

NATIONAL ATHLETIC
TRAINERS ASSOCIATION

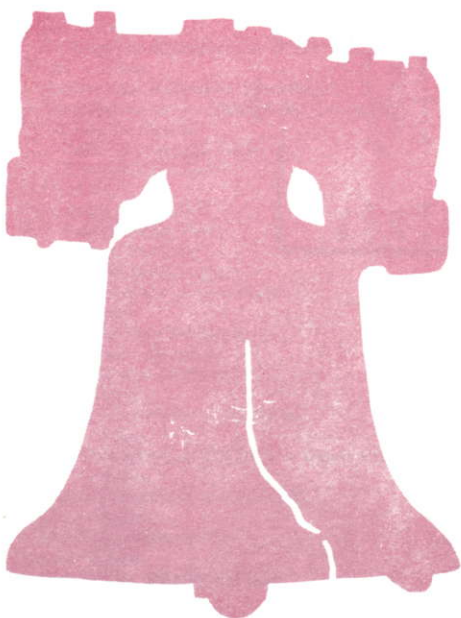
CLINICAL PROGRAM

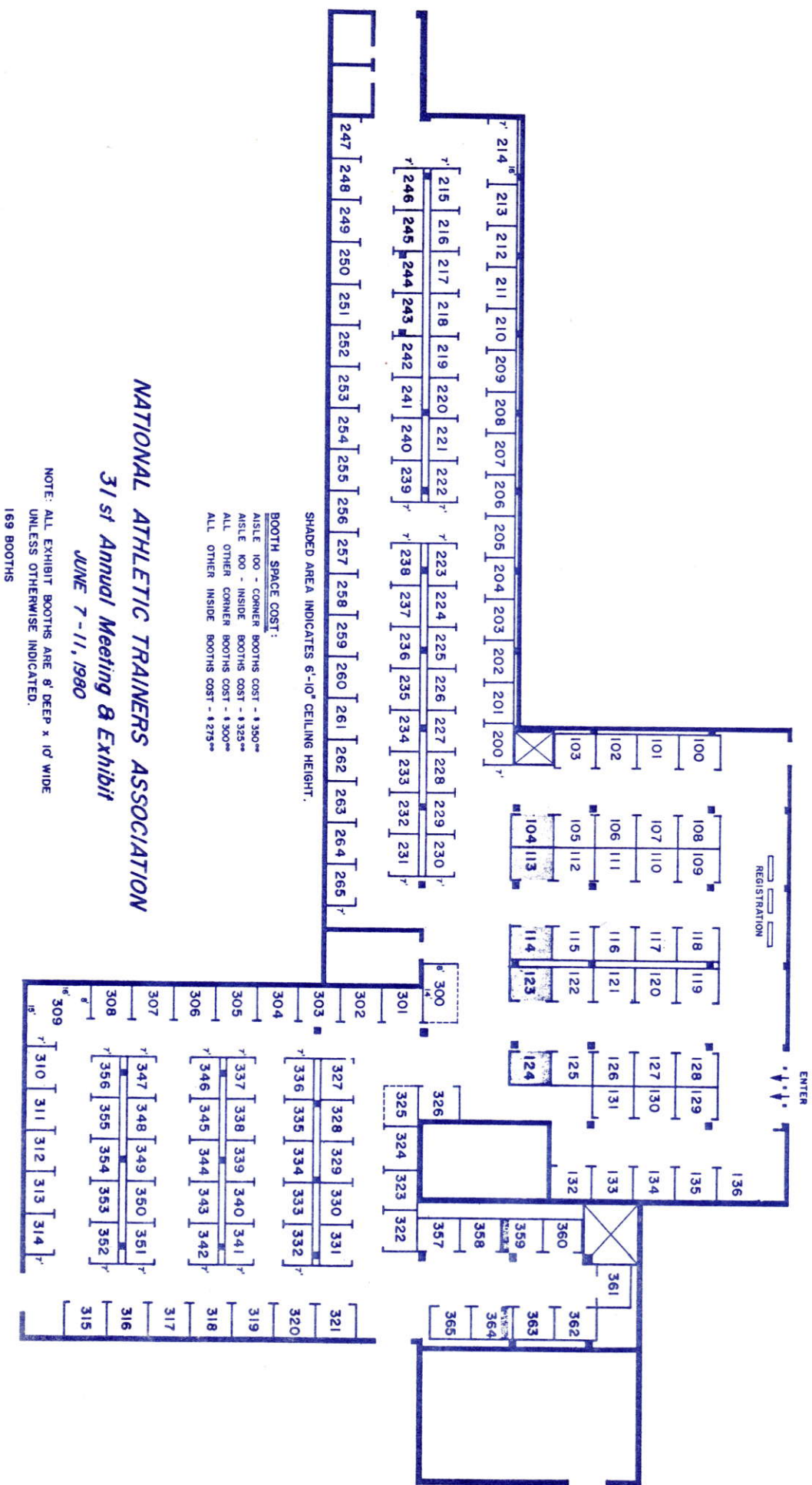
*"Meeting the Challenge
of the Eighties"*



