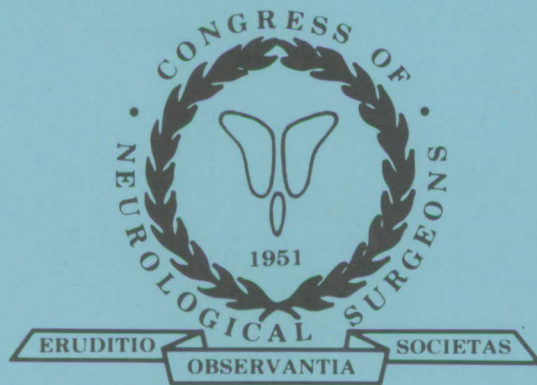


PRELIMINARY PROGRAM  
28TH ANNUAL MEETING  
SEPTEMBER 24-29, 1978

WASHINGTON HILTON  
WASHINGTON, D.C.



**CONGRESS OF NEUROLOGICAL SURGEONS, INC.**

## GENERAL INFORMATION

1. A HOTEL RESERVATION CARD for the Washington Hilton Hotel is enclosed. Mail your card directly to the hotel.
2. A MEETING REGISTRATION FORM is enclosed. There are special forms for Members, Non-Members, and Residents. Please BE SURE you use the correct form.
3. There is LIMITED REGISTRATION for the SPECIAL COURSES, SPECIAL INTEREST WORKSHOPS, "HOW I DO IT SESSIONS," and LUNCHEON DISCUSSION GROUPS. REGISTER EARLY!!
4. MEMBERS, RESIDENTS, and NON-MEMBERS: Mail your meeting registration card to:  
Congress of Neurological Surgeons  
Attention: Michael I. O'Connor  
Williams & Wilkins  
428 East Preston Street  
Baltimore, Maryland 21202
5. The HOTEL RESERVATION CARD for the SUPPLEMENTARY SCIENTIFIC PROGRAM is enclosed. Questions regarding the SUPPLEMENTARY SCIENTIFIC SESSION SHOULD BE DIRECTED TO:  
Dr. Darwin J. Ferry  
2601 Franklin Rd. S.W.  
Roanoke, VA 24014
6. A special packet "TAKE ME HOME TO YOUR WIFE" is enclosed to outline Auxiliary activities.

## SPECIAL COURSES — LIMITED REGISTRATION

Monday, September 25, 1978

8:30 am - 12:30 pm Course I

### CORRELATIVE NEURORADIOLOGY

David O. Davis &  
Meredith Weinstein

- A. Computerized axial tomography — anatomical correlations
- B. Cerebral angiography — anatomical correlations
- C. Special diagnostic problems
  - 1. Cerebellopontine angle
  - 2. Sellar and parasellar region
  - 3. Vascular lesions

8:30 am - 12:30 pm Course II

### BLOOD-BRAIN-CSF-BARRIER

- A. Anatomy of blood-brain and blood-CSF barriers Alex Roberts
- B. Role of choroid plexus in central nervous system homeostasis Antonio Lorenzo
- C. Clinical physiology and pharmacology of the blood-brain barrier William Oldendorf
- D. Clinical expressions of alterations in the CSF system Keasley Welch
- E. Pathological alterations of the blood-brain barrier Michael Pollay

**GENERAL INFORMATION**

**SPECIAL COURSES**

1:30 pm - 5:30 pm

Course III

**PEDIATRIC NEURORADIOLOGY**

Roy Strand

- A. Skull and brain
- B. Spine and spinal cord

1:30 pm - 5:30 pm

Course IV

**PRACTICAL NEUROPHARMACOLOGY  
FOR THE NEUROCLINICIAN**

Robert Snodgrass

Robert Snodgrass

Seymour Reichlin

- A. Introduction
- B. Applied Neuropharmacology
- C. Neuroendocrinology
- D. Pain and the Neuropharmacologist
  - 1. Chemical studies of opiate receptors and natural peptide ligands
  - 2. An endorphin mediated analgesia system

Candace Pert

Howard Fields

**SCIENTIFIC PROGRAM**

## Tuesday, September 26

8:00 am - 12:10 pm

### MICRONEUROSURGERY — INSTRUMENTS, ANATOMY, AND ANEURYSMS

1. The history of microsurgery in neurosurgery — R. M. Peardon Donaghy
2. Instrumentation and techniques in microsurgery — Leonard I. Malis
3. Pre and post-operative management of cerebral aneurysms — S. J. Peerless
4. Operative approaches to aneurysms — Charles Wilson
5. Microsurgery of aneurysms of the anterior circulation — M. Gazi Yasargil
6. Micro-anatomy of aneurysm surgery — Albert L. Rhoton, Jr.
7. Vasospasm: An update — Nicholas Zervas
8. HONORED GUEST PRESENTATION: Aneurysms of the posterior circulation — Charles G. Drake

