



Steamboat Neurosurgical Symposium



Steamboat Springs

STEAMBOAT NEUROSURGICAL SYMPOSIUM
"Controversies in Neurosurgery"

presented by

Mayfield Neurological Institute

and

Department of Neurosurgery
University of Cincinnati Medical Center,
Good Samaritan Hospital, The Christ Hospital

Course Directors
John M. Tew, Jr., M.D.
Thomas S. Berger, M.D.
William D. Tobler, M.D.
Bert H. McBride, M.D.

February 18 - 22, 1991

20 Hours Category I Credit

Sheraton Steamboat Resort
2200 Village Inn Court
Steamboat Springs, CO 80477
303-879-2220
800-325-3535

STEAMBOAT NEUROSURGICAL SYMPOSIUM 1991
"CONTROVERSIES IN NEUROSURGERY"
FEBRUARY 18-22, 1991

SUNDAY, FEBRUARY 17

7:00 p.m. **COLORADO COCKTAIL PARTY**

MONDAY, FEBRUARY 18

6:30 a.m. **VIDEOTAPE TEACHING SESSION, CONTINENTAL BREAKFAST AND VIEWING EXHIBITS**

7:00 a.m. **CONTROVERSIES IN SPINE IMAGING-ACCURACY, EFFICACY, AND COST ANALYSIS**

Stephen Pomeranz, M.D.

8:00 a.m. **CHIARI ANOMALIES IN CHILDREN: OUTFLOW OBSTRUCTION AND HYDROCEPHALUS OF THE CORD**

Derek Bruce, M.D.

4:00 p.m. **THE ROLE OF STEREOTAXIS IN GLIOMAS-BIOPSY vs RADICAL RESECTION, NO CONTROVERSY AT ALL**

William Tobler, M.D.

5:00 p.m. **THE CASE FOR RADICAL EXCISION OF INTRAMEDULLARY SPINAL CORD TUMORS INSTEAD OF BIOPSY AND RADIATION**

Bennett Stein, M.D.

5:45 p.m. **SHUNTS: MYTHS AND REALITIES**

Derek Bruce, M.D.

TUESDAY, FEBRUARY 19

6:30 a.m. **VIDEOTAPE TEACHING SESSION, CONTINENTAL BREAKFAST AND VIEWING EXHIBITS**

7:00 a.m. **RADIOSURGERY AND SURGICAL EXCISION OF AVM's-WHERE TO DRAW THE LINE**

John Tew, Jr., M.D.

7:45 a.m. **SEIZURES, TEMPORAL LOBE AVM's, AND METHODS OF SURGICAL TREATMENT**

Arthur Day, M.D.

8:45 a.m. **SURGICAL EXCISION OF AVM's OF THE BASAL GANGLIA AND BRAINSTEM**

John Tew, Jr., M.D.

9:45 a.m. **SPINAL AVM's-CURRENT CONCEPTS OF TREATMENT**

Bennett Stein, M.D.

10:15 a.m. **PANEL DISCUSSION, PARTICIPANT CASE PRESENTATION**

6:30 p.m. **ROCKY MOUNTAIN BANQUET**

9:30 p.m. **SPECIAL GUEST PRESENTATION**

WEDNESDAY, FEBRUARY 20

6:30 a.m. **VIDEOTAPE TEACHING SESSION, CONTINENTAL BREAKFAST AND VIEWING EXHIBITS**

7:00 a.m. **ANTERIOR COMMUNICATING ARTERY ANEURYSMS-CONCEPTS FOR SURGICAL TREATMENT IN 1991**

Arthur Day, M.D.

8:00 a.m. **EMBOLIZATION OF AVM's-A PRIMARY TREATMENT MODALITY**

Thomas Tomsick, M.D.

8:30 a.m. **EMBOLIZATION OF AVM's-AN ADJUNCTIVE TREATMENT MODALITY**

Bennett Stein, M.D.

4:00 p.m. **ISSUES CONCERNING THE SKULL BASE SURGEON AND THE SKULL BASE TEAM IN NEUROSURGICAL PRACTICE**

Jon Robertson, M.D.

