

ORTHOPAEDIC

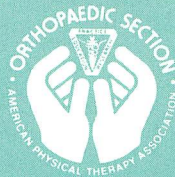
Physical Therapy

PRACTICE

Vol.1 No.1 1989



AN OFFICIAL PUBLICATION OF THE
ORTHOPAEDIC SECTION



AMERICAN PHYSICAL THERAPY ASSOCIATION

SECTION INFORMATION

Orthopaedic Section APTA, Inc. Administrative Director

David W. Thomack
505 King Street, Suite 103
La Crosse, WI 54601
(608) 784-0910 (Office)
(608) 784-3350 (FAX)

OFFICERS/EXECUTIVE COMMITTEE

President:

Jan K. Richardson, P.T., Ph.D.
Slippery Rock University
Behavioral Science Bldg., Room 204
Slippery Rock, PA 16057-9989
(412) 794-7257 (Office)
(412) 794-1051 (FAX)

Vice-President:

Duane Williams, P.T., M.A.
708 West Locust
Johnson City, TN 37601
(615) 926-0914 (Home)
(615) 282-4874 (Office)

Treasurer:

Robert E. Burles, P.T.
Northwest Physical Therapy Clinic, P.C.
2565 N.W. Lovejoy
Portland, OR 97210
(503) 224-5671 (Office)
(503) 299-6768 (FAX)

Member-at-Large

William Fromherz, P.T., M.S.
3205 Kent Street
Kensington, MD 20895
(301) 443-3930 (Office)
(301) 949-6530 (Home)
(301) 443-1726 (FAX)

EDUCATION PROGRAM COMMITTEE

Chair:

Z. Annette Iglarsh, P.T., Ph.D.
Burch, Rhodes, & Loomis
Suite 203
6305 York Road
Baltimore, MD 21212
(301) 435-7565 (Office)
(301) 435-2765 (FAX)

Members:

Cynthia Driskell
Carolyn Wadsworth
Patricia M. King
Tracy G. Kirschner

Editor of Section Publications:

James A. Gould, P.T., M.S.
505 King Street, Suite 103
La Crosse, WI 54601
(608) 784-0910 (Office)
(608) 784-3350 (FAX)

NOMINATING COMMITTEE

Chairman:

David Apts, P.T.
P.O. Box 1193
Ashland, KY 41105
(800) 637-9708

Members:

Anne Campbell (1989-90)
Steven J. Rose (1990-1991)

STANDING COMMITTEES:

FINANCE COMMITTEE

Chair:

Robert E. Burles, P.T.
Northwest Physical Therapy Clinic, P.C.
2565 NW Lovejoy
Portland, OR 97210
(503) 224-5671 (Office)
(503) 229-6768 (FAX)

Members:

John Wadsworth
Jeff Taeger
Dan Riddle

PUBLICATION COMMITTEE

Chairman:

James A. Gould, P.T., M.S.
(See Editor of Section Publications)

Members:

William S. Quillen
Christine E. Saudek
David Farmer
Daniel Sims

Bulletin Editor

Christine Saudek, P.T., M.S.
505 King Street, Suite 103
La Crosse, WI 54601
(608) 784-0910 (Office)
(608) 784-3350 (FAX)

SPECIAL COMMITTEES:

PRACTICE AFFAIRS COMMITTEE

Chair:

Garvice Nicholson, P.T.
Department of Physical Therapy
Jefferson Tower
University of Alabama Hospital
619 South 19th Street
Birmingham, AL 35233
(205) 934-0425 (Office)

Members:

Anne H. Campbell
Chauncey Farrell
Lt. Col. James L. Keller

PUBLIC RELATIONS COMMITTEE

Chair:

Jonathan Cooperman, P.T., M.S.
Health Services
Kent State University
Kent, OH 44242-0001
(216) 672-2098 (Office)
(216) 296-3148 (Home)
(216) 672-7904 (FAX)

Members:

Anne Campbell
Jim Arnoux

RESEARCH COMMITTEE

CHAIR:

A. Joseph Threlkeld, P.T., Ph.D.
University of Kentucky College of Allied
Health
University of Kentucky Medical Center
800 Rose Street
Room H.P. 502
Lexington, KY 40536
(606) 233-5415 (Office)

Members:

Susan Stralka
Arthur Nitz
Thomas G. Jerome
Mark R. Wiegand
Robin E. Connolly
Robert H. Deusinger
Chukuka Enwemeka
J. Randy Walker
Dan Riddle

SECTION DELEGATE

Jan K. Richardson, P.T., Ph.D.
(See Section President)

GROUPS EXTERNAL TO ORTHOPAEDIC SECTION:

ORTHOPAEDIC SPECIALTY COUNCIL

Chair:

Joseph McCulloch, P.T., Ph.D.
Department of Physical Therapy
LSU Medical Center
School of Allied Health
P.O. Box 33932
Shreveport, LA 71130-3932
(318) 674-6820 (Work)

Members:

Richard Ritter
Susan Stralka

COMPONENT RELATIONS, APTA

Sharon A. Meehan, Director

Component Relations
American Physical Therapy Association
1111 N. Fairfax Street
Alexandria, VA 22314
(703) 684-2782

Past Orthopaedic Section Presidents:

Stanley V. Paris, P.T., Ph.D.	1975-77
Sandy Burkart, P.T., Ph.D.	1977-79
Dan Jones	1979-81
H. Duane Saunders, P.T., M.S.	1981-83
Carolyn Wadsworth, P.T., M.S.	1983-85
Robert H. Deusinger, P.T., Ph.D.	1985-87

ABOUT THE COVER

We begin a series of covers highlighting the artistic value of the simple tools used in physical therapy. The cover is a different look at the common Gait Belt viewed from a different perspective.

**FUTURE DATES FOR
ANNUAL CONFERENCE AND COMBINED
SECTIONS MEETING**

1989

CSM

February 2 - 5 (Thurs. - Sun.)
Hilton Hawaiian Village
Honolulu, HI

ANNUAL CONFERENCE

June 11 - 15 (Sun. - Thurs.)
Opryland Hotel
Nashville, TN

1990

CSM

February 1 - 4
New Orleans Hilton Riverside
New Orleans, LA

ANNUAL CONFERENCE

June 24 - 28
Anaheim Convention Center
Anaheim, CA

1991

CSM

To be determined

ANNUAL CONFERENCE

June 23 - 27
Hynes Convention Center
Boston, MA

TABLE OF CONTENTS

Editor's Note.....	4
From the Section Office.....	5
President's Message.....	6
1989 Orthopaedic Section Master Calendar.....	7
Year End Summary Reports.....	8
Minimal Criteria.....	10
1989 Combined Sections Meeting.....	12
Abstracts.....	13
Program Committee Update.....	14
Office Thermography.....	15
Classified Ads & Short Term Courses.....	17
Orthopaedic Study Groups.....	22
Post Entry Level Programs.....	24

Join

A SECTION!

Have you thought of using the tape and slide show developed by The Public Relations Committee of The Orthopaedic Section for

Increasing Patient Awareness!

Have a Caramate or video operating in your waiting room (and Orthopaedic Physical Therapy brochures to compliment it).

EDITOR'S NOTE

Christine E. Saudek, Editor, *Orthopaedic Physical Therapy Practice*

I am pleased to begin a new era in the publication of the *Orthopaedic Section Bulletin*. As you may have read in the previous Bulletin, starting with this issue, our style is changing. Our publication's new name is *Orthopaedic Physical Therapy Practice*. In the past the *Bulletin* has had the primary purpose of keeping our membership up-to-date on Section operations and issues. We will continue to do that but in addition we would now like to attempt to keep you up-to-date on practice issues and actual suggestions for your practice. The Practice Affairs Committee will be publishing a special forum related to Orthopaedic Physical Therapy issues in our new publication (see the year end report of the Practice Affairs Committee). It is also our hope that therapists who are finding certain orthopaedic techniques particularly useful to them will begin sharing these ideas with our readers in the form of articles on suggestions from the clinic. These articles could also take the form of how to set up a practice or of describing a unique practice situation. We

welcome anything that you have found particularly useful to your practice and to your patients. The following instructions should be followed when submitting articles:

Instructions to Authors

- 1) *ORTHOPAEDIC PHYSICAL THERAPY PRACTICE (OPTP)* will publish articles pertaining to clinical practice and personal experience with different treatment techniques in the clinical setting. Extensive reviews of literature or the results of research should not be submitted to OPTP but rather to *The Journal of Orthopaedic and Sports Physical Therapy (JOSPT)*. Case studies when presented as the author's experience with a treatment technique are acceptable.
- 2) Manuscripts should be reports of personal experiences and written as such. Though suggested reading lists are welcome, references should otherwise be kept to a minimum.
- 3) Two copies of the manuscript should

be submitted. They should be double spaced, with one-inch margins on each side. The title page should include the author's name, degrees, title, place of work, corresponding address and phone number. Manuscripts may also be submitted on diskette (ASCII format). The manuscript should be sent to *Orthopaedic Physical Therapy Practice*, Suite 103, 505 King Street, La Crosse, Wisconsin, 54601.