11:25 am

12:30 pm - 2:00 pm

### LUNCHEON DISCUSSION GROUPS (Nos. 1-11)

See appropriate pages for selection

12:30 pm - 2:00 pm

### "HOW I DO IT SESSIONS" (Nos. 12-16)

See appropriate pages for selection

2:30 pm - 3:45 pm

### SPECIAL INTEREST WORKSHOPS I (A-E)

See appropriate pages for selection

4:15 pm - 5:30 pm

### SPECIAL INTEREST WORKSHOPS II (F-J)

See appropriate pages for selection

**SPECIAL COURSES**

**SCIENTIFIC PROGRAM**

**Wednesday, September 27**

8:00 am - 12:30 pm

**MICROSURGERY — TUMORS, CRANIAL AND PERIPHERAL NERVES**

1. Microscopic anatomy of base of skull — Bruce Pearson
2. Transphenoidal tumor surgery-extrasellar — Jules Hardy
3. Transphenoidal tumor surgery-intrasellar — Edward Laws
4. Microscopic anatomy of the internal acoustic meatus — Albert L. Rhoton, Jr.
5. Microsurgery and problems in posterior fossa surgery — Theodore Kurze
6. Microsurgical approach to orbital tumors — Joseph Maroon
7. **PRESIDENTIAL ADDRESS** — Albert L. Rhoton, Jr.
8. Anatomy and surgery of tumors of the pineal region — Bennett M. Stein
9. Microscopic anatomy and surgery of peripheral nerves — David G. Kline
10. Microsurgery of cranial nerve cross compression syndromes — Peter J. Jannetta

10:40 am

12:30 pm - 2:00 pm

**LUNCHEON DISCUSSION GROUPS (nos. 17-27)**

See appropriate pages for selection

12:30 pm - 2:00 pm

**"HOW I DO IT SESSIONS" (Nos. 28-32)**

See appropriate pages for selection

2:30 pm - 5:30 pm

**CINE CLINICS**

## Thursday, September 28

8:00 am - 12:20 pm

### MICROSURGERY — AVM'S, SPINAL CORD AND REVASCULARIZATION

1. Is there a place for cerebral revascularization? — Henry J. M. Barnett
2. Techniques of supratentorial cerebral revascularization — John M. Tew, Jr.
3. Patient selection and results in posterior fossa revascularization — James Ausman
4. Techniques and complications of posterior fossa revascularization — Thor Sundt
5. Arteriovenous malformations — Pathogenesis and natural history — W. Jost Michelsen
6. Microscopic approach to anterior spine and spinal cord — Julian T. Hoff
7. Microsurgery for spinal cord arteriovenous malformations — Leonard I. Malis
8. Microsurgery for spinal cord tumors — Bennett M. Stein
9. Microsurgery for cerebral arteriovenous malformations — M. Gazi Yasargil
10. **HONORED GUEST PRESENTATION:** The treatment of arteriovenous malformations — Past & Present — Charles G. Drake

11:45 am

12:30 pm - 2:00 pm

12:30 pm - 2:00 pm

2:15 pm - 4:45 pm

### LUNCHEON DISCUSSION GROUPS (Nos. 33-43)

See appropriate pages for selection

### "HOW I DO IT SESSIONS" (Nos. 44-48)

See appropriate pages for selection

### OPEN SCIENTIFIC SESSION I

### OPEN SCIENTIFIC SESSION II

## SCIENTIFIC PROGRAM

## Friday, September 29

8:00 am - 12:30 pm

1. Neurotransmitters — Perspectives and Prospects — Julius Axelrod
2. Neuropeptides and pain: Neurosurgical implications — William Sweet
3. "Slow Virus" infections: Implications for the neurosurgeon — Colin Masters/Carlton Gajdusek

9:30 pm

4. **HONORED GUEST PRESENTATION:** The surgery of giant aneurysms — Charles G. Drake
5. Barbituates in neurosurgery — Julian T. Hoff
6. New radiographic techniques in spinal cord evaluation — Air, metrizamide, CT and xeroradiography — Arthur Rosenbaum
7. Advances in the treatment of cervical cord injuries — Robert White
8. Advances in the treatment of thoracolumbar injuries — Arthur Kobrine

