



Steamboat Neurosurgical Symposium



Steamboat Springs

**STEAMBOAT NEUROSURGICAL SYMPOSIUM
"Innovations in Spinal and Intracranial Surgery"**

presented by

Mayfield Neurosurgical 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 25-March 2, 1990

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
"INNOVATIONS IN SPINAL AND INTRACRANIAL SURGERY"
FEBRUARY 26 - MARCH 2, 1990

SUNDAY, FEBRUARY 25, 1990

7:00 p.m. COLORADO COCKTAIL PARTY

MONDAY, FEBRUARY 26

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

7:00 a.m. INTRODUCTION TO STEAMBOAT NEUROSURGICAL SYMPOSIUM

William Tobler, M.D.; John Tew, Jr., M.D.

7:15 a.m. CONTRAST ENHANCED MRI IMAGING OF THE CENTRAL NERVOUS SYSTEM

Stephen Pomeranz, M.D.

8:15 a.m. STEREOTACTIC ASSISTED CRANIOTOMY FOR TUMOR
AND VASCULAR MALFORMATIONS

William Tobler, M.D.

4:00 p.m. SURGICAL NEUROANATOMY OF THE CRANIAL BASE -
A NEUROSURGEONS REVIEW

Jeffrey Keller, Ph.D.

5:00 p.m. STATE OF THE ART IMAGING OF CRANIAL BASE (MRI-CT)

Thomas Tomsick, M.D.

6:00 p.m. CASE REVIEW WITH FACULTY

TUESDAY, FEBRUARY 27

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

7:00 a.m. THE TRANSMAXILLARY APPROACH TO CLIVAL REGION TUMORS

Jon Robertson, M.D.

8:00 a.m. SURGICAL APPROACHES TO ANEURYSMS OF THE POSTERIOR FOSSA

Arthur Day, M.D.

3:30 p.m. TUMORS OF THE SKULL BASE - TREATMENT OF CAVERNOUS REGION TUMORS

John Tew, Jr., M.D.

4:30 p.m. ARTERIOVENOUS MALFORMATIONS OF THE CENTRAL NERVOUS SYSTEM

Bennett Stein, M.D.

6:30 p.m. ROCKY MOUNTAIN BANQUET: HAZIES ON THE MOUNTAIN

WEDNESDAY, FEBRUARY 28

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

7:00 a.m. CHEMOTHERAPEUTIC ADVANCES IN CHILDHOOD TUMORS

Derek Bruce, M.D.

8:00 a.m. THE TREATMENT OF ASTROCYTOMAS OF CHILDHOOD AND ADOLESCENCE

Thomas Berger, M.D.

4:00 p.m. THIRD VENTRICLE TUMORS

Bennett Stein, M.D.

5:00 p.m. SURGICAL TREATMENT OF GLOMUS JUGULARE TUMORS

Jon Robertson, M.D.

6:00 p.m. DISCUSSION: THE TREATMENT OF AVMs

Bennett Stein, M.D., John Tew, Jr., M.D. and other faculty

THURSDAY, MARCH 1

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

7:00 a.m. THE SURGICAL APPROACHES AND TREATMENT OF THORACIC DISC DISEASE

John Tew, M.D.

8:00 a.m. NEW METHODS OF DETERMINING LUMBAR STABILITY - WHO AND HOW TO FUSE

Arthur Day, M.D.

4:00 p.m. SELECTIVE DORSAL ROOTLET RHIZOTOMY FOR THE TREATMENT OF SPASTICITY

Thomas Berger, M.D.

5:00 p.m. SURGICAL MANAGEMENT OF SKULL BASE TUMORS OF CHILDHOOD

Derek Bruce, M.D.

6:00 p.m. OPEN SESSION FOR ABSTRACT PRESENTATION

FRIDAY, MARCH 2

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

7:00 a.m. 3-D MRI CINEANGIOGRAPHY

Stephen Pomeranz, M.D.

8:00 a.m. INNOVATIVE FUSION AND INSTRUMENTATION TECHNIQUES
FOR THE CERVICAL SPINE

Volker Sonntag, M.D.

4:00 p.m. THE ROLE OF INTERVENTIONAL NEURORADIOLOGY: 1990

5:00 p.m. THE TRANSORAL APPROACH TO THE CERVICAL MEDULLARY FUNCTION

Volker Sonntag, M.D.

6:00 p.m. CLOSING REMARKS AND SUMMARY

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

Stephen J. Pomeranz, M.D.

Co-Director of Magnetic Resonance
The Christ Hospital
Cincinnati, Ohio

Jon Robertson, M.D.

Associate Professor of Neurosurgery
University of Tennessee Center for Health Science
Memphis, Tennessee

Volker Sonntag, M.D.

Assistant 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

John M. Tew, Jr., M.D.

Professor and Chairman of Neurosurgery
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 25-March 2, 1990

TIME: 6:30-9:00 a.m. and 4:00-6:00 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 and includes the Thunderhead Lodge with 58 luxury rooms plus 75 deluxe condo units. 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 30, 1990. 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.

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:
Steamboat Neurosurgical Symposium.

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

*For those who enroll in the MIDAS REX Hands-On Workshop, February 26-27-28, there is no additional fee for participation in the Steamboat Neurosurgical Symposium.