31st ANNUAL

PHILADELPHIA-SHERATON
PHILADELPHIA, PA.
JUNE 8 - 11, 1980





NATIONAL ATHLETIC TRAINERS ASSOCIATION 31st Annual Meeting & Exhibit JUNE 7-11, 1980

NATA OFFICE — Sheraton Room
PRESS ROOM — Room 545

PRE-CONVENTION MEETINGS

Thursday, June 5, 1980

Professional Education Committee — '76 Room
8 a.m. — midnight
Board of Directors — Room 530
6 p.m. — ?

Friday, June 6, 1980

Board of Directors — Room 530
8 a.m. — ?
Professional Education Committee — '76 Room
8 a.m. — ?
Board of Certification — Room 546

Saturday, June 7, 1980

Registration — 3rd Floor Registration Desk
8 a.m. — 8 p.m.
Board of Directors — Room 530
8 a.m. — ?
Board of Certification — Room 546
8 a.m. — 12:30 p.m.
Program Directors Council — Constitution/Independence Room
8 a.m. — 5 p.m.
Joint Commission — Room 534
8 a.m. — ?
N.B.T.A. — Cafe Careme
10 a.m. — 5 p.m.
N.F.L. Trainers and Physicians Rooms 547-553
Noon — 6 p.m.
N.F.L. Dentists — Room 527
noon — 6 p.m.
Journal Committee — Pavilion Room
2 p.m. — 5 p.m.
District Meeting — Cafe Careme
6 p.m. — 8 p.m.
District Meeting — Delaware Valley Room
6 p.m. — 8 p.m.
District Meeting — Pavilion Room
6 p.m. — 8 p.m.

CONVENTION FUNCTIONS

Sunday, June 8, 1980

8 a.m. — ?
Board of Directors — Room 530
8 a.m. — 6 p.m.
Registration — 3rd Floor Registration Desk
8 a.m. — Noon
Joint Commission — Room 534
8 a.m. — Noon
N.F.L. Trainers and Physicians — Rooms 547-553
8 a.m. — Noon
N.F.L. Dentists — Room 527
8 a.m. — Noon
Certification Examination — Rooms 546, 548, 554
9 a.m. — Noon
Professional Education Workshops:
"An Update on the Field of Biomechanics"
"A Review Course"
Peter Cavanaugh, Ph.D. —
Pennsylvania East
"The Hip"
Bates Noble, M.D. —
Pennsylvania West
"Athletic Nutrition"
Angello Bentivegna —
Constitution/Independence
Noon — 5 p.m.
The Shearings Symposium
"The Foot and Ankle" —
The Grand Ballroom
Noon — 5 p.m.
N.F.L. Physicians — '76 Room
1 p.m. — 5 p.m.
Sub-Committee on C.E.U.S. — Room 546
1 p.m. — 5 p.m.
Ethics Committee — Room 527
2 p.m. — 6 p.m.
N.B.T.A. — Room 547
5 p.m. — 6 p.m.
N.A.S.P.E. — Rooms 548-554

REGISTRATION HOURS:

Sat., June 7 - 8 a.m. - 8 p.m.
Sun., June 8 - 8 a.m. - 6 p.m.
Mon., June 9 - 8 a.m. - 6 p.m.
Tues., June 10 - 8 a.m. - 4 p.m.