## SPECIAL NOTICES

1. **Drugs and Devices Committee** — Will meet on Sunday, September 24, 1978, 9:00 a.m. - 5:00 p.m. in the Hemisphere Room.
2. **Placement Committee** — Will be located in the Congress Headquarters.
3. **International Committee** — Will sponsor an International Breakfast Conference on Wednesday, September 27, 1978, 6:30 a.m. - 8:00 a.m. in the Hemisphere Room. The topic will be "A Glimpse of Neurosurgery in China." On Thursday, September 28, there will be a breakfast for committee members at 6:30 a.m. in the Farragut Room.
4. **Auxiliary Scientific Session** — Fourth Annual Scientific Program  
Wednesday, September 27, 1978  
9:00 a.m. - 10:30 a.m.    Microneurosurgery—Edward R. Laws  
   Edward F. Downing
5. **Joint Socio-Economic Committee** — Will meet on Friday, September 22, 1978, 5:00 p.m. - 11:00 p.m., Saturday, September 23, 1978, 8:00 a.m. - 5:00 p.m. and Sunday, September 24, 1978, 9:00 a.m. - 5:00 p.m. in the Monroe Room.



## AUXILIARY AND SOCIAL ACTIVITIES

### Daily

8:00 a.m. - 5:00 p.m.

8:00 a.m. - 10:00 a.m.

2:00 p.m. - 4:00 p.m.

Auxiliary Hospitality Suite — Conservatory

Auxiliary Continental Breakfast — Conservatory

Refreshments — Conservatory

### Monday, September 25, 1978

9:30 a.m. - 11:00 a.m.

9:00 a.m. - 12:00 noon

11:30 a.m. - 4:30 p.m.

1:00 p.m. - 6:00 p.m.

2:00 p.m. - 5:00 p.m.

7:00 p.m. - 8:30 p.m.

Residents' Wives Breakfast

City Tour (Tour #1)

Hillwood Estate & Proxmires' Tour (Tour #2)

Hillwood Estate & Proxmires' Tour (Tour #3)

Georgetown Homes and Gardens (Tour #4)

Welcoming Cocktail Party

### Tuesday, September 26, 1978

9:15 a.m. - 3:15 p.m.

2:00 p.m. - 5:00 p.m.

7:00 p.m. - Midnight

Capital Potpourri (Tour #5)

Georgetown Homes (Tour #6)

Evening at the Kennedy Center (Tour #7)

### Wednesday, September 27, 1978

9:00 a.m. - 10:30 a.m.

10:40 a.m. - 11:15 a.m.

11:30 a.m. - 2:00 p.m.

Auxiliary Scientific Session

Presidential Address

Auxiliary Annual Business Meeting

### Thursday, September 28, 1978

8:30 a.m. - 2:00 p.m.

9:00 a.m. - 2:30 p.m.

9:30 a.m. - 3:30 p.m.

6:30 p.m. - 7:30 p.m.

7:30 p.m. - Midnight

Hillwood Estate and Proxmires' (Tour #8)

Hillwood Estate and Proxmires' (Tour #9)

Capital Hill Tour (Tour #10)

Annual Reception — Cocktails

Annual Banquet

**Tuesday, September 26**

**SPECIAL INTERESTS WORKSHOPS I**

2:30 pm - 3:45 pm

(simultaneously presented)

- ✓ ① Workshop A: **National Health Insurance**  
Moderator: Donald H. Stewart  
Speakers: James Mongan, John Inglehart, Harvey Pies
- Workshop B: **Pre- and Postoperative Management of the Subarachnoid Hemorrhage Patient**  
Moderator: Robert Wilkins  
Speakers: Eugene Flamm, S. J. Peerless
- ✓ ② Workshop C: **Shunting Procedures for Occult Communicating Hydrocephalus:  
Criteria for Selection of Patients**  
Moderator: Robert Ojemann  
Speakers: C. Miller Fisher, Edward Laws
- ✓ ④ Workshop D: **Extracranial-Intracranial Bypass — Can It Prevent Stroke?**  
Moderator: Peter Heilbrun  
Speakers: Robert Ratcheson, William McCormick
- ✓ ③ Workshop E: **Post-laminectomy Syndrome: Clinicopathologic Considerations, Prevention, and Treatment**  
Moderator: Stewart Dunsker  
Speakers: Charles Fager, Hubert Rosomoff

