Western Trauma Association, Inc.

17th Annual Meeting

February 21-28, 1987

Jackson Hole, Wyoming
WESTERN TRAUMA ASSOCIATION, INC. 1986-1987

OFFICERS
Robert J. Neviase, M.D. President
Robert C. Edmondson, M.D. President-Elect
E.B. Moore, M.D. Vice-President
George E. Pierce, M.D. Treasurer
Stephen W. Carveth, M.D. Secretary

SCIENTIFIC PROGRAM
Andrew K. Palmer, M.D.

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Robert G. Volz, M.D. 1972 Vail
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William R. Hamma, M.D. 1974 Aspen
Arthur H. McGuire, M.D. 1975 Sun Valley
Lynn Ketchum, M.D. 1976 Snowmass
Frederick C. Chang, M.D. 1977 Park City
Glen D. Nelson, M.D. 1978 Steamboat
Gerald D. Nelson, M.D. 1979 Snowmass
Kevin G. Ryan, M.D. 1980 Snowbird
David S. Bradford, M.D. 1981 Jackson Hole
Dick R. Ratzer, M.D. 1982 Vail
William R. Olsen, M.D. 1983 Jackson Hole
Earl G. Young, M.D. 1984 Steamboat
Robert J. Rutherford, M.D. 1985 Snowbird
Rudolph A. Klausen, M.D. 1986 Sun Valley

PUBLICATIONS COMMITTEE
Ernest Moore, M.D. - Chairman
David Pellicano, M.D. Robert Volz, M.D.
Peter Mucha, M.D. Robert Wilson, M.D.

CMA Credits from SUNY Health Science Center - 18
<table>
<thead>
<tr>
<th>SATURDAY</th>
<th>SUNDAY</th>
<th>MONDAY</th>
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<tbody>
<tr>
<td>February 21</td>
<td>February 22</td>
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<td>Robert Neviaser</td>
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<td>Andrew Palmer</td>
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<td>7:20 to 9 am</td>
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<td>Discussion</td>
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<td>4 to 7 pm</td>
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<td>Registration</td>
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<td>5 to 7 pm</td>
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<td>Reception</td>
<td>Board of</td>
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<td>Directors</td>
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<tr>
<td>SMITH, Donald R. (Kathryn)</td>
<td>126 Virginia Avenue</td>
<td>318-232-8203 Neurosurgery</td>
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<tr>
<td>STREET, David E. (Karen)</td>
<td>818 N. Emporia, #200</td>
<td>316-263-0296 General Surgery</td>
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<tr>
<td>SNYDER, Samuel K. (Patti)</td>
<td>817-773-3996 General Surgery</td>
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<tr>
<td>TEMES, Roy L., Jr. (Joyce)</td>
<td>149 S. San Mateo Drive</td>
<td>415-142-4113 Vascular Surgery</td>
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<tr>
<td>TELANDER, Robert (Margaret)</td>
<td>132 N. 30th Street</td>
<td>406-245-3149 Orthopedic Surgery</td>
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<tr>
<td>TEAL, Peter V. (Margaret)</td>
<td>550 First St., S.W.</td>
<td>507-284-2644 Pediatric Surgery</td>
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<tr>
<td>VOLZ, Robert G. (Anne)</td>
<td>1501 N. Campbell</td>
<td>602-626-6110 Orthopedic Surgery</td>
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<tr>
<td>WALDRON, John F. (Helen)</td>
<td>6104 Braeburn Circle</td>
<td>612-871-4551 Pediatric Surgery</td>
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<tr>
<td>WATTS, Charles M. (Ruth)</td>
<td>192 Riverview Court</td>
<td>313-434-6444 Internal Medicine</td>
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<tr>
<td>WHITELEY, Ronald</td>
<td>1401 Johnston-Willis Dr.</td>
<td>804-320-2900 Orthopedic Surgery</td>
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<tr>
<td>WILSON, Robert F. (Jacqueline)</td>
<td>376 Wattles Road</td>
<td>313-494-3485 General and</td>
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<tr>
<td>WINTER, John II (Pam)</td>
<td>6020 Yellowstone Road</td>
<td>307-634-0871 Orthopedics</td>
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<tr>
<td>Wray, R. Chris (Rockey)</td>
<td>601 Elmwood Ave. Box 6610</td>
<td>316-666-1631 Internal Medicine</td>
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<tr>
<td>YAMAOCHI, Hiroshi (Anna)</td>
<td>1200 Rancho Way</td>
<td>916-666-1631 Internal Medicine and Nephrology</td>
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<tr>
<td>YOUNG, Earl G.</td>
<td>5000 W. 39th Street</td>
<td>627-7900 Orthopedic Surgery</td>
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<tr>
<td>YUAN, Hansen</td>
<td>550 Harrison Center</td>
<td>315-473-4472 Orthopedic Surgery</td>
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<thead>
<tr>
<th>SCHEDULE OVERVIEW</th>
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<tr>
<td>WEDNESDAY</td>
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<tr>
<td>February 25</td>
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<td>6:30-7:00 a.m.</td>
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<tr>
<td>Breakfast</td>
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<td>Scientific Session</td>
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<td>8:40 to 10:15</td>
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<td>Discussion</td>
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SCIENTIFIC PROGRAM