5 p.m. - 7 p.m.
Exhibits Open - Exhibit Hall
6 p.m.
Student Trainer Banquet — Pennsylvania West
6 p.m. — 7 p.m.
American Corrective Therapy
Association — Room 534
6 p.m. — 7 p.m.
E.A.T.A. Committee Chairmen — Room 546
8:30 p.m.
Philadelphia Block Party — Grand Ballroom

Monday, June 9, 1980

To be Announced
Board of Directors — Room 530
8 a.m. — 6 p.m.
Registration — 3rd Floor Registration Desk
8 a.m. — 5 p.m.
Exhibits Open — Exhibit Hall
8 a.m. — 10 p.m.
Placement Committee — Room 534
8:45 a.m. — 11 a.m.
Clinical Session — Grand Ballroom
11 a.m. — 1 p.m.
N.A.T.A. Business Meeting — Grand Ballroom
11 a.m. — 1 p.m.
Student Clinical Program — (Open to All Registrants) — Pennsylvania Room
1 p.m. — 3 p.m.
Big Ten Trainers — Rooms 556-558
2 p.m. — 4:30 p.m.
Clinical Sessions — Grand Ballroom Pennsylvania Room
2 p.m. — 4 p.m.
State Licensure Committee — Delaware Valley Suite
4:30 p.m. — 6 p.m.
District Meetings:
District 1 — Hall of Flags, East
District 2 — Pennsylvania, West
District 3 — Constitution/Independence
District 4 — Pennsylvania, East
District 5 — Hall of Flags, West
District 6 — Delaware Valley Suite
District 7 — Pavilion Room
District 8 — Rooms 546-548-554
District 9 — Cafe Careme
District 10 — '76 Room
6:30 p.m.
N.F.L. Reception — Grand Ballroom
By Invitation Only

Tuesday, June 10, 1980

To be announced
Board of Directors — Room 530
7:30 a.m.
Fellowship of Christian Athletes
Breakfast — Constitution/Independence
sponsored by Max Pro)
8:00 a.m. — 9:00 a.m.
District Secretaries Breakfast — Room 534
8 a.m. — 5 p.m.
Exhibits Open — Exhibit Hall
8 a.m. — 4 p.m.
Registration — 3rd Floor Registration Desk
9 a.m. — Noon
Clinical Sessions — Grand Ballroom Pennsylvania Room
1:30 p.m. — 5 p.m.
Clinical Sessions — Grand Ballroom
1:30 p.m. — 5 p.m.
Clinical Sessions — Pennsylvania Room (Designed for Students, but open
to all registrants)
6:15 p.m. — 7:30 p.m.
Pre-Banquet Reception — Pennsylvania Room
Sponsored by Johnson and Johnson
7:30 p.m.
Annual Awards Banquet — Grand Ballroom

Wednesday, June 11, 1980

8 a.m. — Noon
Board of Directors — Room 530
9 a.m. — Noon
Clinical Sessions — Grand Ballroom

CLINICAL PROGRAM

SUNDAY		
9:00 a.m. — noon	An Update on the Field of Biomechanics: A Review Course — Pennsylvania East	
9:00 a.m. — noon	The Hip — Pennsylvania West	
9:00 a.m. — noon	Athletic Nutrition — Constitution/Independence	
MONDAY	GRAND BALLROOM	PENNSYLVANIA ROOM
8:45 a.m. — 9:00 a.m. 9:00 a.m. — 9:30 a.m. 9:30 a.m. — 10:30 a.m. 10:30 a.m. — 11 a.m.	Welcome Keynote Address: "The Loss of Innocence" Biomechanical Considerations in Running Posterior Gleno Humeral Subluxations	
11 A.M. — 1 p.m.	NATA Business Meeting	Student Program: "Evaluation of Injury to the Foot, Ankle, Hip and Knee"
2:00 p.m. — 2:30 p.m.	The Versatile Airstirrup and its Use in Ankle Injuries The Evaluation of Injuries to the Eye Visit Exhibits Handling Prescription Drugs: A Panel Discussion District Meetings	Free Communication Session 2 - 4 p.m.
2:30 p.m. — 3:00 p.m. 3:00 p.m. — 3:30 p.m. 3:30 p.m. — 4:30 p.m.		NAIRS Update 4 — 4:30 p.m. District Meetings
4:30 p.m. — 6:00 p.m.		
TUESDAY		
9:00 a.m. — 10:15 a.m.	The Physiology of Tissue Injury and Repair	Emergency Medicine: Do We Fit?
10:15 a.m. — 10:45 a.m.	Visit Exhibits	Visit Exhibits
10:45 a.m. — Noon	The Implication of Tissue Injury and Repair on the Rehabilitative Process	Educating Athletic Trainers in the Eighties
1:30 p.m. — 5:00 p.m.	Head and Neck Symposium 1:30 — 1:35 Introduction 1:35 — 2:05 Anatomy of the Central Nervous System and Cervical Spine 2:05 — 2:35 Epidemiology 2:35 — 3:05 Pathomechanics of Head and Neck Injuries 3:05 — 3:20 Break 3:20 — 3:50 Central Nervous System Lesions 3:50 — 4:20 Cervical Spine Injuries 4:20 — 4:50 Field Management of Head and Neck Injuries 4:50 — 5:00 Discussion	Student Program: "evaluation of the Upper Extremity and Low Back" 1:30 p.m. — 3:30 p.m.
WEDNESDAY		
10:00 a.m. — 10:45 a.m. 10:45 a.m. — 11:30 a.m. 11:30 a.m. — Noon	9:00 a.m. — 10:00 a.m. Acupuncture, Neuroprobe, and T.E.N.S. in Athletic Training Understanding Strength Training: A Key to Athletic Success Dallas — Ft. Worth in 81	DMSO in Athletic Training