5:00 p.m. **NEUROTHROMBOLYSIS-tpa FOR STROKE-A SIGNIFICANT ADVANCE?**

Thomas Tomsick, M.D.

5:45 p.m. **THE STATUS OF CLINICAL NEUROSURGICAL RESEARCH IN THE 1990'S**

Jeffrey Keller, Ph.D.

THURSDAY, FEBRUARY 21

6:30 a.m. **VIDEOTAPE TEACHING SESSION, CONTINENTAL BREAKFAST AND VIEWING EXHIBITS**

7:00 a.m. **TREATMENT OPTIONS IN THE MANAGEMENT OF CRANIOPHARYNGIOMAS**

Thomas Berger, M.D.

8:00 a.m. **THE ROLE OF OPERATIVE TREATMENT IN THE FRACTURED CERVICAL SPINE**

Volker Sonntag, M.D.

4:00 p.m. **THE HISTORY OF STEREOTAXIS IN VASCULAR DISEASE AND CURRENT CONCEPTS**

William Tobler, M.D.

5:00 p.m. **THE TREATMENT OF THE TETHERED SPINAL CORD**

Thomas Berger, M.D.

6:00 p.m. **ABSTRACT PRESENTATION**

FRIDAY, FEBRUARY 22

6:30 a.m. **VIDEOTAPE TEACHING SESSION, CONTINENTAL BREAKFAST AND VIEWING EXHIBITS**

7:00 a.m. **ACOUSTIC NEUROMAS-A BRITISH EXPERIENCE**

Anthony Strong, M.D.

8:00 a.m. **FOLLOW-UP RESULTS OF MVD FOR HEMIFACIAL SPASM TRIGEMINAL NEURALGIA**

Akinori Kondo, M.D.

4:00 p.m. **CONTROVERSIES AND COMPLICATIONS IN THE TREATMENT OF GLOMUS JUGULARE TUMORS**

Jon Robertson, M.D.

5:00 p.m. **STEROIDS IN SPINAL CORD INJURY-NEW INFORMATION ON AN OLD TOPIC**

Volker Sonntag, M.D.

5:45 p.m. **CASE REVIEW, PROGRAM SUMMARY, AND CLOSING REMARKS**

FACULTY

Thomas S. Berger, M.D.
Professor of Clinical Neurosurgery
University of Cincinnati Medical Center
Mayfield Neurological Institute
Cincinnati, Ohio

Derek Bruce, M.D., Ch.B.
Associate Clinical Professor of Neurosurgery
University of Texas Medical Center
Dallas, Texas

Arthur L. Day, M.D.
Associate Professor of Neurosurgery
University of Florida Health Science Center
Gainesville, Florida

Jeffrey Keller, Ph.D.
Research Associate Professor, Neurosurgery
University of Cincinnati Medical Center
Mayfield Neurological Institute
Cincinnati, Ohio

Akinori Kondo, M.D.
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Kitano Hospital
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Stephen J. Pomeranz, M.D.
Co-Director of Magnetic Resonance
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Jon Robertson, M.D.
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University of Tennessee Center for Health Science
Memphis, Tennessee

Volker Sonntag, M.D.
Associate Professor of Neurosurgery
University of Arizona Medical Center
Phoenix, Arizona

Bennett Stein, M.D.
Professor and Chairman of Neurosurgery
Columbia University School of Medicine
New York, New York

Anthony Strong, M.D.
Consultant Neurosurgery
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London, England

John M. Tew, Jr., M.D.
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University of Cincinnati Medical Center
Mayfield Neurological Institute
Cincinnati, Ohio

William D. Tobler, M.D.
Assistant Professor of Neurosurgery
University of Cincinnati Medical Center
Mayfield Neurological Institute
Cincinnati, Ohio

Thomas Tomsick, M.D.
Professor of Radiology
University of Cincinnati Medical Center
Cincinnati, Ohio

GENERAL INFORMATION

DATES: February 18-22, 1991

TIME: 6:30-9:00 a.m. and 4:00-6:30 p.m. daily. The midday break is provided to allow ample time for skiing and enjoying other recreational activities in Steamboat Springs.