- 4) Black and white photographs to accompany the text should be glossy 5x7. A photo release form must accompany any photographs where patients are seen. Any tables that might add to the usefulness of the article are also welcome.

It is my hope that many of you will have ideas to share and that each and every member of our section will benefit by the changes in this publication. The success of this depends on you, the members. So please contribute your information and support.

CONTRIBUTE TO THE

Minority Affairs Scholarship Fund

Send your tax
deductible
contribution to:

Foundation for Physical Therapy
1111 N. Fairfax
Alexandria, VA 22314

FROM THE SECTION OFFICE

David Thomack, Administrative Director, Orthopaedic Section APTA, Inc.

The Section administrative offices have expanded to accommodate the ever increasing number of tasks presented to us. As you may or may not be aware, you are a member of the largest section of the American Physical Therapy Association, with a committed Executive Committee (elected by you) and Committee Chairs who are extremely well-educated, talented, dedicated and work very hard for you and the profession. As 1988 comes to a close we may reflect upon the many accomplishments during the past year.

The process of specialization has been long, time consuming and expensive. During this past year the item writer workshops, which generated the preliminary examination questions, were completed. Many of you participated in these regionally placed workshops. There were various committees within the Specialty Council who assisted with the monumental tasks set before this Council. By the end of June, we had an entirely new Council, which built upon the groundwork laid by the previous Council, and which is dedicated to the ultimate goal of having our first specialization examination ready by June, 1989. We owe all of these individuals our gratitude and thanks. Also, you as members should thank yourselves, because without your membership and support in the Orthopaedic Section, meeting this goal would have been impossible. Remember that the Section is providing "overview of orthopaedics" courses for your benefit in preparation for this examination. Please see the advertisement in this issue.

The Combined Sections Meeting was held in Washington, D.C. last February. The Section took this opportunity to honor one of its own. The first "Black Tie and Roses" reception honored Dr. Steven J. Rose with the Orthopaedic Section's establishment of the Steven J. Rose Research Endowment with the Foundation for Physical Therapy. This will be an annual Section event to be held during the Combined Sections Meeting. The APTA Annual Conference, held in Las Vegas, Nevada, provided a

wonderful opportunity to meet with the Canadian friends who joined us for this joint conference. The 1994 Annual Conference is scheduled to be held in Toronto.

The annual Fall Executive Committee meeting was held in La Crosse at the Section office in mid-November. It was attended by the Executive Committee members, the Committee Chairs, and the entire Nominating and Finance Committees. This group is becoming a very cohesive working team. Our special guest was Sharon A. "Sam" Meehan, Director of Component Relations at APTA. The Finance Committee, with the Section's bookkeeper, met in advance of the formal Executive Committee meeting to determine the status of our 1988 budget and to project the 1989 budget. On the first day, President Jan Richardson lead the Executive Committee through the set agenda items. On the second day, Vice-President Duane Williams, together with Sam Meehan, conducted a brief officer's training session in the morning. For the remainder of the day, breakout groups finalized the 1989 Strategic Plan for the Section. The long weekend was extremely productive.

Quality membership has always been of utmost importance to me. Consequently, this has been another year of major growth for the Orthopaedic Section. We began the year with 9,410 members; according to the latest membership roster from APTA we have 10,083 (October 1988). We have realized this significant growth despite problems continually encountered concerning the accuracy of the information we receive from APTA membership services. It is extremely important in your membership renewal process that you verify "Orthopaedic Section" on the APTA renewal form. APTA will no longer transfer your membership from one section to another. Also, because of the transiency of physical therapists as a whole, address changes are not always forwarded to APTA. Please help us by making sure that these changes are sent in.

Along with this growth comes the responsibility of maintaining the Section

office and the services it provides. We have hired three additional staff this year: Terri Pericak, Administrative Assistant; Theresa Cieminski, secretary for the *Journal of Orthopaedic and Sports Physical Therapy*; and Patty Sherry, membership services. These three are very capable and eager to assist you with any questions you may have. As of January 1st, the Section will provide a toll-free number for your convenience. That number is 1/800/356-2255, at the tone touch in 1133.

The Section now has an official travel agency. Goli's Avenues of Travel, located here in La Crosse, is offering benefits to both you and the Section. This association means that you benefit by receiving very competitive air fare rates (while retaining your own frequent flyer points) and the Section benefits by earning points towards tickets which help keep our costs down and save the Section money. Please call them for your reservations whether APTA related or not. Our corporate contact person is Lori Ormsby at Goli's (pronounced goalee). Lori may be reached by calling from a touch tone system at 1/800/356-2255, at the tone touch in 1105. Please mention that you are an Orthopaedic Section member so that we both benefit from the transaction.

We at the Section office, and the Executive Committee, hope that you will take advantage of the course offerings which have been made available to you through the Section, and which are advertised in this issue.

PRESIDENT'S MESSAGE



Jan K. Richardson, P.T., Ph.D., President
Orthopaedic Section, APTA, Inc.

Dear Members:

Most of you, as Orthopaedic Section members, are aware of the possibility of a motion coming forth to the American Physical Therapy Association (APTA) House of Delegates (HoD) in June 1989. This motion will address the 17 Sections receiving a vote in the HoD.

Historically, each of the Sections has been represented by a single delegate in the HoD who may bring forth motions and speak to motions but is restricted in the right to vote. There has been an effort over the past several years to remedy this inequity.

At the present time the Orthopaedic Section is the largest component of the APTA, representing nearly 11,000 members. This representation is more than double the next largest component which is the California Chapter. There have been concerns voiced by Chapters that allowing Sections to have a vote in the HoD will: 1) increase the size of the HoD to an unmanageable number; 2)

take away Chapter votes to allow Sections to have a vote; and 3) cause a dual representation of memberships based on Chapter vote and Section vote. However, these concerns can easily be addressed: 1) the APTA Task Force on Reorganization recommends that Sections have only two votes regardless of the size of the Section's membership (Chapter votes are based on the membership size); 2) the Task Force also recommends that this motion would not require that Chapters relinquish any vote in order that Sections each receive two votes; and 3) it is very difficult, if not impossible, to wear two hats as a delegate when reflecting on issues in the HoD. We tend to base our vote on the impact that motions have to our geographical, practice and educational areas versus our clinical area(s) of expertise. Additionally, delegates vote on a motion based on the impact that it will have at the grass root level for their members back home. Sections, on the other hand, represent a national membership and need to respond to

issues based on what is best for the nation as a whole.

Therefore, I am encouraging all Orthopaedic Section members to seriously consider serving as a Chapter delegate in June 1989 when this motion concerning Sections receiving a vote will be presented. If your Chapter has already selected its delegate, I encourage you, as Orthopaedic Section members, to speak to your delegation to offer support for this motion with an affirmative vote.

It is imperative that Orthopaedic Section members seriously consider serving as Chapter delegates on this motion. Our Section is not only large in number, but influential regarding the direction of our profession and needs to have the opportunity to affect decision making in our association.

Thank you for your serious consideration and commitment to this issue. I look forward to seeing you at the Combined Sections Meeting in Honolulu to further discuss our future.

CONTRIBUTE TO THE **Minority Affairs Challenge**

Send your tax deductible contribution to:

Foundation for Physical Therapy
1111 N. Fairfax
Alexandria, VA 22314

1989 ORTHOPAEDIC SECTION MASTER CALENDAR

JANUARY

- 1 DEADLINE: Application to sit for Orthopaedic Specialty Exam
- 19 JOSPT mailing date, February issue.
- 20 DEADLINE for receipt of proposed bylaw amendments to APTA headquarters. Send to: Margot Daffron, Governance Office, APTA

FEBRUARY

- 2-5 CSM '89 Hawaii
- 20-25 Review Course for Advanced Orthopaedic Competencies, Phoenix, AZ
- 20 JOSPT mailing date, March issue.

MARCH

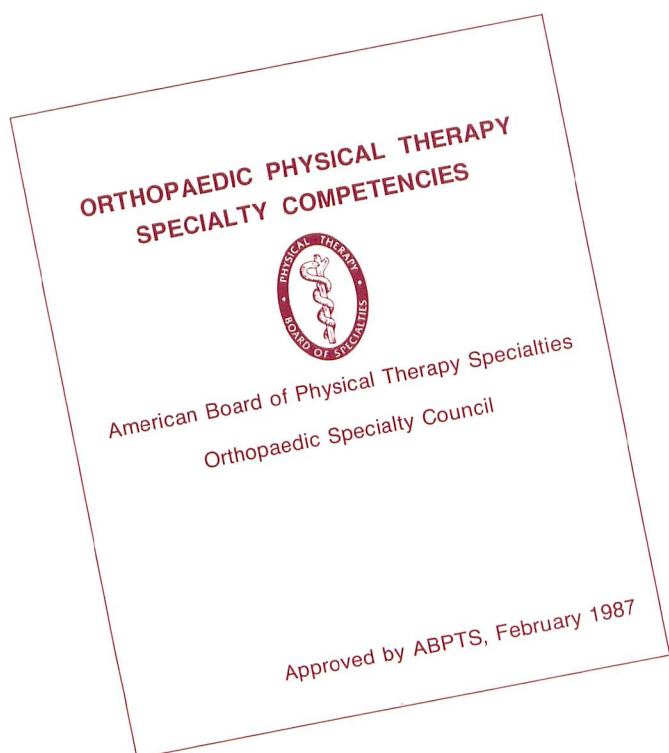
- 24 DEADLINE for receipt of proposed main motions to APTA headquarters. Send to: Margot Daffron, Governance Office, APTA
- 20 JOSPT mailing date, April issue.