CLINICAL PROGRAM

MONDAY, JUNE 9, 1980

8:00 a.m. - 8:45 a.m.

Visit Exhibits

8:45 a.m. - 9:00 a.m.

Welcome

Bill Chambers, Presidents, N.A.T.A.

Invocation

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

Keynote Address: *Grand Ballroom*

"The Loss of Innocence"

James E. Nixon, M.D., Chief of Orthopaedics,
Graduate Hospital; Clinical Professor of Orthopaedic
Surgery, University of Pennsylvania School of Medicine;
Orthopaedic Staff, Children's Hospital of Philadelphia

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

Biomechanical Considerations in Running *Grand Ballroom*

Peter R. Cavanaugh, Ph.D.

Associate Professor of Biomechanics

Pennsylvania State University

10:30 a.m. - 11:00 a.m.

Posterior Gleno Humeral Subluxations *Grand Ballroom*

Joseph P. Zawadsky, M.D.

Chief and Associate Professor of Orthopaedics

St. Peter's Medical Center, New Brunswick, N.J.

11:00 a.m. - 1:00 p.m.

N.A.T.A. Business Meeting *Grand Ballroom*

11:00 a.m. - 1:00 p.m.

Student Program *Pennsylvania Room*

"Evaluation of Injury to the Foot, Ankle, Knee and Hip"

Raymond Moyer, M.D., Temple University, Sports
Medicine Center

David Berman, D.P.M., Temple University, Sports

Medicine Center

1:00 p.m. - 2:00 p.m.

Lunch

2:00 p.m. - 4:30 p.m.

Concurrent Clinical Sessions

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

Free Communications Session *Pennsylvania Room*

Moderator: John Powell, Ph.D.

Pennsylvania State University

Chairman, Research and Injury Committee

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

The Versatile Airstirrup and Its Use in Ankle Injuries *Grand Ballroom*

Cornelius N. Stover, M.D., Director of Orthopaedics,
Hunterdon Medical Center; Assistant Clinical Professor
of Surgery, Rutgers Medical School

2:30 p.m. - 3:00 p.m.

The Evaluation of Injuries to the Eye *Grand Ballroom*

Irving M. Raber, M.D., Assistant Professor of Ophtho-
mology, Scheie Eye Institute, University of Pennsylvania

3:00 p.m. - 3:30 p.m.

Visit Exhibits

3:30 p.m. - 4:30 p.m.

Handling Prescription Drugs: A Panel Discussion *Grand Ballroom*

Moderator: Laurence Graham, N.A.T.A. Legal Counsel

Participants: Chris Patrick, A.T.C. University of Florida

Tim Kerin, A.T.C., University of Tennessee

Richard Lebovitz, Senior Attorney,

Drug Enforcement Administration

4:00 p.m. - 4:30 p.m.

NAIRS Update *Pennsylvania Room*

William E. Buckley, A.T.C.

Pennsylvania State University

4:30 p.m. - 6:00 p.m.