ACCOMMODATIONS: The Sheraton Steamboat Resort and Conference Center has 440 rooms. The address for direct information is: 2200 Village Inn Court, Steamboat Springs, CO 80477 or call 800-325-3535.

TUITION: \$600.00 payable with pre-registration. A \$50 cancellation fee will be charged for withdrawals after January 15, 1991. All foreign payments must be made by a draft on a U.S. Bank. Tuition includes opening cocktail party, continental breakfast daily, and Rocky Mountain Banquet for registrants.

TRANSPORTATION: In the winter Steamboat is easily reached by non-stop air service from major American cities to the Yampa Valley Regional Airport and the Steamboat Springs STOLport. Continental Express flies directly from Denver's Stapleton International Airport to STOLport daily.

INFORMATION: For further information write or phone: Sheila Stuckey, Program Coordinator, Mayfield Neurological Institute, 506 Oak Street, Cincinnati, OH 45219. Phone 513-569-5251. FAX 513-569-5365.

SPECIAL NOTE:

SIMULTANEOUS MIDAS REX HANDS-ON WORKSHOP: At the request of the Steamboat Neurosurgical Symposium, a Midas Rex Hands-On Workshop has been scheduled which overlaps some of the Symposium. Enrollees in the Midas Rex Hands-On Workshop should meet the schedule of that workshop; they may attend the Neurosurgical Symposium at those times when there is no conflict with the Midas Rex Workshop schedule.

JOINT FEE: For those who enroll in the Midas Rex Hands-On Workshop, there is **no additional fee** for participation in the Steamboat Neurosurgical Symposium.

SEPARATE ENROLLMENTS: A separate enrollment form must be sent to each course. Enclose the Midas Rex course fee with that enrollment; indicate on the Steamboat Neurosurgical Symposium enrollment blank that you are enrolling in the Midas Rex Hands-On Workshop.

REGISTRATION FORM

Please Print

TUITION: \$600.00*.

Make checks payable to:
Neuroscience Foundation

Mail to:
Steamboat Neurosurgical Symposium
506 Oak Street
Cincinnati, OH 45219

For those who enroll in the Midas Rex
Hands-On Workshop, February 18-19-20,
there is no additional fee for participation in
the Steamboat Neurosurgical Symposium.

Name _____

Address _____

City _____

State _____ Zip _____

Telephone _____

Social Security # _____

STEAMBOAT SPRINGS, COLORADO
February 18 - 22, 1991

BULK RATE
U.S. Postage
PAID
Permit 1202
Fort Worth, TX 76111



STEAMBOAT NEUROSURGICAL SYMPOSIUM
Steamboat Springs, Colorado
February 18 - 22, 1991

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Steamboat

Springs

The Department of Neurosurgery
University of Cincinnati Medical Center,
Mayfield Neurological Institute,
The Christ and Good Samaritan Hospitals
and
MIDAS REX Institute

present

A NEUROSURGICAL SYMPOSIUM and HANDS-ON WORKSHOP

For Neurosurgeons, Plastic, Craniofacial,
Maxillofacial, and Otolaryngological Surgeons

MODERN DISSECTION TECHNIQUES of BONE, BIOMETALS, BIOCERAMICS, and BIOPLASTICS

18 Hours CME Credit (Neuro 700)

COURSE DIRECTORS:

John M. Tew, Jr., M.D.
William D. Tobler, M.D.
Thomas S. Berger, M.D.
Susan Mitchell, Ed.D.
Tom Mickel, Ph.D.