February 23, 1987

Monday Morning

6:30 - 7:00 a.m.
Breakfast

7:00 - 7:10
Welcome from Robert Neviazer

7:10 - 7:20
Introduction
Andrew Palmer

MODERATOR: R. Chris Wray

7:20
RICHARD C. DALY
Peter Mucha
Michael Farnell
The Results of Selection Criteria for Nonoperative Management of Blunt Splenic Trauma: Update

7:40
RICHARD FRAZEE
Peter Mucha
Michael Farnell
Dog Bite Injuries

8:00
RONALD E. WHITLEY
Complications of Antivenin Therapy in the Management of Crotaalidae Envenomation

8:20
GREGORY JURKOVICH
Keith McCullar
Arnold Luterman
Treatment of Snakebites: Facts - Fiction - Controversy

8:40
David Bahnson
Skidder Injuries

9:00 to 10:30
Discussion

VENOM TOXICITY:

Some venomous venoms contain

Unicellular, aggregating - usually, multithreaded
Coagulation early - usually resolves 5 days
No fibrinogen, FFP, platelets

About 1 hour venom transports
Cooling (not ice)

No elevation - no immediate site toxicity until you decide to use venom

Lion ofنته of edema in %2 = % stay & morbidity

Direct pressure may prevent desensitization
LINDEHEID, Ronald
200 First Street, SW
Rochester, MN 55901
O 507-282-2511
Orthopedic Surgery
H 282-5598

LOUIS, Dean S.
2360 Bachart Road
Ann Arbor, MI 48105
O 313-936-5200
Orthopedic Surgery
H 665-3000

LUCER, Stephen R.
836 Prudential Dr., #113
Jacksonville, FL 32210
O 904-399-3604
Orthopedic Surgery
H 387-3604

LUKANSKI, Edward M.
Johns Hopkins Hospital
Baltimore, MD
Emergency Medicine

MaccOLLUM, (Biff)
M.S. 125 E. Desert Park Lane
O 602-234-0540
Phoenix, AZ 85004
H 602-944-3873
Orthopedic and
Plastic Surgery

MALTZ, Kenneth L.
1 Baylor Plaza
O 713-790-4557
Houston, TX 77030
H 668-0776
General and
Thoracic Surgery

MCCLOSKEY, Brian L.
Kansas City, KS 66103
General Surgery

MCGILL, John W.
777 Bannock Street
O 303-893-7034
Denver, CO 80220
Emergency Medicine

MCGUIRE, Arthur M.
3110 Hermitage Road
O 408-242-6361
Pebble Beach, CA 93953
Ltc. Mc (Peggy)
General Surgery

McKINLEY, C. Richard
4728 West Lake
O 612-920-7660
Urology
(Susan)
Harriet Boulevard
H 920-6664

MILLER, Harry C.
9507 Neuse Way
O 202-676-4000
Urology
(Kari)
Great Falls, VA 22066
H 703-759-2402

MOORE, Eugene L.
Dept. of Surgery
O 303-893-7045
Sarah
General and
Denver General Hospital
H 831-4102
Trauma Surgery
Denver, CO 80220

MOORE, John B.
2105 Kibling
O 303-234-1455
Debbie
General Surgery
Lakewood, CO 80215
H 232-4050

MORRIS, John A., Jr.
5-2304 Medical Ctr. N.
O 615-322-6580
Julia
General Surgery
Vanderbilt University
H 252-0463

MUCHA, Peter Jr.
Mayo Clinic
O 507-205-6960
Sonja
General Surgery
Rochester, MN 55905
H 808-0635

NELSON, Gerald D.
825 N. Hillside Street
O 316-608-7500
Doris
Plastic Surgery
Wichita, KS 67214
H 684-1524

NELSON, Glen D.
5000 W. 39th Street
O 612-927-3183
Marilyn
General Surgery
Minneapolis, MN 55416
H 473-0333