District Meetings

District 1 Hall of Flags, East

District 2 Pennsylvania West

District 3 Constitution/Independence

District 4 Pennsylvania East

District 5 Hall of Flags, West

District 6 Delaware Valley Suite

District 7 Pavilion Room

District 8 Rooms 546 - 548 - 554

District 9 Cafe Careme

District 10 '76 Room

TUESDAY, JUNE 10, 1980

8:00 a.m. - 9:00 a.m.

Visit Exhibits

9:00 a.m. - noon

Concurrent Clinical Sessions

9:00 a.m. - 10:15 a.m.

The Physiology of Tissue Injury and Repair *Grand Ballroom*

Sandy Burkhardt, L.P.T., Ph.D.

Chairman, Division of Physical Therapy

University of West Virginia

9:00 a.m. - 10:15 a.m.

Emergency Medicine: Do We Fit? *Pennsylvania Room*

Pepper Burruss, A.T.C., L.P.T.

New York Jets Football Club

10:15 a.m. - 10:45 a.m.

Visit Exhibits

10:45 a.m. - noon

The Implications of Tissue Injury and Repair in the

Rehabilitative Process *Grand Ballroom*

John C. Spiker, A.T.C., L.P.T.

Coordinator of Athletic Training

West Virginia University

10:45 a.m. - noon

Educating Athletic Trainers in the Eighties:

A Panel Discussion *Pennsylvania Room*

Moderator:

Al Proctor, State Department of Sports Medicines,
North Carolina

Kenneth Clarke, Ph.D., Dean, College of Applied Life
Studies, University of Illinois at Urbana-Champaign

Gary Delforge, Ph.D., A.T.C., University of Arizona

Paul Zeek, A.T.C., Lamar University

Richard Malacrea, A.T.C., L.P.T., Princeton University,
District Director, District 2

Noon - 1:30 p.m.

Lunch

1:30 p.m. - 5:00 p.m.

A Symposium on Head and Neck Injuries *Grand Ballroom*

Moderator:

Joseph S. Torg, M.D., Professor of Orthopaedic Surgery,
Director of Sports Medicine Center, University of Pennsylvania

1:30 p.m. - 1:35 p.m.

Introduction and Perspective

Dr. Torg

1:35 p.m. - 2:05 p.m.

Anatomy of the Central Nervous System and Cervical Spine
C. Schneck, M.D., Professor of Anatomy, Temple
University

2:05 - 2:35 p.m.

Epidemiology

Kenneth S. Clarke, Ph.D., Dean, School of Applied Life
Studies, University of Illinois at Urbana-Champaign

2:35 p.m. - 3:05 p.m.

Pathomechanics of Head and Neck Injuries

Albert H. Burstein, Ph.D., Professor of Applied Biomechanics
Director, Department of Biomechanics at Hospital for Special Surgery,
Cornell Medical College, Ithaca, N.Y.

3:05 p.m. - 3:20 p.m.

Break

3:20 p.m. - 3:50 p.m.

Central Nervous System Lesions

Leonard A. Bruno, M.D., Assistant Professor of Neurosurgery,
University of Pennsylvania School of Medicine

3:50 p.m. - 4:20 p.m.

Cervical Spine Injuries

Dr. Torg

4:20 p.m. - 4:50 p.m.

Field Management of Athletic Head and Neck Injuries

Joseph J. Vegso, M.S., A.T.C., Head Athletic Trainer

University of Pennsylvania Sports Medicine Center

4:50 p.m. - 5:00 p.m.

Discussion

Dr. Torg

1:30 p.m. - 5:00 p.m.

Student Program:

"Evaluation of the

Upper Extremity and Low Back" *Pennsylvania Room*

Jack Bocher, M.D., Orthopaedic Consultant,

West Chester State College

John H. Benner, M.D., Orthopaedic Consultant,

West Chester State College

WEDNESDAY, JUNE 11, 1980

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

DMSO in Athletic Training *Grand Ballroom*

10:00 a.m. - 10:45 a.m.

Acupuncture, Neuroprobe, and

T.E.N.S. in Athletic Training *Grand Ballroom*

Dwight E. Aultman III, A.T.C., L.P.T. Head Trainer and

Assistant Professor University of New Hampshire

10:45 a.m. - 11:30 a.m.

Understanding Strength Training:

A Key to Athletic Success *Grand Ballroom*

Patti Whiteside, A.T.C.