GUEST FACULTY:

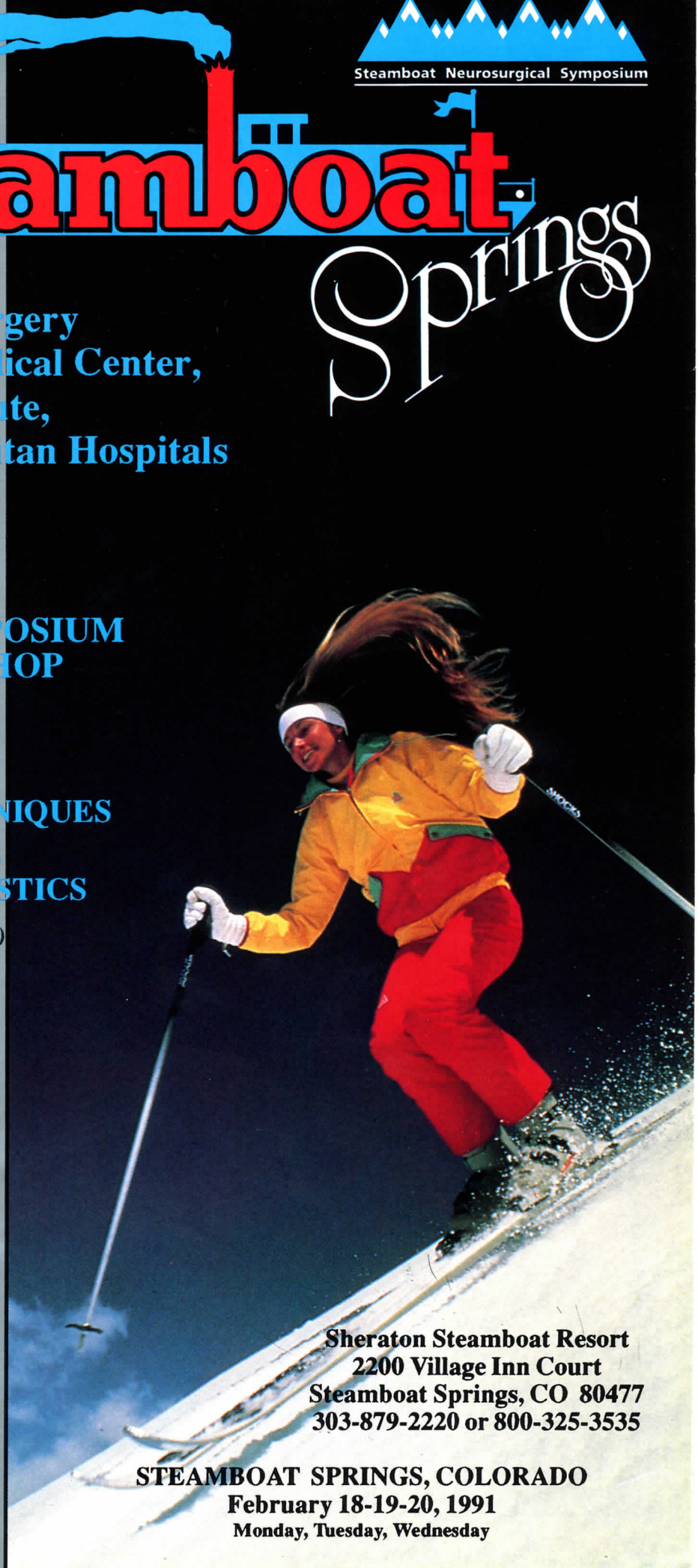
John M. Tew, Jr., M.D.
William D. Tobler, M.D.
Thomas S. Berger, M.D.

OR Personnel will participate in the same activities.

Steamboat Neurosurgical Symposium

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overlaps this workshop. See Special Note inside.