Name _____

Address _____

City _____

State _____

Telephone _____

Social Security # _____

STEAMBOAT SPRINGS, COLORADO
February 25-March 2, 1990

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



STEAMBOAT NEUROSURGICAL SYMPOSIUM
Steamboat Springs, Colorado
February 25-March 2, 1990

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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, ENT,
Craniofacial and Maxillofacial Surgeons

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

18 Hours CME Credit (Neuro 700)

COURSE DIRECTORS:

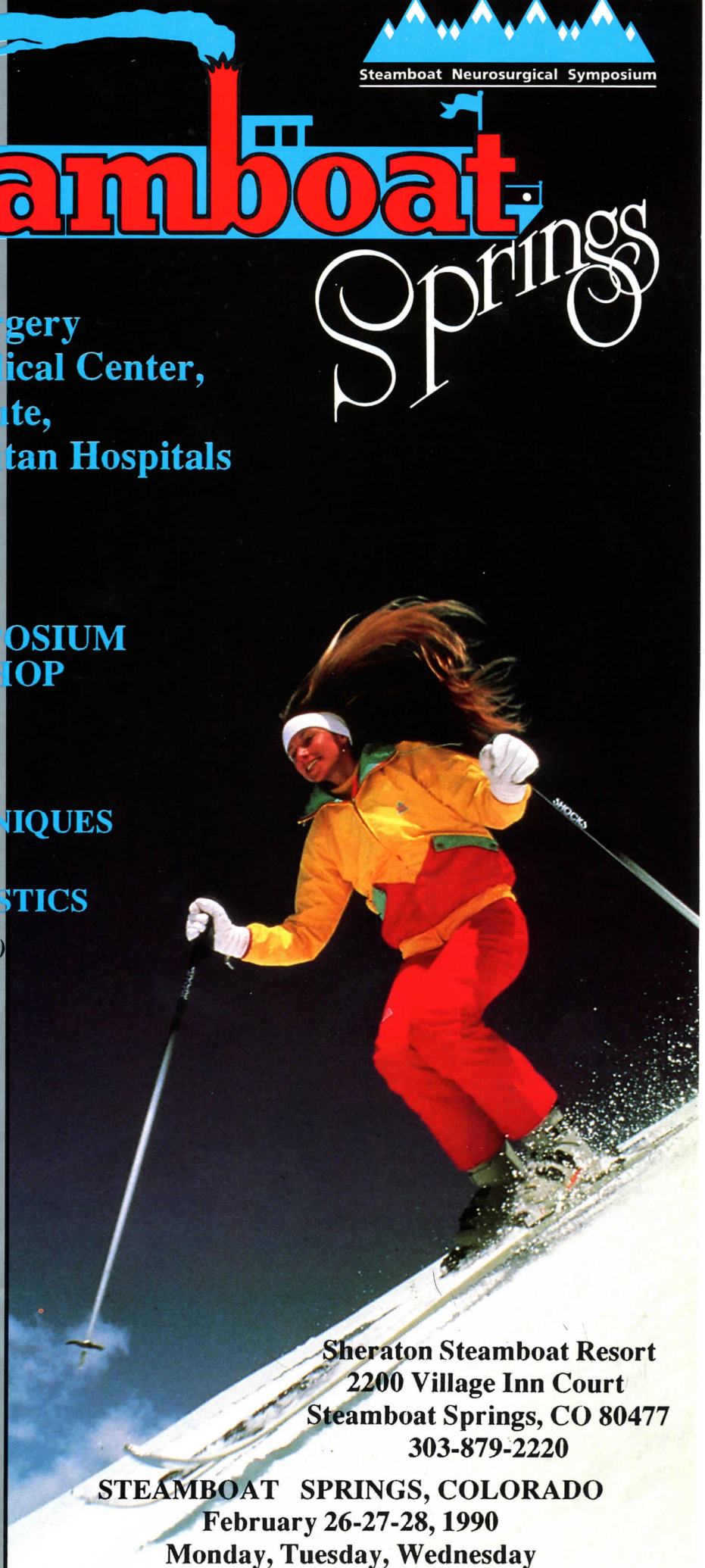
John M. Tew, Jr., M.D.
William D. Tobler, M.D.
Thomas S. Berger, M.D.
Susan Mitchell, Ed.D.
Norman McDaniel, Ph.D.

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
'Innovations in Spinal and Intracranial Surgery'
overlaps this workshop. See Special Note inside.



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

STEAMBOAT SPRINGS, COLORADO
February 26-27-28, 1990
Monday, Tuesday, Wednesday

MODERN DISSECTION TECHNIQUES OF BONE, BIOMETALS, BIOCERAMICS, AND BIOPLASTICS

(Neuro 700)

PROGRAM

Monday, February 26, 1990

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 27, 1990

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 28, 1990

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 sequential and no part should be omitted. Content of each session is cumulative to cover the specific conference objectives listed.

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

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.

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 are intensive and sequential, no

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.
- II. Surgeons will participate in hands-on workshops with advanced pneumatic instrumentation so their boneworking problems will be refined, expedited, and facilitated.
- III. Surgeons who have completed the symposium should be able to apply immediately their amplified skills in the operating room to do their bonework *per se* in the time delineated*:

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

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

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

ACCOMMODATIONS: Sheraton Steamboat Resort, 2200 Village Inn Court, Steamboat Springs, CO 80477. Please make your reservations directly with the hotel by calling 303-879-2220. Cut off date for room reservations is January 10, 1990.

COURSE DINNER: A complimentary dinner discussion for faculty, enrollees and guests will be held on Tuesday, February 27, at 7:00 p.m.

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.

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. • Hemispheric craniotomy, 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 817 838 2384

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 _____ (date) _____ (location) _____ Neuro 700

_____ Surgeon Fee: U.S. \$965.00* _____ Fellow/Resident Fee: U.S. \$585.00* _____ Operating Room Personnel (RN/CST/PA/OTHER) Fee: U.S. \$250.00*

(with cover letter from department chairman)

*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 26-27-28, 1990

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 Ueber, 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.