYN MAWR

van den Noort, Gordon

DANVILLE

Hood, Henry L.

ERIE

Druckemiller, William H.
Kinal, Murl E.
Shafer, William A.

HARRISBURG

Markley, George M.
Silvermail, William I., Jr.
Zerbe, Walter G.

LANCASTER

Polcyn, John L.

PHILADELPHIA

Bouzarth, William
Groff, Robert A.
Jones, Robert K.
Lin, Paul
Murtagh, Frederick
Olsen, Axel K.
Polakoff, Pedro P., Jr.

PITTSBURGH

Baker, Robert L.
Gray, George H., Jr.

Grunnagle, Jerome F.
Hershey, Richard E.
Kessler, Laibe A.
Lemmen, Lloyd Jean

READING

Johnson, Herbert C.

UPPER DARBY

Brady, Joseph A.

*HILIPPINE ISLANDS

MANILA

Cube, Henry M.

PUERTO RICO

SANTURCE

Guzman-Lopez, Luis R.
Longo, Rafael
Ramirez-de Arellano, Max

RHODE ISLAND

PROVINCE

Barry, David M.
Cotter, Walter C.
Stoll, Julius, Jr.

SOUTH AMERICA

ARGENTINA

Fairman, David

COLOMBIA

Becerra-Lara, Antonio J.
Mezia-R, Ismel

URUGUAY

Arana-Iniquez, Arminio

SOUTH CAROLINA

CHARLESTON

Martin, Luther C.
Wannamaker, Gordon T.

GREENVILLE

Espey, Frank F.
Wrenn, Frank R.

SOUTH DAKOTA

RAPID CITY

Crowder, Richard B.

SIOUX FALLS

Smith, George W.

SPAIN

BARCELONA

Isamat, Fabian

MADRID

Bravo, Gonzalo J.

TENNESSEE

CHATTANOOGA

Boehm, Walter E.
Chobot, Edwin F., Jr.

KINGSPORT

O'Connell, Frank B., Jr.

KNOXVILLE

Smith, E. Eidson

MEMPHIS

Cannon, Bland W.
Cashion, Ernest L.
DeSaussure, Richard L.
Gioia, D. Frederick
Hunter, Samuel E.
Miller, Joseph Hardy
Ogle, William S.
Patrick, Bernard S.
Picaza-Benitez, Jorge A.
Schultz, Elmer C.
Simmons, James C. H.
Tyrer, A. Roy, Jr.
Wallace, Peter B.

NASHVILLE

Capps, Joe Melville
Cobb, Cully A., Jr.
McClure, Christopher C., Jr.
Scheibert, C. David

SEWART AFB

Graham, Wistar L.

TEXAS

AUSTIN

LaLonde, Albert A.
Turpin, William R.

BEAUMONT

Rafes, Earl H.
Starr, Harry

CORPUS CHRISTI

Klotz, Joseph G.
Norstrom, Craig

GEOGRAPHICAL ROSTER (Continued)

DALLAS

Boland, Grant L.
Cherry, Glenn R.
Nash, Tom M.
Sanders, Morris
Wilson, Charles

EL PASO

Stratemeyer, Winslow P.

FORT WORTH

Rehfeldt, Frederick C.

GALVESTON

Jackson, Ira J.

HOUSTON

Ashkenazy, M.
Caram, Pedro C.
Fountain, Edmund M.
Jones, J. Randolph
Pollard, Claude, Jr.
Robertson, Joseph W.
Sharkey, Paul C.

LACKLAND AFB

Myers, Paul W.

LUBBOCK

Dunn, Jack, Jr.
Evans, William G.

SAN ANTONIO

Hardy, Robert C.
Kingman, Allen F., Jr.
Munslow, Ralph A.
Price, Richard D.

WACO

Slade, Harry

UTAH

SALT LAKE CITY

Karavitis, Andrew L.
Roberts, Theodore

VERMONT

BURLINGTON

Wallman, Lester J.

VIRGINIA

CHARLOTTESVILLE

Fuchs, Kaspar
Martinez-G., Juan D.

NEWPORT NEWS

Coppola, Armando R.

NORFOLK

McFadden, Joseph T.
Rinaldi, Italo

PORTSMOUTH

Wood, Matthew W.

RICHMOND

Botton, Jacques E.
Kell, Joseph F., Jr.
Kendrick, John F.
Velo, Antonio G.

ROANOKE

Tice, William P.
Varner, John D.
Weaver, Edgar N.

WASHINGTON

SEATTLE

Biddle, Arthur S.
Stafford, Donald E.
Tytus, John S.

SPOKANE

Dumke, Hobart H.
Kessler, Alfred R.
Lander, Howard

YAKIMA

Gottlieb, Cornelius M.

WEST VIRGINIA

BLUEFIELD

Hillier, William F., Jr.

CHARLESTON

Caudill, Carrell M.
Nichols, James B., Jr.

MORGANTOWN

Bloor, Byron Michel

WILLIAMSON

Robson, John Theodore

WISCONSIN

MADISON

Suckie, Henry M.

MARSHFIELD

Salibi, Bahij S.

MILWAUKEE

Cleveland, David
Levin, Jules D.
Mufson, Joseph A.
Ulfrich, Donald P.

MONROE

Herzberger, Eugene E.

NEENAH

Suechting, Ralph L.

RACINE

Gerol, A. Yale

WAUSAU

Williamson, L. M.

WYOMING

CHEYENNE

Grizzle, Claude O.
Schreiner, Leon

CONGRESS OF NEUROLOGICAL SURGEONS

ALPHABETICAL ROSTER

HONORARY MEMBERS

1952—OLIVECRONA, HERBERT	Professor of Neurosurgery Serafimerlasarettet & Hantverkaregatan 2 B, Stockholm, Sweden
*1953—JEFFERSON, SIR GEOFFREY	
1954—McKENZIE, KENNETH G.....	Professor of Surgery University of Toronto, Toronto, Canada
1955—RAND, CARL	Clinical Professor of Neurological Surgery University of South California Los Angeles, California
1956—PENFIELD, WILDER G.....	Directör, Montreal Neurological Institute Montreal, Quebec, Canada
1957—GRANT, FRANCIS C.	
1958—WALKER, EARL	Professor of Neurological Surgery The Johns Hopkins University Baltimore, Maryland
1959—GERMAN, WILLIAM	Professor of Neurological Surgery School of Medicine, Yale University New Haven, Connecticut
1960—BUCY, PAUL C.....	Professor of Surgery Northwestern University Chicago, Illinois
1961—BUSCH, EDUARD A. V.....	Professor of Neurosurgery University of Copenhagen Copenhagen, Denmark

* Deceased

ACTIVE MEMBERS

Abbott, Kenneth H., (Mariann).....	1720 New Jersey St.....	Los Angeles 33, California
Abbott, Walter D., (Ada Lee).....	900 Des Moines Bldg.....	Des Moines, Iowa
Abdullah, Adel F., (Louise).....	132 North Potomac Street.....	Hagerstown, Maryland
Ablin, George, (Mildred).....	2828 H St.....	Bakersfield, California
Adametz, John H., (Helen).....	1014 Donaghey Bldg.....	Little Rock, Arkansas
Aliff, Robert C., (Martha).....	814 Citizens Bldg.....	Tampa 2, Florida
Allen, L. Willis, (Victoria).....	245 State Street, SE.....	Grand Rapids, Michigan