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303-879-2220 or 800-325-3535

STEAMBOAT SPRINGS, COLORADO

February 18-19-20, 1991

Monday, Tuesday, Wednesday

MODERN DISSECTION TECHNIQUES of BONE, BIOMETALS, BIOCERAMICS, and BIOPLASTICS

(Neuro 700)

PROGRAM

Monday, February 18, 1991

6:30 a.m. Registration
Complimentary
continental breakfast
(change to scrub suit)
7:00 a.m. Hands-On Workshop I*
9:30 a.m. Refreshments
9:45 a.m. Hands-On Workshop II*
1:00 p.m. Adjourn for afternoon

Tuesday, February 19, 1991

6:30 a.m. Complimentary
continental breakfast
(change to scrub suit)
7:00 a.m. Hands-On Workshop III*
9:30 a.m. Refreshments
9:45 a.m. Hands-On Workshop IV*
1:00 p.m. Adjourn for afternoon
7:00 p.m. Dinner discussion

Wednesday, February 20, 1991

6:30 a.m. Complimentary
continental breakfast
(change to scrub suit)
7:00 a.m. Hands-On Workshop V*
9:30 a.m. Refreshments
9:45 a.m. Hands-On Workshop VI*
1:00 p.m. Adjourn

*Hands-On Workshops I through VI are sequential and no part should be omitted.

GUEST FACULTY:

JOHN M. TEW, JR., M.D. • Professor and Chairman of Neurosurgery, University of Cincinnati Medical Center • Director, Graduate Education Program in Neurological Surgery, University of Cincinnati Medical Center • Mayfield Neurological Institute • The Christ and Good Samaritan Hospitals; Cincinnati, Ohio

WILLIAM D. TOBLER, M.D. • Assistant Professor of Neurosurgery, University of Cincinnati Medical Center • Mayfield Neurological Institute, Cincinnati, Ohio

THOMAS S. BERGER, M.D. • Professor of Clinical Neurosurgery, University of Cincinnati Medical Center • Mayfield Neurological Institute, Cincinnati, Ohio

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SYMPOSIUM FORMAT

MIDAS REX® HANDS-ON WORKSHOPS: These workshops emphasize a series of structured exercises, utilizing appropriate animal bones, bioplastics, bioceramics, biometals, mock-ups, and skeletal bone. Advanced dissection skills are developed with advanced pneumatic instrumentation. The state-of-the-art in handling biometals, bioceramics, and bioplastics is thoroughly examined and explored (see Symposium Objectives in this folder). Because the workshops

SYMPOSIUM OBJECTIVES

(Neuro 700)

- I. Surgeons will explore current concepts in neurosurgery and craniofacial and related boneworking through lectures, conferences, and clinical procedures on video.
OR personnel will participate in the same activities.
- II. Surgeons will participate in hands-on workshops with advanced pneumatic instrumentation so their boneworking problems will be refined, expedited, and facilitated.
OR personnel will participate in hands-on workshops as well as give particular attention to equipment care and maintenance, so that when OR personnel have completed the course, they will have improved competence in OR support.

omitted.

CONFERENCES: Enrollees are invited to bring x-rays and/or other reference to problem cases on which they wish conference or discussion.

LECTURES: Distinguished faculty lecturers will make formal presentations and hold discussions on aspects of neurosurgery.

CLINICAL PROCEDURES: Video tapes of a variety of clinical procedures, presenting techniques of unusual and current interest, will be available for viewing and discussion.

COURSE DINNER: A complimentary dinner discussion for faculty, enrollees and their guests will be held on Tuesday, February 19, at 7:00 p.m.

ACCOMMODATIONS: Sheraton Steamboat Resort, 2200 Village Inn Court, Steamboat Springs, CO 80477. Make reservations directly with the hotel. Phone: 800-325-3535 or 303-879-2220. Cut off date for room reservations is January 1, 1991.

ENROLLMENT: Enrollment is limited. Please call to reserve space before sending check or arranging travel plans. All enrollments should be made through the MIDAS REX office in Fort Worth.

m. Surgeons who have completed the symposium should be able to apply immediately the techniques and skills in the operating room to do their bonework *per se* in the time delineated*:

CRANIUM*: Osteoplastic temporal flap, 1 1/2 min. • Posterior craniectomy, 45-60 sec. • Osteoplastic posterior craniotomy, 1-2 min. • Free temporal flap, 1 min. • Burr hole, 1-3 sec. • Hemicraniotomy, 2 min. • Bilateral frontal flap, 3 1/2 min. • Two osteoplastic subdural buttons, 2 min. • Work about the clivus • Traction anchors • Cranioplasty.