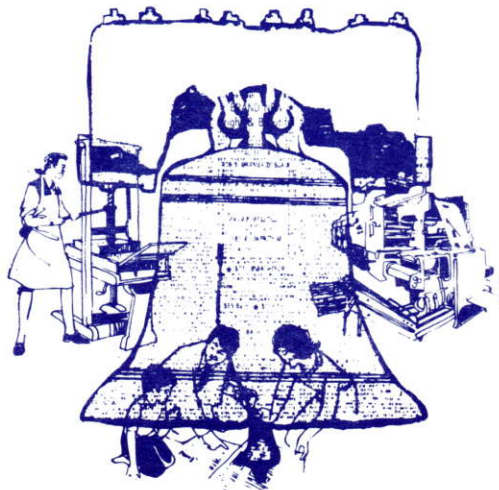
Head Women's Athletic Trainer

Pennsylvania State University

11:30 a.m. - noon

Dallas - Ft. Worth in 81 *Grand Ballroom*

Cash Birdwell, Host Trainer, District 6



NATIONAL ATHLETIC TRAINERS ASSOCIATION

Alphabetical Listing

Booth No.	Exhibitor Name	Booth No.	Exhibitor Name
248	Abbey Medical	211-212	Micro Bio-Medics
224-225	Adidas	264-265	Mini-Gym Inc.
340	Alert Services Inc.	341	Mission Pharmacal
350	All Seasons Sports Co.	316	Moretz Sports
247	Allen Foods Inc.	100-102	Mueller Chemical
219	Aloe Vera of America	109-118	Nautilus Sports
322-323	AMF Amer Athletic	333	New Method Bandage
234	Andover Coated Products	334	Nike Athletic Shoes
218	Apex Food Products Corp.	306	Onondaga Optical
335	Athletics N.C. ERG	238	Orangemati
255	B & G Equipment Co.	208	Orthopedic Equipment Co.
325	Bailey Inc.	232	Orthopedic Support Wraps
202	Bill Kelley Athletic	302	Parke David & Co.
312	Camelia Manufacturing Company, Ltd.	328	Parker Labs Inc.
213-214	Chattanooga Pharmacal	231	Pharmaceutical Innovations
347	Coca Cola	261	Pony Sports & Leisure
105	Conco Medical Co.	320-321	PRO Orthopedic Devices
241	Converse	318	Professional Disposables
119-121	Cramer Products Inc.	125	Protek-Toe Products
257-258	Cybex Div. of Lumex	303	Publishers for Conventions
352	Da Vinci Laboratories	315	Rawlings Sporting Goods
336	Divajex	314	Rich-Mar Corp.
235	Dr. Roberts Rear Foot Control	107-108	Riddell Inc.
236	Drackett Co. - Nutrament	245	Riker Laboratories
263	Dynawave	215-216	Russell Athletic
226	Econoline Produces	326	Schell Inc.
301	Electro-Med Health Industries	319	Schering Laboratories
106	Exer-Genie Inc.	346	School Health Supply Co.
356	Foot Management Inc.	327	Schutt Manufacturing
210	Fred Sammons Inc.	133-136	Southern Athletic/Bike
243-244	G.E. Miller Inc.	240	Spenco Medical Corp.
337	General Athletic Products, Inc.	251	Sport-Pedics
348	General Physiotherapy	339	SportsCare International
124	Gerry Cosby & Co.	300	Sports Nutrition
330	Good Sports Co.	353	Sports Support Inc.
227	Grid Sports	262	Squinch/Universal
256	Hanson Industries	307	Staadynamics
209	Hausmann Industries	132	Stokely Van Camp Inc.
349	Hill Laboratories Co.	205	Tetra Co.
308-310	Hydra-Gym Athletics	259-260	Thera Corporation
354	Ideal Tape Corp.	206	Time Out Div. Scott
311	Intl. Medical Electronics	332	Total Gym Inc.
313	Inverchair by Sieber	217	Transmed Corporation
246	J.A. Preston Corp.	201	Tri W-G Inc.
342-343	Jobst Institute	239	Tru-Eze Mfg. Co.
228-230	Johnson & Johnson	249	Tru-Fit.
221-222	Kay Labs (Kwik Kare)	126-131	Universal Gym Equipment
324	Kees-Goebel Medical	355	Pressurized Con Inc.
204	Lagnaf Inc.	252	WFR Corporation
317	Lea and Febiger	200	Whitehall Electro Medical
304-305	Lenox Hill Brace Shop	250	Willis Medical Co.
220	Lifeline Products	103	Wilson Sporting Goods
203	Maramed Precision	345	Windsor Associates
122-123	Maxpro Corp.	233	Wolverine Benefit Assn.
329	McDavid's Arco	237	Wolverine World Wide
254	Medalist Gladiator	242	Romaine Inc.
253	Medalist Sand-Knit	338	Mid-America Farms
223	Medco Products Co.	344	United Division of How Medica
351	Medical Plastics Labs	357	Personality Parade
207	Medical Research Labs	319	Ex Caliber Inc.
331	Mettler Electronics Corp.	365	Orthopedic Technology