## SPECIAL INTERESTS WORKSHOPS II

4:15 pm - 5:30 pm

(simultaneously presented)

✓ Workshop F: Practical Considerations in Patient Positioning and the Use of the Operating Microscope

Moderator: John Tew

Speakers: Leonard Malis, John Fox

③

Workshop G: Functional Adenomas of the Pituitary Gland

Moderator: Nicholas Zervas

Speakers: Edward Laws, Joseph Martin

✓ Workshop H: Tethered Cord Syndrome and Other Occult Dysraphic States

Moderator: Edwin G. Fischer

Speakers: Bruce Hendrick, Roy Strand

①

✓ Workshop I: Unilateral Cervical Disc Radiculopathic Disease: Anterior vs Posterior Operative Approach

Moderator: Edward Downing

Speakers: William Scoville, Edward Schlesinger

②

✓ Workshop J: New Applications of the CT Scanner to the Lumbar Spine

Moderator: David O. Davis

Speakers: William Glenn

④

SPECIAL INTEREST WORKSHOPS

## LUNCHEON DISCUSSION GROUPS — LIMITED REGISTRATION

### Tuesday, September 26

1. The unruptured aneurysm
- ① ✓ 2. Current status of shunt devices for hydrocephalus
- ✓ 3. Surgical syndromes of the hypothalamus
- ③ ✓ 4. Chemotherapy of brain tumors
5. CT scanning in spinal disease
6. Brain stimulation for the treatment of pain
7. Intraventricular tumors in children
- ② ✓ 8. Management of spinal stenosis
9. Anterior commissurotomy for relief of pain
- ④ ✓ 10. Learning microsurgery
11. Management of ruptured aneurysms

### 12:30 pm - 2:00 pm (Nos. 1-11)

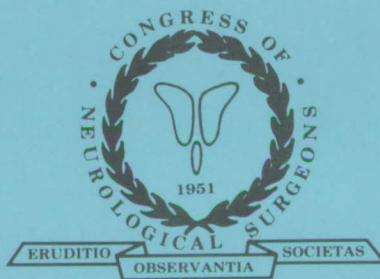
Speakers	Moderator
John A. Jane	Calvin B. Early
Thomas H. Milhorat	Edwin G. Fischer
Peter W. Carmel	Martin H. Weiss
Michael D. Walker	Robert G. Selker
Giovanni Di Chiro	Stacy L. Rollins, Jr.
Donald E. Richardson	Harold A. Wilkinson
Timothy B. Scarff	J. Charles Rich
Philip R. Weinstein	Frederick T. Schwartz
Robert B. King	Gary D. VanderArk
John L. Fox	R. M. Peardon Donaghy
Donald P. Becker	Fremont P. Wirth

### Wednesday, September 27

- ② ✓ 17. Positron emission tomography — dynamic scanning
18. A new approach to thoracic disc surgery
19. Diagnosis and treatment of orbital tumors
- ① ✓ 20. Indications and technique for facet rhizotomy
21. Facial pain — Pathogenesis and therapy
- ③ ✓ 22. Cerebral protection with barbituates: An update
- ④ ✓ 23. Platelet inhibiting drugs in stroke

### 12:30 pm - 2:00 pm (Nos. 17-27)

Speakers	Moderator
Robert L. Grubb, Jr.	Lawrence H. Pitts
A. Basil Harris	Norman H. Horwitz
Joseph C. Maroon	Frederick A. Simeone
Donlin M. Long	Alfred J. Luessenhop
Robert B. King	G. Robert Nugent
Lawrence F. Marshall	Julian T. Hoff
James T. Robertson	F. Donald Cooney



## **New Features of the 28th Annual Meeting**

Cine Clinics will be held on Wednesday afternoon, September 27, 1978, at the Washington Hilton Hotel. Movies by neurosurgeons throughout the world will be featured. Each movie will be shown and narrated by its author. This new feature of the Congress Meeting is particularly suited for the overall theme of the Meeting — Microneurosurgery.

A Video Tape Library will be available to registrants from Monday through Friday during Congress Week. Tapes which have been loaned to the Congress for this Meeting will be made available in the Thoroughbred Room of the Washington Hilton. Video tape movies with audio headsets may be used on a sign-up basis and tapes from the library viewed at any time during the Meeting. A librarian sign-out system will insure maximum usage of the tapes that are available.