Monday Afternoon

MODERATOR:
Robert Neviaser

4:00
JOHN SIEGERT
Frank Frassica
Rudolph Klassen
Peter Amadio
The Late Management of Perilunate Dissociations: A Study of 15 Cases

4:20
Robert Neviaser
Arthrography of the Shoulder: Analysis of 750 Cases

4:40
DAVID ARNOLD
Ronald Linscheid
James Dobyns
Michael Wood
William Cooney
Surgical Management of Chronic Gamekeeper's Thumb

5:00
R. Christie Wray
Treatment of Non-Union and Mal-Union of the Phalanges

5:20
ANDREW LIGHT
John Neufeld
John Marx
Ernest E. Moore
Hemodynamic Response of Intravenous Crystalloid Resuscitation in Hemorrhagic Shock

6:00 - 7:30
Board of Directors Meeting
SCIENTIFIC PROGRAM

February 24, 1987

Tuesday Morning

6:30 - 7:00 a.m.
Breakfast

MODERATOR: Stephen Carveth

7:00
Randy Metcalf
BRADLEY BORLADE
Ernest E. Moore

Penetrating Wounds to the Posterior
Thorax - Analysis of Operative
Management

7:20
ROBERT WILSON
Robert Wienscek

Analysis of 400 Thoracotomies for
Penetrating Trauma

7:40
Erick R. Ratzer

Complications of Pneumothorax

8:00
THOMAS H. COGBILL
Joel Johnson
Marilu Binta
Pamela Strutt

Acute Gastric Dilatation After
Trauma

8:20
DAVID FELICIANO
Pamela Cruse

Delayed Diagnosis of Arterial Injuries

8:40 to 10:15
Discussion

DEMARREY, Gerald B. 2211 Lomas, N.E.
Albuquerque, NM 87131
O 505-843-2270 General Surgery
H 298-2514

EDMONDSON, Robert C. 1207 Fairchild Court
Woodland, CA 95695
O 916-666-1631 Internal Medicine
(Ann)
H 662-7856 Medical Oncology

EDNEY, James A. (Patricia)
42nd & Dewey
Omaha, NE 68105
O 402-559-4075 General Surgery
H 592-4335

ESRIG, Barry C.
500 N. Garfield Avenue
Monterey Park, CA 91754
O 818-572-0212 Thoracic Surgery
H 355-1883

FELICIANO, David (Barbara)
1 Baylor Plaza
Houston, TX 77030
O 713-791-7170 General Surgery
H 665-2407

FERRIS, Bruce G. (Joan)
825 N. Hillside
Wichita, KS 67214
O 316-608-7500 Plastic Surgery
H 733-1241

GEMMA, Frank E. (Lisole)
1001 Medical Drive
Killeen, TX 76541
O 817-526-6464 General Surgery
H 526-4867

GOOD, James T., Jr. 2658 S. Dexter
Denver, CO 80204
O 303-893-6211 Internal Medicine
H 756-6398 Pulmonary Medicine

GOLDSTEIN, Alan S.
450 Clarkson Avenue
Brooklyn, NY 11203
O 718-735-3416 General and
H 212-741-3196 Trauma Surgery

GRIFFIN, William T.
600 North Cotner Blvd.
Lincoln, NE 68505
O 402-467-3495 General Surgery
H 488-9517

HELLING, Thomas S.
4320 Hornall, Suite 308
Kansas City, MO 64111
O 816-753-7460 General Surgery
H 913-649-6164

JOHNSTON, James H., Jr.
1145 North 29th Street
Billings, MT 59101
O 406-252-7115 Neurosurgery
H 652-2401

JOSEPH, Jon W. (Irene)
6490 Excelsior Blvd.,
Minneapolis, MN 55427
O 612-920-0844 Anesthesia
H 920-4117

JUKROWICH, Gregory (Deanne)
2451 Pillingim Street
Mobile, AL 36617
O 205-471-7972 General Surgery
H 666-2870

JUERIS, E. Jeff, Jr. (Sally)
6025 Walnut Grove
Memphis, TN 38119
O 901-525-2533 Orthopedic Surgery
H 767-1697

KAPPEL, David A. (Charle)
1300 Chapline Street
Wheeling, WV 26003
O 304-233-0590 Plastic Surgery
H 277-3018