JUNE

- 10 Exam date for Orthopaedic Specialty Exam.

AUGUST

- 7-12 Review Course for Advanced Orthopaedic Competencies, Evanston, IL



Now Available . . . **Orthopaedic Physical Therapy Specialty Competencies**

Orthopaedic Section Members \$45.00
Institutional \$65.00
Non-Members \$95.00

Send check, Visa, or MasterCard information to:

Orthopaedic Section, APTA, Inc.
505 King Street, Suite 103 • La Crosse, Wisconsin 54601 • (608) 784-0910

YEAR END SUMMARY REPORTS

1988

VICE PRESIDENT

Accomplishments:

The Vice President participated in all Executive Committee business at Combined Sections, Annual Conference, and Fall Executive Committee meetings.

The Vice President assisted with guidelines for Section opinion and position statements, opinion statement concerning manipulation, review of Year 2,000 Health Study by the U.S. Public Health Service, review of Section Education Committee's survey report of physical therapy schools, draft of policy and procedures for Awards Committee, review of two new award categories, updated Section Leadership Training Manual, presented and coordinated a four hour leadership program at the Fall Executive Committee meeting, and assisted assigned committees with the strategic planning process.

Future Activities:

The Vice President will be assisting the Member-at-Large to update and crossmatch Section Bylaws, Policies/Procedures, and strategic plan.

The Vice President will continue to work with assigned committees to accomplish goals specified in strategic plan.

The Vice President will continue to develop the leadership training program for Section officers and committee members.

Respectfully submitted,
Duane A. Williams, PT, M.A.
Vice President, Orthopaedic Section,
APTA Inc.

PRACTICE AFFAIRS COMMITTEE

Two members of the Practice Affairs Committee (Anne Campbell and Garvice Nicholson) attended the Fall Executive Committee Meeting/Leadership Training Workshop in La Crosse, Wisconsin. Strategic planning and budgeting for 1989 were discussed and formulated.

One of the major activities coming up will be a special forum in the new Orthopaedic Physical Therapy Practice publication to discuss practice issues. Currently, we are in the process of surveying chiropractic programs in the U.S. to determine content details relative to manipulation. We are also in the process of reviewing our position and opinion statement relative to issues such as manipulation. Reports as to these activities will be upcoming at CSM in February.

Respectfully submitted,
Garvice Nicholson, Chairman
Practice Affairs Committee

TREASURER—PROGRAM 05 FINANCE COMMITTEE DECEMBER 1, 1988

Summary:

During 1988 the Treasurer and Finance Committee have been kept busy monitoring a budget that has grown from \$191,000 in 1985 to over \$900,000 in 1989. Our non-dues income has increased to the point where we are projecting that dues in 1989 will only be 35-40% of total income. In 1985, dues were 80-85% of total income. The Section finances were stretched to the limit in 1988 due to some unexpected Speciality Council expenses and an unexpected oversight bill from Williams & Wilkins. 1989 should be easier to keep track of with an accounts payable system in place to improve tracking of outstanding debts. The section is also moving toward an accrual method of accounting rather than the cash method we have been using which will simplify the budgeting process.

During 1988, the following was accomplished:

1. The Section books were closed and the annual financial statement was presented to the Section at the CSM meeting in Washington D.C. in Feb. 1988.
2. The Section financial report was sub-

mitted to APTA

3. A CPA (McGladrey, Hendrickson & Pullen) firm in LaCrosse reviewed 1987 financial records for appropriateness and prepared the Section's tax return for 1987.
4. Annual Conference was attended in Las Vegas and the finance committee met and began compiling a trial budget by line item.
5. The membership software was updated at the Fall Executive Committee meeting with the help of the Section office staff. An accounts payable and accounts receivable module have been added to the Solomon accounting program.
6. The Treasurer has had ongoing communication with the bookkeeper, Carol Reynolds to enhance the reporting of the Section's finances.
7. The Fall Executive Committee meeting in LaCrosse was attended by the treasurer and finance committee with the majority of the work on the 1989 budget occurring at this time.
8. Additional work will be done on the budget and mailed to the finance committee and President for comment.

Respectfully Submitted
Robert E. Burles PT.
Treasurer
Orthopaedic Section, APTA, Inc.



PUBLICATIONS—PROGRAM 05

The *Journal of Orthopaedic and Sports Physical Therapy* was published each month for the twelve months ending December, 1988. Planning was completed with Williams and Wilkins for a design change to occur with Volume 10, Number 7, January, 1989 issue of *The Journal of Orthopaedic and Sports Physical Therapy*. The cover was redesigned to change each month with a graphic which denotes the lead article in the publication. Style changes were instituted inside the issue to add color and enhance readability. Manuscripts have been submitted through April, 1989 with five articles per issue. We are also instituting a P.T. Highlights page for news and notes of people and events. This area will be the last page set for the publication and should be alterable to three weeks before issuance.

The double blind review by two reviewers and submission to an associate editor for sports and orthopaedics is in place and functioning. Manuscripts are now progressing through the new system at an acceptable rate and we hope to build a manuscript backlog in addition to augmenting the future issues. Editorial board changes have taken place with 34 of the original editorial board rotating off and a scale down of the board size. New board members were selected by the editorial staff (editor and associate editors) with the advice and consent of the Section's executive committees.

We are continuing to solicit for subscriptions in foreign countries and are now sending issues to subscribers in 52 countries outside the U.S. Submission of manuscripts from foreign countries is also rising.

The Bulletin of the Orthopaedic Section was published four times in 1988. We have just completed plans for changing the *Bulletin* in name and format. The *Bulletin* will become *Orthopaedic Physical Therapy Practice*. *Orthopaedic Practice* will be on coated paper stock with two color printing, the same colors as the new *Journal*. The new "magazine" format will highlight orthopaedic practices and case studies as well as Orthopaedic Section business meeting information. A rate sheet has been devised and we are beginning to solicit advertising to defray some of the cost of the *Orthopaedic Practice*.

Ortho-Update has been produced three times in 1988 to update the membership regarding issues and information from the chairman of the

section.

The Journal office has been moved and is becoming established in the new Section office. We installed the Journal Editor Management System (JEMS) which has been a great step forward toward our goal of electronic publication. Williams and Wilkins has supplied the program and the installation at no cost to the sections. This system allows us to track manuscripts through the review process and monitor our review process.

We are on budget for 1988 except for a \$52,000 payment to Williams and Wilkins which carried over from 1987. The error at Williams and Wilkins resulted in our not being billed for three months during 1987 and therefore, required an outlay which we did not expect. We now have instituted a better checks and balance system which allows us to better monitor payments. Our budget for 1989 has been submitted \$553,000 with income of \$418,000.

Respectfully Submitted,
James A. Gould, M.S., P.T.
Publications Chairman
Orthopaedic Section, APTA Inc.

MEMBER-AT-LARGE

- Elected for a second term as member-at-large
- Conducted an extensive study to determine if it would be advantageous to move the Orthopaedic Section headquarters from La Crosse to the Washington, D.C. area. The Executive Committee has determined that it is not financially feasible to move the Section office at this time. Following the preliminary report, the Executive Committee tabled further study.
- In conjunction with the vice-president, provided input to the APTA testimony on the YEAR 2000.
- In conjunction with Nominating Committee, developed a Policy and Procedure manual which will be incorporated into the Section's Policy and Procedure Manual.
- Reviewed the Section bylaws to assure that they are in compliance with APTA Bylaws.
- Developed bylaw amendments to extend the term of office of all elected officers from two to three years and to require that all Section committee members be members of the Section. Both bylaw amendments passed.
- Initiated a revision of the Section's

Policy and Procedure Manual to assure that it is consistent with current bylaws and recent policy and procedure changes.

Respectfully Submitted,
William Fromherz
Member At Large
Orthopaedic Section, APTA Inc.