THE NATIONAL ATHLETIC TRAINERS ASSOCIATION

NATIONAL CONVENTION COMMITTEE

NATIONAL CONVENTION COMMITTEE CHAIRMAN
Fred Hoover, *Clemson University*

HOST TRAINER
Richard F. Malacrea, *Princeton University*

PROGRAM CHAIRMAN, CLINICAL SESSIONS
Joseph J. Godek, *West Chester State College*

PROGRAM CHAIRMAN, ENTERTAINMENT
Theodore C. Quedenfeld, *Temple University
Sports Medicine Center*

PUBLICITY
Steve Bair, *Temple University*

BANQUET CHAIRMAN
John Worgan, *LaSalle College*
Frank Sheridan, *Lafayette College*

STUDENT PROGRAM CHAIRMAN
Phillip B. Donley, *West Chester
State College*

REGISTRATION
Joseph J. Vegso, *University of
Pennsylvania, Sports Medicine Center*

PRESIDENT'S RECEPTION
Hal Biggs, *Bucknell University*

BOARD OF DIRECTORS

PRESIDENT
William H. Chambers, *Fullerton Jr. College*

DISTRICT 1
Wesley D. Jordan, *University of Maine*

DISTRICT 2
Richard F. Malacrea, *Princeton University*

DISTRICT 3
Andy Clawson, *The Citadel*

DISTRICT 4
Gordon Stoddard, *Univ. of Wisconsin*

DISTRICT 5
Frank Randall, *Iowa State University*

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Don Chu, *California St. U. at Hayward*

DISTRICT 9
Bobby Barton, *Eastern Kentucky Univ.*

DISTRICT 10
Gary Craner, *Boise State University*

STUDENT TRAINER CLINICIANS

Dan Unger
Pam Chlad
Doug Weiss
Joe Iezzi

Bruce Norris
Stacey Elam
Denise Webster
Doug Fry

Don Frey
Ron Pearson
Nancy Whiteside
George Bowen

Gerald Scibilia
Jan Fellman
Joe Donolli

FREE COMMUNICATION PRESENTERS

- | | |
|-------------|--|
| 2:00 — 2:15 | Trigger Point Therapy for Myofascial Pain
Alan Peppard, <i>SUNY at Brockport</i> |
| 2:15 — 2:30 | A Functional Approach in Prevention and Rehabilitation of Ankle Injuries
Russell Fiore, <i>Brown University</i> |
| 2:30 — 2:45 | Assessment of Athletic Injuries by Liquid, Crystal Thermography
Kevin Benton, <i>Texas Womens University</i> |
| 2:45 — 3:00 | PNF: An Adjunct to Traditional Weight Training Programs
Susan Conley, <i>Pennsylvania State Univ.</i> |
| 3:00 — 3:15 | Re-warming of the Ankle, Forearm and Fingers After Cryotherapy: Further Investigation
of Lewis' Cold Induced Vasodilation
Ken Knight, <i>Indiana State Univ.</i> |
| 3:15 — 3:30 | Modification for Enhanced Data Collection and Reduction with Cybex 2 Isokinetic Dynamometer
Joe Vegso, <i>Sports Medicine Center University of PA.</i> |
| 3:30 — 3:45 | Stressfulness: High Velocity Isokinetic Exercise
Laurence Steve, <i>Albert Einstein College of Medicine</i> |
| 3:45 — 4:00 | Pain Tolerance Injury Rate and Playing Time in College Football Players
Glen Bradwin, <i>Eastern Washington Univ.</i> |