KLASSEN, Rudolph A. (Frieda)
200 First Street, SW
Rochester, MN 55901
O 507-284-3662 Orthopedic Surgery
H 288-4879
<table>
<thead>
<tr>
<th>MODERATOR</th>
<th>Time</th>
<th>Topic</th>
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<tbody>
<tr>
<td>ROBERT F. WILSON</td>
<td>4:00</td>
<td>Problems with Hemoptysis in Trauma Patients</td>
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<td>JIM BENJAMIN</td>
<td>4:20</td>
<td>A Biomechanical Analysis of Various Forms of Fixation for Transverse Patellar Fractures</td>
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<td>J. Bried</td>
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<td>M. Dohn</td>
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<td>N. McMurty</td>
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<td>C. Richard McKinley</td>
<td>4:40</td>
<td>The Renal Compressogram: Beneficial Minimal Iatrogenic Renal Trauma</td>
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<td>STEVEN ROTHENBERG</td>
<td>5:00</td>
<td>Selective Management of Blunt Abdominal Trauma in the Child</td>
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<td>Ernest Moore</td>
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<td>John Marx</td>
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<td>JOHN WALDRON</td>
<td>5:20</td>
<td>Ingested Foreign Bodies in Children</td>
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<td>6:00 - 7:30</td>
<td>Discussion</td>
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<tr>
<td>6:30</td>
<td>Robert Nevisser</td>
<td>Breakfast</td>
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<td>7:00</td>
<td>Roby Thompson</td>
<td>The Future of Medicine</td>
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<tr>
<td>7:20</td>
<td>ROBERT RUTHERFORD</td>
<td>Sympathectomy for &quot;Post-Traumatic&quot; Sympathetic Pain</td>
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<td>7:40</td>
<td>MICHAEL HAUTY</td>
<td>Towards a Hypothermia Severity Index: Experience from the Mount Hood Disaster</td>
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<tr>
<td>8:00</td>
<td>DAVID FELICIANO</td>
<td>Management of Combined Pancreato-duodenal Injuries</td>
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<tr>
<td>8:20</td>
<td>T. Scalea</td>
<td>Injuries Missed at Operation: Nomaasis of the Trauma Surgeon</td>
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<tr>
<td>8:40</td>
<td>Discussion</td>
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<tr>
<td>11:00</td>
<td>NASTAR Race</td>
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</table>
SCIENTIFIC PROGRAM

February 27, 1987
Friday Morning

6:30 - 7:00 a.m. Breakfast

MODERATOR: Thomas Phillips

7:00 HAROLD R. BASS The Sociological Impact of AIDS
7:20 JOHN POTTS Early Percutaneous Gastrostomy in John Morris Patients with Neurological Injury
7:40 FRANK L. SHANNON Venous Bullet Embolism: Rationale Brian McCrokey for Mandatory Extraction Ernest Moore Frederick Moore
8:00 FRANK BUCKNUM The Relationship of Massive Blood Earl Young Transfusion and Hypokalemia in the Surgical Patient
8:20 LAURENS PICKARD Use of Split Thickness Skin Grafts On Abdominal Viscera for Post Traumatic Complications

8:40 to 10:15 Discussion

Wednesday Afternoon

1:00 Luncheon

MODERATOR: Andrew Palmer

FEATURED SPEAKER (Friends and Families Invited)

4-5:30 DAVID E. STREET BAJA California's Legendary Whale Coast
5:30-7:30 Business Meeting
SCIENTIFIC PROGRAM

February 26, 1987

Thursday Morning

6:30 - 7:00 a.m.

Breakfast

MODERATOR: David Feliciano

7:00
Tom Phillips
Tom Scala
Sal Scalafani
Albert Duncan
Alan Goldstein

Peritoneal Lavage and Abdominal
CT Scan: The Best of Both
Worlds?

7:20
BRADLEY BORLASE
S.D. Moore
T. Jones
R. Jones
F.A. Moore
B.M. McCroskey

The Physiologic Abdominal Trauma
Index - An Update

7:40
R. PEDOMITZ
S.R. Shackford

Non-Cavitary Hemothago Producing
Shock in Trauma Patients: Incidence
and Severity

8:00
R. ZUBOWSKI
M. Mallathambi
R. Ivatury
W. Stahl

Knife Wounds of the Anterior
Abdomen: A Selective Approach

8:20
William T. Griffin

Bicycle Trauma in Lincoln, NE

8:40 to 10:15

Thursday Afternoon

MODERATOR: Rudolph Klassen

4:00
STEVEN ROSS

Computed Tomography in the Initial
Evaluation of the Cervical Spine

4:20
JOHN L. SEYMOUR

Management of Odontoid Fractures

4:40
ARLEN HANSEN
Miguel Cabanela
Rudolph Klassen

Fracture of the Dens in Adult
Patients

5:00
M.S. CABANELA

Anterior Plate Stabilization of
Cervical Fractures

5:20
Glen R. Rechtine
John McCrory

Reconstruction for Chronic Lateral
Instability of the Ankle

6:00 - 6:30

Discussion

7:00

Annual Banquet