MINIMAL CRITERIA FOR PHYSICAL THERAPISTS TO SIT FOR THE SPECIALIST CERTIFICATION EXAMINATION

The following is the Minimal Criteria document generated by the Orthopaedic Specialty Council. Included are the requirements to be achieved in order that you may apply to sit for the orthopaedic specialty examination. The first examination is scheduled for June 9, 1989 at the Opryland Hotel in Nashville, Tennessee. The deadline to apply for this June exam date was January 1, 1989. Please check further Section publications for the announcement of the next scheduled exam date. Just as a reminder, the Section is offering "overview of orthopaedics" courses twice this year; this February in Phoenix and August in Chicago. Please see the full-page advertisement in this issue for additional details.

INTRODUCTION

Individuals wishing to sit for the specialist certification examination must meet specific criteria. The criteria, which are fully explained in the following sections include documentation of orthopaedic practice; competence in teaching in a variety of situations; the ability to read and critically interpret scientific literature; and documentation of character. In addition, applicants are required to participate in a field test dealing with patient satisfaction. The results of the surveys will not be used in determining an applicant's ability to sit for the examination however.

PRACTICE

An applicant must submit notarized evidence of a minimum of five (5) full-time years (10,400 patient contact hours) of practice in the area of orthopaedic physical therapy. These hours must have been completed within the last ten years. Six thousand two hundred forty (6,240) of these practice hours (3 years full-time practice) must include DIRECT PATIENT CARE, 50% of which occurred within the last three years and 5% of which occurred within the last year. Only those patient care hours involving the

physical therapy management of musculoskeletal conditions will be considered.

TEACHING

The applicant must demonstrate evidence of involvement in the development and implementation of educational programs for any or all of the following: fellow staff members, other health professionals, students, patients, families, and/or caretakers. You should refer to the teaching competency located in the *Orthopaedic Physical Therapy Specialty Competencies*. In your description, the following should be addressed:

- A. Parameters/characteristics that determine that the learner was ready to learn. Describe the attitudinal and educational barriers to learning (such as level of formal education, symptom magnification which must be considered when planning to teach. Discuss means to overcome any identified barriers.
- B. Specific topical areas to be taught in the areas of knowledge, behaviors or skills, and attitudes.
- C. Specific goals to be met by the learner including who will learn, what behavior/knowledge/attitude will be exhibited, and to what extent. These statements form the specific learning objectives. Therefore, they must be ordered to reflect sequencing of the learning experience and priorities.
- D. The necessary environment for learning (classroom, clinic, time of day, etc.). Describe the specific methods used (lecture, discussion, demonstration, etc.). List the equipment and/or materials used (weights, hand-outs, slides). Describe follow-up planned for the learner.
- E. Techniques used to enhance the learner's motivation (reinforcement, extrinsic rewards, interpersonal approaches, physical environment).
- F. A plan designed to test the effectiveness of the learning experience.

The measures of the original and modified plan (if there was one) must include outcome measures of teaching (e.g. levels of knowledge or skills attained, changed performance from pre- and post-testing, follow-up measures of compliance, satisfaction). Rationale for each measure must be included.

INTERPRETATION OF SCIENTIFIC LITERATURE AND THE RESEARCH PROCESS

The applicant must demonstrate competence in the critical analysis of Orthopaedic Physical Therapy literature through the completion of an assigned analysis of a research article related to the field of orthopaedic physical therapy.

You should refer to the research competency located in *Orthopaedic Physical Therapy Specialty Competencies*. The critical analysis of the assigned article should address the following:

1. Purpose of the study or report.
2. Research hypothesis.
3. Null hypothesis and directionality.
4. Dependent and independent variables.
5. Type of research.
6. Type of research design.
7. Method of assignment to experimental groups.
8. Appropriateness of methods to measure the dependent variables (reliability and validity).
9. Appropriateness of methods to manipulate the independent/extraneous variables (internal and external validity).
10. Type of statistical tests used to analyze the data.
11. Appropriateness of the statistical analysis.
12. Whether author's conclusions are justified.
13. Relevance of research or publication to orthopaedic physical therapy practice.
14. Usefulness of research or publication to a specific clinical practice (external validity).

COMMUNICATION

This area is being presented as a field test. Scores in this area will NOT be taken into consideration regarding eligibility to sit for the examination. However, failure to submit this information will be interpreted as an incomplete application. Patient satisfaction surveys will be provided to the applicant. These surveys will need to be completed by 30 patients. Additional surveys should be completed by the applicant, co-workers, supervisor (where applicable), and other staff members.

REFERENCES

Three character references are also required. The candidate must submit three (3) references written in the approved format. These references must include both a current or former supervisor in some capacity, e.g., a physician or other health care provider who is able to evaluate the candidate's skills and character. At least one of these references must be from a health care provider who can speak to the candidate's clinical skills.

!! ANNOUNCEMENT !! — YOU MAY WIN —

The Orthopaedic Section will be holding a drawing for those members who attend the Section Business Meeting during the Combined Sections Meeting in Hawaii. The prize will be a copy of the Orthopaedic Physical Therapy Specialty Competencies, a \$45 value. Those members who sign in at the door will be eligible.

NOW AVAILABLE

TERMINOLOGY of Orthopaedic Physical Therapy

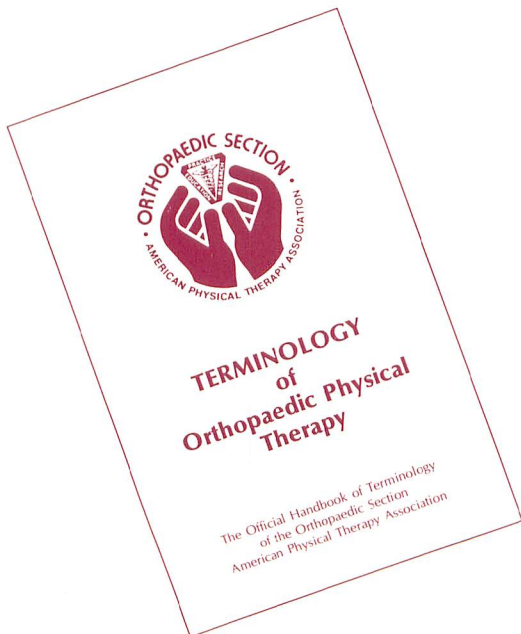
The Orthopaedic Section APTA, in an attempt to standardize the usage of terms associated with the practice of Orthopaedic Physical Therapy has compiled a 14 page listing of terms and their definitions. This booklet is a valuable resource to clinicians and students alike to familiarize themselves with the Terminology in use today.

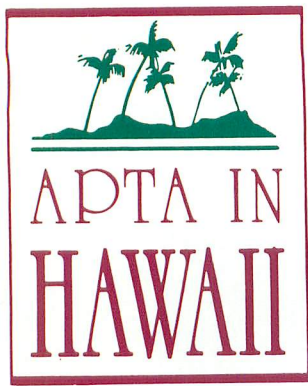
\$2.00 Section Members
\$4.00 Non-Section Members

\$1.75 for quantities over 20 (Section Mbrs. Only)

SEND CHECK TO:

Orthopaedic Section, APTA Inc. • 505 King Street Suite 103 • La Crosse, Wisconsin 54601





1989 COMBINED SECTIONS MEETING FEBRUARY 2-5 HONOLULU, HAWAII

Thursday, Feb. 2

- 8:30 AM—1:30 PM Joint Programming with Education
- 8:30 -9:30 AM "Teaching Mobilization in Academic Programs"
(William Boissonault, M.S., P.T.)
- 9:30—11:30 AM "Hip Biomechanics of the Osteoarthritic Patient"
(Donald Neumann, P.T., Ph.D.)
- 11:45 AM—1:30 PM "Mobilization: Its Place in the Physical Therapy Curriculum: Survey of Academic Programs, Creative Teaching Styles, Forum"
(Carol Davis, P.T., Ph.D., Jan K. Richardson, P.T., Ph.D.)
- 8:30—10:30 AM Section Executive Committee Meeting

Friday, Feb. 3

- 8:00 AM—1:30 PM Joint Programming with Sports Section
- 8:00—9:00 AM "Achilles Tendon Allografts for ACL Deficient Knees"
(Robert J. Medoff, M.D.)
- 9:15—10:15 AM ACL Reconstruction Using a Patellar Tendon Allograft
(Col. Michael J. Fay, M.D.; C.P.T., Charles R. Scoville, P.T.)
- 10:30—11:30 AM "Knee Laxity Testing-Current Technology"
(Thomas Owens, M.D.; Robert Mangine, P.T.; Patrick K. Ariki, P.T.)
- 12:30—1:30 PM Shoulder Arthroscopy
(Allen B. Richardson, M.D.)