A special briefing session for the Presidents of the State Neurological Societies, prepared by the Officers and Executive Committee of the Congress of Neurological Surgeons, the Joint Socio-Economic Committee and the Washington Committee, will be held on Tuesday from 8:00 a.m. - 11:00 a.m. in the Caucus Room.

In addition to these new features, heavy emphasis has been placed by the Program Committee on the very popular special courses, luncheon discussion groups, workshops, "How I Do It Sessions" and invited lecturers by well-known authorities in the field of microneurosurgery.

**HOW I DO IT SESSIONS**

**NEW FEATURES**

- |  |                                    |                     |
|--|------------------------------------|---------------------|
| 24. Neuroaugmentive surgery: Indications and limitations | James G. Wepsic/<br>Charles Burton | Edward Ganz         |
| 25. Transoral decompression of atlanto-axial dislocation | Alvin D. Greenberg                 | Eben Alexander, Jr. |
| 26. Cerebellar stimulation for cerebral palsy            | Ross Davis                         | John Van Buren      |
| 27. Embolization of spinal arteriovenous malformations   | John L. Doppman                    | W. Jost Michelsen   |

### Thursday, September 28

### 12:30 pm - 2:00 pm (Nos. 33-43)

- |  | Speakers            | Moderator            |
|--|---------------------|----------------------|
| 33. Selection and evaluation of surgical candidates with functional pituitary endocrinopathies | Martin H. Weiss     | Peter W. Carmel      |
| 34. Emergency surgery of the carotid artery  | Robert M. Crowell   | Robert A. Ratcheson  |
| 35. Television, movie, and still photography through the operating microscope                  | Ronald I. Apfelbaum | Robert F. Spetzler   |
| ✓ 36. Organization of neurosurgical intensive care unit  | Glenn W. Kindt      | Lawrence F. Marshall |
| ✓ 37. Percutaneous cordotomy   | Edward Ganz         | Philip L. Gildenberg |
| 38. Current concepts in vasospasm  | Roberto C. Heros    | George S. Allen      |
| 39. Cerebral blood flow studies in evaluation of EC/IC bypass procedures                       | M. Peter Heilbrun   | Robert L. Grubb, Jr. |
| 340. Recent concepts in the therapy of spinal cord trauma                                      | Thomas B. Ducker    | John Van Gilder      |
| 341. Non-invasive techniques in the evaluation of cerebral vascular disease                    | David G. Piepgras   | Howard H. Kaufman    |
| 42. Management of carotid cavernous fistulas   | Sean Mullan         | Donald J. Prolo      |
| 43. Neuroanesthesia — Intraoperative monitoring and induced hypotension                        | Maurice S. Albin    | Eugene S. Flamm      |

### LUNCHEON DISCUSSION GROUPS

## HOW I DO IT SESSIONS — LIMITED REGISTRATION

### Tuesday, September 26

12. Occipital — PICA bypass
13. Transphenoidal surgery
14. Posterior circulation anerysms
15. The surgery of entrapment neuropathies
16. Microsurgery in craniopharyngiomas

**12:30 pm - 2:00 pm**

Speakers	Moderator
James I. Ausman	David G. Piepgras
Jules Hardy	Edward R. Laws, Jr.
S. J. Peerless	James G. McMurtry III
David M. Kline	Arthur I. Kobrine
M. Gazi Yasargil	Julian T. Hoff

### Wednesday, September 27

28. STA-MCA bypass
29. Extracranial vascular surgery
30. Balloon obliteration of carotid cavernous fistulas
31. Anterior cervical diskectomy
32. Microvascular decompression of cranial nerves

**12:30 pm - 2:00 pm**

Speakers	Moderator
Robert M. Crowell	Gary G. Ferguson
Edward F. Downing	M. Peter Heilbrun
Donald J. Prolo	Dwight Parkinson
John M. Tew	Russell W. Hardy, Jr.
Peter J. Jannetta	Charles A. Fager

### Thursday, September 28

44. Acoustic tumors
45. Aggressive therapy of craniosynostosis
46. Intracranial pressure monitoring
47. Cervical Fusions
48. American Board of Neurological Surgery:  
Preparations and Pitfalls

**12:30 pm - 2:00 pm**

Speakers	Moderator
Robert G. Ojemann	Edward Tarlov
Martin P. Sayers	Paul H. Chapman
Donald P. Becker	Derek A. Bruce
Eben Alexander, Jr.	Ralph A. Lehman
W. Kemp Clark	Robert B. King