CRANIOFACIAL, MAXILLOFACIAL*: Frontal • Maxillectomy • Zygomectomy • Orbital • Supra orbit • Infra orbit • LeForte I, II, III osteotomies and craniofacial remodeling • Mandibular resection • Mandibular osteotomy • Mandibular reduction • Facial fractures • Suture holes.

ORL*: Mastoidectomy, 1-4 min. • Translabyrinthine acoustic neuroma, 30 min. • Orbital fossa dissection.

BIOPLASTICS*: Methylmethacrylate - dissect, excise, shape • Polyethylene - abrade *in situ*, dissect *in situ*, transect *in situ*, shape.

BIOMETALS (Superalloys, Titanium alloys, Stainless steels)*: Transect and shape in OR, 1-6 min.; *in situ*, 1-6 min.

SPINE*: 4-Place laminectomy, 6-7 min. • Anterior cervical fusion with osteophyte removal, bone graft, 3-4 min. • Posterolateral fusions • Posterior interbody fusions • Foraminotomies, 30 sec. • Osteophyte removals, 30 sec. • Harrington rod removals • Harrington rod transection *in situ*, 2 min • Fusions - posterior and anterior • Disc and nerve root problems • Unroofing nerves • Taking down old fusions, 1-8 min.

Plastic, ENT, Craniofacial and Maxillofacial problems will be explored according to the individual wishes of the surgeons.

*Procedural times refer to the actual time of running the instrument.

Surgeons will be furnished with sufficient materials for any special procedure they may envision.

MIDAS REX Institute

2929 Race Street • Fort Worth, Texas 76111 • Telephone 800-433-7639 or 817-831-2604 • FAX 817-834-4835

ENROLLMENT IS LIMITED. PLEASE CALL TO RESERVE SPACE BEFORE SENDING CHECK OR MAKING TRAVEL PLANS.

If you have reserved space, you may use this form or a letter to transmit your check made to MIDAS REX Institute.

NAME _____ PHONE _____

ADDRESS _____

CITY _____ STATE/COUNTRY _____ ZIP _____

My check made to MIDAS REX Institute is for _____ in _____ *Neuro 700*
(date) (location)

Surgeon Fee: U.S. \$965.00*; Fellow/Resident Fee: U.S. \$585.00*(with cover letter from department chairman); Operating Room Personnel (RN/CST/PA/Other) Fee: U.S. \$250.00*

*Fee is for consumable equipment, animal bone mock-ups, skeletal materials, gas, etc. Additional cost is underwritten by MIDAS REX Institute.

I understand that cancellation three weeks prior to a course will carry full refund; after that time a small portion of my fee will be retained: (Surgeon - U.S. \$150.00; Resident - U.S. \$100.00; OR Personnel - U.S. \$50.00).

Steamboat Springs, Colorado

A NEUROSURGICAL SYMPOSIUM
and HANDS-ON WORKSHOP

February 18-19-20, 1991

Midas Rex Faculty

Educational Consultants

Robert Bullard, Ph.D.
Richard Coup, Ed.D.
James DeBoer, Ph.D.
James Dukelow, Ph.D.
Norman McDaniel, Ph.D.
Tom Mickel, Ph.D.
Glen Mitchell, Ph.D.
Jane Mitchell, Ph.D.
Robert Murray, Ph.D.
Terry Sensenbaugh, Ph.D.
Lee Sobania, Ph.D.
Jim Stretch, Ph.D.
Ray Umber, Ph.D.
Michael Vail, Ph.D.
Stewart Willason, Ph.D.

Technical Consultant

Forest C. Barber, M.D.
Director of Education
Susan Mitchell, Ed.D.
Registrar
Max Mitchell, Ed.D.
Neurosurgical Consultant
William McKinney, M.D.
Hospital Consultant
Dolph Compere, M.D.



Steamboat
Springs



The course schedule is designed to allow afternoons free to attend the Steamboat Springs Neurosurgical Symposium or for skiing and sightseeing.