- 11:30 AM—12:30 PM Multi Section Programming "Effectively Evaluating Platform and Poster Presentations"

Saturday, Feb. 4

- 7:30—9:00 AM Section Business Breakfast Meeting
- 9:00 AM—1:30 PM Section Programming
- 9:00—10:00 AM Research Presentations
(Moderator: Joseph Threlkeld, P.T., Ph.D.)
- 11:30 AM—12:30 PM Joint Programming with Cardiopulmonary and Private Practice "Fitness in Business"
(Robert Huhn, M.A., P.T.)
- 12:30—1:30 PM Joint Programming with Private Practice Section "Reimbursement in Industrial Physical Therapy"
(Michael Weinper, M.P.H., P.T.)
- 11:30 AM—12:30 PM Post CSM Section Executive Committee Meeting
- 3:00—5:30 PM Multi Section Poster Presentations
- 7:00—9:00 PM Orthopaedic Section Awards Reception "Black Tie and Roses"

Sunday, Feb. 5

- 7:30—10:00 AM Joint Programming with Hand Rehabilitation Section "Common Injuries and Appropriate Treatments of the Industrial Worker"
(Cumulative Trauma)
(Len Mathison, P.T., Ph.D.)

ABSTRACTS

Joseph Threlkheld, Research Committee Chairman

The following abstracts are scheduled to be presented at the Platform Presentation during CSM. The scheduled time is Saturday, February 4, 1989, 9:00-10:00 a.m.

Abstract #1

"THE RELATIONSHIP OF ACTIVE LUMBAR ROTATION AND LATERAL FLEXION TO FLEXION/EXTENSION POSITION"

Lee, A. I., Sato, K.Y., Gesik, B.K., Morikawa, D.K.

Different approaches to manual therapy have disagreed on the biomechanical interrelationship between spinal flexion/extension (FLEX/EXT), rotation (ROT) and lateral flexion (LF). These disagreements have led to conflicts on the clinical interpretation on manual spinal evaluation and treatment techniques. The purpose of this pilot study was to determine if FLEX/EXT position has a consistent influence on the relationship between active ROT and LF of the lumbar spine as measured in a clinical environment.

Subjects tested were eight (8) normal males between the ages of 25 and 40 years, taller than 5 ft. 1 in., with no previous history of low back disorder, and no back pain within the past six (6) months. Testing was performed with a low back dynamometer that simultaneously records (ROM, velocity, torque) and/or resists three-dimensional (FLEX/EXT, ROT, LF) movement of the low back region. Each subject was asked to move in a random sequence through separate trials of unresisted axial ROT and LF while being held in 35 degrees of FLEX and 25 degrees of EXT. Results indicated that the direction of ROT accompanying LF in FLEX (ROT opposite side as LF with EXT torques) was almost always reversed from ROT with LF in EXT (ROT same side as LF with FLEX torques) for all subjects. Pearson correlation coefficients for LF/ROT in FLEX ranged from -0.789 to -0.994 ($p < 0.01$, mean = -0.928) and from 0.825 to 0.992 ($p < 0.01$, mean = 0.962) for LF/ROT in EXT. These findings suggest that a functional change in lumbar

FLEX and EXT position may reverse the ROT which occurs with LF. Clinicians should consider the FLEX/EXT position when clinically assessing ROT and LF of the lumbar spine. Further studies are definitely needed to clarify these complex relationships and enhance our clinical effectiveness.

"DYNAMIC EMG OF NORMAL SHOULDER MOTION: CONES OF HUMERAL DISPLACEMENT"

Pearl, M.L., Perry, J., Torburn, L.

The purpose of this study was to identify recruitment patterns of the shoulder muscles used in conical displacements of the humerus, thereby establishing a base for future study of more complex motions such as pitching. The right shoulder of five normal volunteers was instrumented with intramuscular wire electrodes to record EMG activity of ten muscles: anterior, middle, and posterior deltoid; clavicular pectoralis major; latissimus dorsi; teres major; infraspinatus; supraspinatus; subscapularis; and teres minor. A goniometer attached to the lever arm of a Cybex II dynamometer was used to record the motion of the humerus simultaneously with EMG. Complete arcs of shoulder circumduction, defined as conical displacement of the humerus, were done in clockwise and counterclockwise directions. The motions were performed in the frontal and sagittal planes. Three to four repetitions were averaged to determine the mean EMG activity for each muscle during one cycle for each motion. Peak EMG activity during the conical motions was identified to determine each muscle's point of maximum participation during a circumferential shoulder motion.

Cones of humeral displacement showed a sequential recruitment of muscles crossing the glenohumeral joint which was similar in both the coronal and sagittal planes. Peak EMG activity occurred at a consistent point in both clockwise and counterclockwise cones corresponding to a moment of humeral displacement dependent on the anatomical position of the muscle on the humerus. Peak EMG activity of

the clavicular pectoralis major (occurring at the bottom of a clockwise cone and at the top of a counterclockwise cone) corresponded to adduction. Each head of the deltoid had a unique direction of pull. The posterior deltoid worked at the point of elevation and adduction of the humerus, and the middle deltoid had its peak activity at an intermediate point between that of the posterior and anterior deltoid. The latissimus dorsi and teres major both had maximum EMG activity when the humerus extended obliquely during the conical motion. Rotator cuff activity was always maximal during arm elevation, consistent with the concept of force couple in which the cuff muscles depress the humeral head to limit impingement. Analyzing free conical motions, which incorporates all planes, circumvents the limitations inherent in studying uniplanar motions. The potential clinical importance of this study was the display of selective, rather than synchronous, actions of the muscles acting at the shoulder joint.

PROGRAM COMMITTEE UPDATE

Z. Annette Iglarsh, Program Committee Chair

Combined Sections, 1989 is only a few weeks away! As we recover from holiday festivities, the final plans for our educational meeting are in high gear. I hope you have made your airline and hotel reservations for this series of educational seminars. Hawaii provides a pleasant background for our comprehensive programming.

The program begins on Thursday, February 2, 1989 with a day of combined program with the Section on Education. This day's series of presentations will address the teaching of orthopaedic physical therapy in an academic program. A panel discussion of academics and orthopaedic practitioners will initiate dialogue to standardize the orthopaedic content of the curriculum and to present different approaches to the blending of orthopaedic subjects into the curriculum.

Friday is a day of joint programming with Sports Physical Therapy. Current procedures in the treatment of knee and shoulder injuries will be presented.

Saturday begins with our section business meeting followed by a series of juried research presentations. These

presentations include the Steven J. Rose Research award winner. Saturday continues with presentations on conditioning programs in the industrial setting and reimbursement issues in industrial rehabilitation. These sessions are co-sponsored by the Orthopaedic, Cardiopulmonary and Private Practice Sections.

Saturday night our programming day concludes with "a touch of class" with the second annual "Black Tie and Roses" reception to recognize the Steven J. Rose Endowment for Orthopaedic Research. The recipient of the 1989 Steven J. Rose Research Award, Donald Newman, P.T., Ph.D., will also be recognized. This Orthopaedic Section reception is open to all CSM attendees to share in our professional pride.

Sunday concludes our programming with a clinically important session on industrial hand injuries. This will be co-sponsored by the Hand Section.

This tropical Combined Sections Meeting was planned to provide attendees with an enriching educational program while allowing sufficient time

to enjoy the local beauty and island activities. I hope we see you there since orthopaedic educational programming is a major service to the Section membership.

Statewide orthopaedic educational programming will continue later in February at the Section's Review Course on Clinical Competencies in Phoenix, Arizona. This is the second in our series of educational programs for review of clinical competencies. Our nationally known faculty will be presenting this comprehensive course in two three day programs. If you intend to register for this course, please contact Kathy Johnson at Meeting Planners, (804)-741-9189. This is an excellent opportunity to listen and work with the clinical leaders of our profession.

The program for CSM, '90 will begin to be formulated at CSM, '89. Please submit ideas for programs and/or speakers as soon as possible. The CSM, '90 program will be finalized in June at Annual Conference, '89.

See you in Hawaii!

GRADUATE OPPORTUNITIES AT UNC-CH

Did you ever feel that you really need to know more to help your patients or that you could be a more complete Physical Therapist if you just broadened your knowledge and refined your skills using that new-found knowledge? Have you suddenly discovered what direction you'd like your future practice to take, but feel unprepared to meet your new objectives? Have you expanded your interests to include new specialty areas or research?

If you can answer 'yes' to any one of these questions, consider the opportunities offered by the Master of Science Program for the Division of Physical Therapy at the University of North Carolina at Chapel Hill. This advanced masters degree program prepares individuals to assume leadership roles in their chosen area of expertise. It is organized into two major speciality tracks - neuromuscular and musculoskeletal - which in turn embrace selected areas of interest such as pediatrics, sports physical therapy, motor control, maternal and child health, geriatrics and orthopedics. Health administration and policy, education, research and clinical practice are supporting areas of study.

Degree requirements include completion of at least 36 semester credit hours comprised of core courses in the major specialty area and supporting area as well as courses outside the Division of Physical Therapy. The program provides students with facilities of the highest caliber and a faculty of experienced professionals who are actively involved in research and educational programs and who enable the students to obtain a 'broader outlook on life and health' and 'develop self-knowledge and skills.

As a result of this advanced educational experience, you will obtain the necessary tools to make significant contributions to the Physical Therapy profession, to be committed to producing optimum comprehensive care for your patients and to expand your own intellectual horizons.

Please contact Ruth U. Mitchell, Coordinator of Graduate Education, at the following address for more information:
Division of Physical Therapy CB #7135
Medical School Wing E The University of North Carolina at Chapel Hill
Chapel Hill NC 27599-7135

OFFICE THERMOGRAPHY

Evaluation and Documentation

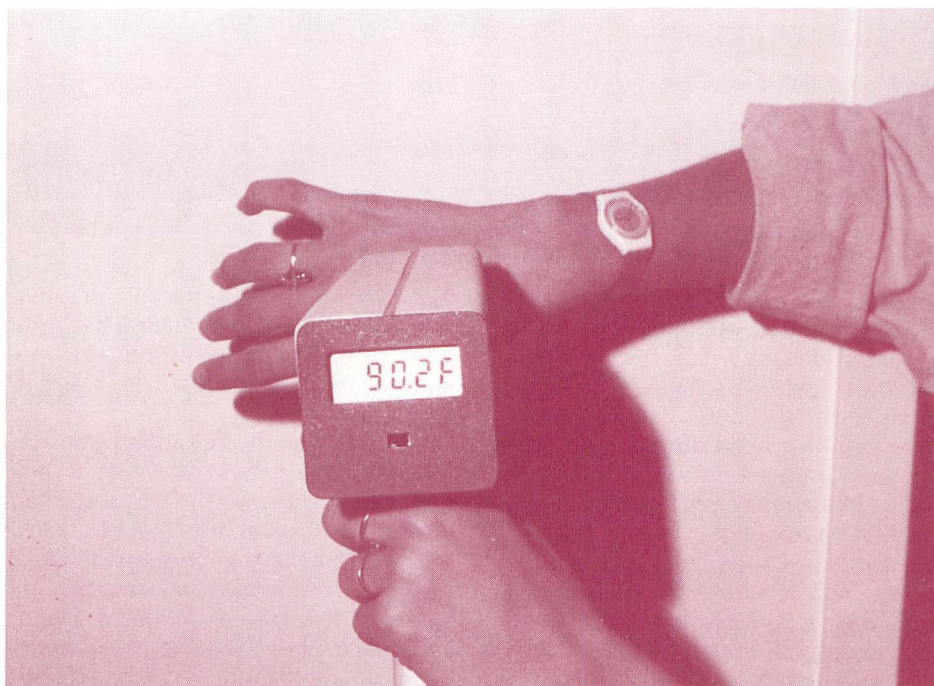
Joseph Kahn, Ph.D., P.T.*

The utilization of a clinical thermography unit is suggested for diagnostic and documentary purposes. The technique is described with interpretive analysis. Inclusion of this procedure in standard physical therapy evaluations and progress reporting is recommended.

In recent months insurance carriers have been requesting documentation of patient progress or non-progress before making payment. Other than manual testing procedures and goniometric measurements, taped readouts from sophisticated apparatus are apparently needed. I do not utilize the specialized exercise equipment in my practice, and would not consider adding these modalities to my practice just for documentation purposes since only ranges of motion and relative strength would be measured. However, it is still difficult to document pain relief other than by subjective methodology. The majority of patients seen in my office are there because of pain and dysfunction.

The need for hard-copy documentation in today's computerized medical milieu has led me to an innovative procedure. In an effort to provide needed documentation at a reasonable cost to me, with no additional expense to the patient or carriers and with generally acceptable validity, I am now using a small thermography unit, measuring skin temperature by reflected infra red radiation. The unit used is the Orthion. (Orthion Corp., 102 Kalmus Drive, Costa Mesa, CA 92626, obtained through the G.E. Miller Cor., of Yonkers, NY.)

Basic operation of the Orthion is provided by an infra red detector which absorbs radiation from the patient's skin and converts this radiation to microvoltages proportional to the temperature recorded. Amplification is by solid state components which provide an LCD readout in the battery-operated instrument. There is also a chart-recording device for hard-copy data, powered by standard 110V, 60 Hz AC. (See photo A)



(Photo A) The hand-held thermographic device is seen in position measuring the skin temperature of the dorsum of the hand.

Clinical operation of this unit is simple. The physical therapist points the detector at the target area, at a distance provided by the unit's roller-guide and squeezes the trigger. The unit may be held stationary to measure specific zones, or may be "rolled" along the surface seeking "hot spots" and/or trigger zones. The LCD provides instantaneous readouts of temperatures (in Fahrenheit or Centigrade). Tapes may be included for permanent records and carrier documentation. Accuracy is in the range of $\pm 2\%$ of the readings.

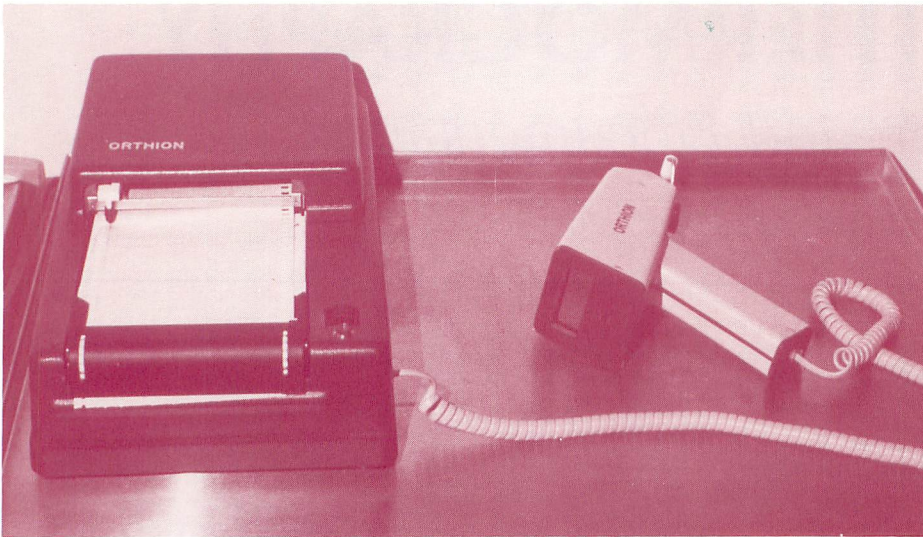
The key to thermographic data is the interpretation of the figures obtained. Since diagnosis, per se, is not within the scope of practice for physical therapists, the data provided by this method offers the clinicians, (physical therapist and physicians), pertinent information regarding the local temperatures of the target and surrounding areas. These facts are of value to the physician in determining proper diagnosis, status and prognosis. No machine is designed to make

an actual diagnosis or determine etiology. However, our training and experience as clinicians have certainly indicated a relationship between skin temperature and inflammatory processes. Conversely, we know that the absence of circulation often is identified with lower temperatures. Ischemic conditions may be related to muscle spasm, space-occupying lesions exerting pressure on vessels, or other conditions affecting circulation. Pain is associated with both inflammation and ischemia, and therefore, may be evaluated in light of the obtained thermographic measurements. Serial measurements

*Suite 1D

777 Old Country Road
Plainview, NY 11803

Dr. Kahn is Clinical Assistant Professor in the Physical Therapy Program at SUNY, Stony Brook as well as Adjust Associate Professor, Physical Therapy Division, Touro College, Huntington, NY.



(Photo B) The recording component is linked electronically to the device but may be turned off if taped documentation is neither needed nor desired.

will provide a running history for permanent records. (See photo B).

Astute clinicians will be aware of the variables which will modify temperature readouts (i.e. weather, minor or non-related illnesses or conditions). However, serial test will provide relative temperature changes for interpretation based upon existing information and circumstances. Skin temperatures will obviously be higher immediately after any treatment, whether electrotherapy, thermotherapy, or even exercise. Therefore, protocols suggest obtaining readings prior to treatment sessions for base-line figures. Obviously, the most important reading is the initial test.

Reporting thermographic findings becomes a matter of forwarding dated, identified tapes (or duplicates), with arrows indicating high or low readings, to

the physician for interpretation, or other examiner(s) as documentation (i.e. progress or lack of progress) based upon significant changes in local temperatures.

Used singularly or added to any manual measurements of range of motion, strength, gait analysis or any other electro/mechanical data, thermography becomes an effective, convenient, inexpensive, and non-invasive evaluation instrument for physical therapists. Hard-copy tapes are available for current charting, permanent records and insurance carrier documentation.

REFERENCES

1. Fischer, AA, Kressel NJ: The role of thermography in medicolegal documentation. NY State Bar Ass'n Incl. Jour., June 1984, 26-30.

Announcing—

A Public Relations Booth is now available for use. There is also a slide-tape package or video available for sale or rental. Please contact David Thomack, Administrative Director, Orthopaedic Section APTA, Inc., 505 King, Suite 103, La Crosse, WI 54601 for further details.

CLASSIFIED ADVERTISING & SHORT TERM COURSES

INSTRUCTIONS TO CLASSIFIED ADVERTISERS

All ads should be typewritten. An order on official letterhead must accompany all ads submitted. Please specify the number of issues in which the ad is to appear. Send ads to: Ads, Orthopaedic Physical Therapy Practice, 505 King Street, Suite 103, La Crosse, WI 54601

RATES

Classified advertising rate is \$5.00 per line for each issue. Lines may be estimated on a 60 character per line basis (this includes letters, punctuation marks and spaces). Please do not send

payment with the ad request since you will be billed by us at a later date. The right to reject an ad or change wording is retained by the editor.

INSTRUCTIONS FOR SHORT-TERM COURSE ADVERTISEMENTS

Advertisers are requested to include all necessary information for prospective course participants. *Orthopaedic Physical Therapy Practice* is published 4 times per year-January, May, August, November. Ad deadlines are the first day of the preceding month. Rates are \$5.00 per line. Lines may be estimated on a 40 character per line basis (this includes letters, punctuation marks and spaces).

Billings will be sent upon publication. Send copy to: Orthopaedic Physical Therapy Practice, 505 King Street, Suite 103, La Crosse, WI 54601.

SEVENTH ANNUAL SPORTS MEDICINE WORKSHOP "THE LOWER EXTREMITY"

presented by Tufts University School of Medicine, Dept. of Anatomy & Orthopaedics and the Dept. of Athletics Tufts University. June 26-29, 1989. An interdisciplinary program for athletic trainers, physical therapists and sports medicine clinicians. Including: Human Cadaver Dissection. Program Directors: Mark Doughtie, ATC, James Morehead, PhD, John Richmond, MD. For more information: Tufts University School of Medicine, Office of Continuing Education, 136 Harrison Avenue, Box 36, Boston, MA 02111. 617-956-6579.

REQUEST FOR NOMINATIONS FOR ORTHOPAEDIC SECTION OFFICES

The Orthopaedic Section of the American Physical Therapy Association requests your input for qualified candidates to run for the Section offices listed below. If you would like the opportunity to serve the Section or know of qualified members who would serve, please fill in the requested information. The Nominating Committee will solicit the consent to run and biographical information from the person you recommend.

(Print Full Name of Recommended Nominee)

Address _____ City _____ State _____ Zip _____
 Area Code _____ Phone Number _____ (Home) _____ Area Code _____ Phone Number _____ (Work)

Is recommended as a nominee for election to the position(s) of:

President-Elect Vice-President Nominating Committee Member

Nominations should be called into David Apts, phone 800-637-2225 by January 25, 1989



Certificate of Membership
the
Orthopaedic Section
of the
American Physical Therapy Association
Hereby Certifies That

_____ is a member of the Orthopaedic Section

President

Now Available . . . Certificates of Membership in the Orthopaedic Section

The 11" x 8½" certificate is ready for framing with your name done in calligraphy, and the sticker of the year purchased for \$10.00. Subsequent year stickers will be available for \$2.00.

Send check, Visa, or MasterCard information to:
Orthopaedic Section, APTA, Inc.
505 King Street, Suite 103
La Crosse, WI 54601
(608) 784-0910

MANIPULATIVE THERAPISTS ASSOCIATION OF AUSTRALIA ***JULY 12-15, 1989***

Featuring Three Keynote Speakers

Professor Sir Sydney Sunderland

Emeritus Professor University of Melbourne
TOPIC: Nerve supply of the upper limb and possible mechanism to validate upper limb tension tests.

Professor Barrie Vernon-Roberts

Department of Pathology—University of Adelaide
TOPIC: Research findings on lumbar spine discs and facets, and implications for management.

Dr. Margreta Nordin

Co-Winner 1988 Volvo Award for Back Pain Research
TOPIC: Research implications for management of patients with low back pain.

Contact: Manipulative Therapists Association
P.O. Box 235
North Balwyn, Victoria 3104
AUSTRALIA



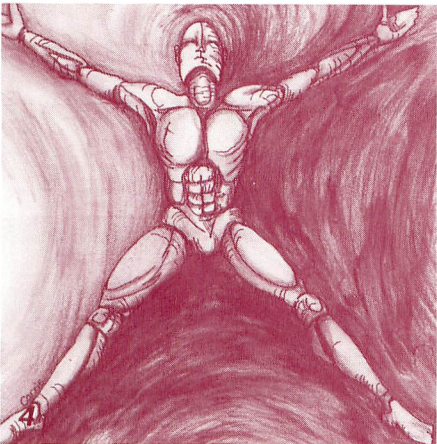
1



2



3



4



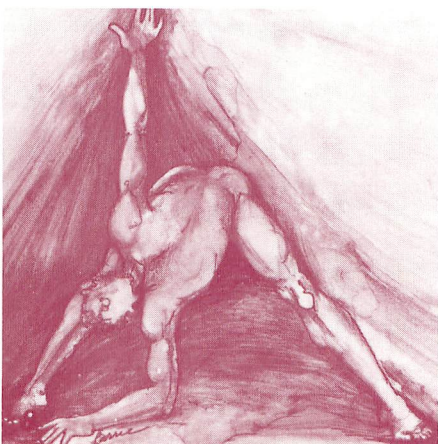
5



6



7



8



9

Bulletin of the Orthopaedic Section cover offer . . . \$15.00 each or \$100.00 for the set of nine. (No cash please)

We'll send you a 9 3/4" x 10" print of a Bulletin cover or the set of nine, maroon ink on cream stock. Just add \$2.50 to cover postage and handling. (Please allow 3 weeks for delivery.)

Write to Orthopaedic Section, 505 King Suite 103, La Crosse, WI 54601.

Name _____

Address _____

City _____

State _____ Zip _____

Check Amount _____ (Pre-paid only)

Visa/MasterCard # _____

Expiration Date _____

Print number _____ Set of nine

Signature _____

**ORTHOPAEDIC SECTION, APTA, INC.
PUBLIC RELATIONS AND AUDIOVISUAL MATERIALS**

Order Form

The items pictured at the right are available for sale or rent through the Orthopaedic Section office:

- _____ Orthopaedic Physical Therapy logo pins. (Section Members \$10.00, non-members \$20.00)
- _____ Coffee mugs. \$5.50 each or \$20 per set of four (mugs can be sold in two of each style). Two styles: (indicate which style, "X")
 - _____ 1) Orthopaedic Physical Therapy definition, or
 - _____ 2) . . .the touch of class.(non-members \$8.00 each or \$30 for a set of four)
- _____ Brass paper weight of Section logo. (Section members \$25 each, non-members \$40).
- _____ Tape measure with the Section logo (six foot cloth tape), (Section members \$4, non-members \$6) (\$3.75 each in quantities of ten (10) or more, for Section members only)
- _____ Orthopaedic Physical Therapy brochures (Section members \$20 per 100 brochures, non-Section APTA members \$35 per 100 brochures)
- _____ Orthopaedic Physical Therapy Terminology booklets (Section members \$2 each, non-members \$4) (\$1.75 each for orders of 20 or more, for Section members only)
- _____ Orthopaedic Physical Therapy competencies. (\$45 Section members, \$65 Educational Institutions, \$95 non-members)
- _____ Orthopaedic Section, APTA, Inc. membership certificate. This attractive, personalized certificate is now available. The cost is \$10 for the certificate. Subsequent yearly update stickers will be available at a cost of \$2 each. (not available to non-Section members)
- _____ Prints of *Bulletin* covers (9 $\frac{3}{4}$ " x 10") Section members \$15 each or \$100 for the set of nine. (Pictured on the reverse of this sheet). (non-Section members \$25 each or \$150 for the set of nine)
- _____ Display booths (\$50.00 per use plus return shipping). The Section has recently purchased two new, easy to use, table-top model booths. (not pictured)
- _____ Orthopaedic Physical Therapy Slide/Tape Program (Section members \$25.00 per use plus return shipping, purchase price \$120.00). Also available in $\frac{1}{2}$ " VHS video format. (not pictured) (non-Section members \$50 per use plus return shipping, not available for sale to non-members)

Name _____

Address _____

City _____ State _____ Zip _____

Please add \$2.50 per order for postage and handling

Please make your check payable to the: **Orthopaedic Section, APTA, Inc.**

505 King Street, Suite 103
La Crosse, WI 54601
608/784-0910, FAX 608/784-3350

Signature _____

VISA/MasterCard (circle one) # _____ Exp. Date _____

(note: minimum charge order \$20)

APTA # _____

(Contact the Section office for details)

(8/1/88)

ORTHOPAEDIC STUDY GROUPS

In an attempt to identify for section members study groups which are functioning in their area, the following list of persons concerned with study groups is published. It is our hope to develop a network of study groups to facilitate acquisition of the vast amount of knowledge encompassed in the area of orthopaedics.

ALABAMA

Tuscaloosa Area Orthopaedic Study Group

James A. Korte, Coordinator
c/o Department of Rehabilitation
DCH Regional Medical Center
809 University Boulevard E
Tuscaloosa, AL 35403
(205) 759-7157

Birmingham Orthopaedic Study Group

Ellen Hamilton, Chairman
421 Shades Avenue
Birmingham, AL 36226
(205) 822-7142

ARIZONA

The Phoenix Manual Therapy Study Group

c/o Arizona Physical Therapy
Professionals
Timothy O. Fearon
6135 North Seventh Street
Phoenix, AZ 85014
(602) 230-9871

CALIFORNIA

Los Angeles Orthopaedic Study Group

Lyman Kennedy
11602 Chester Avenue
Garden Grove, CA 92640
(714) 638-9309 (Home)
(714) 847-1367 (Work)

Manual Therapy Study Group

Alice L. McCleary
1321 Cary Way
San Diego, CA 92109
(619) 488-6130

San Luis Obispo Orthopaedic Study Group

Cliff Reynolds
1250 Peach Street, Suite D
San Luis Obispo, CA 93401
(805) 541-4390

TMJ Study Group

Gail Wetzler, PT
3620 South Bristol Street, Suite 208
Santa Ana, CA 92704
(714) 241-1714

Santa Barbara Orthopaedic Physical Therapy Study Group

Michael A. Mocny, Chairman
411 West Pueblo Street
Santa Barbara, CA 93105

San Francisco Orthopaedic Study Group

Daniel L. James, PT
1716 Ocean Avenue, -196
San Francisco, CA 94112-1792

CONNECTICUT

Regional Physical Therapy

Sharon Weiselfish, MA, PT
Crossroads Plaza
740 North Main Street, Suite 2-G
West Hartford, CT 06117
(203) 523-5487

FLORIDA

East Central Florida Orthopaedic Study Group

John C. Trittschuh
119 West Plymouth Avenue
Deland, FL 32720
(904) 738-3456

Manual Therapy Interest Group

Adam Geril, MS, PT, Chairman
Shands Hospital at the University of
Florida
P. O. Box J-341
Gainesville, FL 32611
(904) 395-0295

Jacksonville Area Orthopaedic Physical Therapy Study Group

Don Hunter, MS, PT
2561 Riverside Avenue
Jacksonville, FL 32204
(904) 388-6004

Southeastern Florida Orthopaedic Study Group

Bruce R. Wilk
8955 S W 87th Court, -212
Miami, FL 33176
(305) 385-0518

Sarasota Orthopaedic Study Group

Don Moore, RPT
3326 Austin Street
Sarasota, FL 33583
(813) 922-6580

Treasure Coast Orthopaedic Study Group

Ron Wilson
2236 11th Lane
Vero Beach, FL 32960
(305) 567-4311

Tampa Bay/St. Petersburg Orthopaedic Study Group

Mark A. Mlack
4003 Waterman Avenue
Tampa, FL 33609
(813) 875-4607

GEORGIA

Athens Area Orthopaedic Study Group

Beth Johnson
1190 Prince Avenue
Athens, GA 30613
(404) 549-9977, Ext. 3511

ILLINOIS

Chicagoland Orthopaedic Physical Therapy Study Group

Elena Kurth, Secretary
P. O. Box 564
Oak Park, IL 60303
(312) 525-7868

PIAC Sports Medicine Study Group

Kevin Wilk and Bill Moritz, Co-Chairmen
c/o CORS
7600 College Drive
Palos Heights, IL 60463
(312) 361-0608

IOWA

Southeast Iowa I.M.S.G.

Jeff Taeger, LPT, Chairman
c/o Physical Therapy Department
1026 A Avenue, NE
Cedar Rapids, IA 52402

KENTUCKY

Bluegrass Orthopaedic Study Session

Dale Avers, Chairman
Woodford Memorial Hospital
360 Amsden Avenue
Versailles, KY 40383
(608) 873-3111, Ext. 291

LOUISIANA

New Orleans Orthopaedic Study Group

Rebecca Devoe
136 Rosewood
Metairie, LA 70005
(504) 831-4285

Bayou Orthopaedic Study Group

John Schmidt
1329 Englewood Drive
Slidell, LA 70458
(504) 649-5311

MARYLAND
Orthopaedic Study Group of Southern Maryland

Bob Grossman, Chairman
2415 Musgrove Rd.
Silver Spring, MD 20904
(301) 989-9040

MASSACHUSETTS
Southeastern Massachusetts Orthopaedic Study Group

Nanci Machnik, P.T., Chairman
Box 12-A, 3 Village Way
Brockton, MA 02401
(617) 587-5367

MICHIGAN
Grand Rapids Area Orthopaedic Study Group

Joe Witte
355 Carlton, S.E.
Grand Rapids, MI 49506
(616) 458-6198

MINNESOTA
Southeast Minnesota Orthopaedic Study Group

Mary Nelson
E-10 PM & R
Mayo Clinic
Rochester, MN 55905
(507) 284-3771

Minnesota Orthopaedic Study Group

Dellie DiGiovanna
Wayzata Physical Therapy Center
250 North Central Avenue, Suite 200
Wayzata, MN 55391
(612) 473-4972

MISSOURI
St. Louis Orthopaedic Study Group

Janet Tenhula, M.H.S., P.T.
509 S. Euclid Avenue
St. Louis, MO 63110
(314) 362-2381

NEVADA
Southern Nevada Orthopaedic Study Group

Randall S. Johnson, Chairman
1197 East Deputy
Las Vegas, NV 89119

NEW JERSEY
North Jersey Orthopaedic Study Group

Brian Miller
Twin Boro Physical Therapy
836 Mountain Avenue
Westfield, NJ 07090
(210) 233-1222

NEW MEXICO
New Mexico Manual Therapy Study Group

Jerry Hesck, P.T.
12512 Monarch N.E.
Albuquerque, NM 87123

New Mexico Orthopaedic Study Group

Bruce Eckhardt
1008 Alvarado S.E.
Albuquerque, NM 87108
(505) 266-9540

NORTH CAROLINA
Triangle Orthopaedic Study Group

Craig De Bussey
600-1 La Salle, Suite 13-E
Durham, NC 27705

OHIO
Northeast Ohio Orthopaedic Study Group

Eddie Knowlton Benner
Ron Kleinman
P.O. Box 17
Mantua, OH 44255
(216) 274-3148

PENNSYLVANIA
Scranton/Wilkes-Barre Orthopaedic Study Group

Martin Stopper
232 Camelot Drive, RD -4
Clarks Summit, PA 18411
(717) 586-8340

RHODE ISLAND
Orthopaedic Study Group of Rhode Island

Carolyn Hahn Campbell, MS,PT
133 Colonial Road
Providence, RI 02906
401) 521-1878

TENNESSEE
Tennessee Orthopaedic Study Group

Greg Cross, PT
Physical Therapy Services
Sports Medicine and Rehabilitation
1767 Fort Henry Drive
Kingsport, TN 37664

WASHINGTON
Washington Orthopaedic Special Interest Group

Michael Chamberlin, Chairman
Edmonds Physical Therapy and Sports
Medicine, P.S.
21727 76th Avenue
West Edmonds, WA 98020
(206) 774-3226

WISCONSIN
Indianhead Orthopaedic Study Group of Wisconsin

Doug Litscher
Rt. 1, Box 98-A
Rice Lake, WI 54868
(715) 234-2273

Proceedings of the
8th Annual Eugene Michels Forum

Washington, D.C.
February 12, 1988

include 47 pages of complete transcripts and figures of presentations on the Neurologic and Cardiopulmonary Measurement of Function in the Elderly. Becky Craik and Claire Kispert were the presenters and leaders of the discussion that is also included in the Proceedings. A limited number of copies are available from Gary Soderberg, 2600 SB, The University of Iowa, Iowa City, IA 52242. Checks for \$10.00 should be made to the order of Section on Research.

POST ENTRY LEVEL PROGRAMS IN ORTHOPAEDIC PHYSICAL THERAPY

Name of School/Program	Contact	Name of School/Program	Contact
1. Northwestern University	Judith Falconer, Ph.D. Director of Graduate Studies Northwestern University Medical School Programs in Physical Therapy 345 East Superior Street, Room 1323 Chicago, Illinois 60611 Phone: (312) 649-8160	9. University of Southern California	Helen Hislop Department of Physical Therapy University of Southern California 12933 Erickson Avenue Downey, California 90242 Phone: (213) 923-5591
2. MGH Institute of Health Professions	Alan Jette, Ph.D., Program Director Daniel Dyrek, M.S., Orthopaedic Specialization Coordinator 15 River Street Boston, Massachusetts 02108-3402 Phone: (617) 726-8000	10. Medical College of Virginia	Virginia Commonwealth University Department of Physical Therapy P.O. Box 224 MCV Station Richmond, Virginia 23298 Phone: (804) 786-0234
3. Emory University	Dr. Pamela A. Catlin, Director Division of Physical Therapy Emory University School of Medicine 2040 Ridgewood Drive, NE Atlanta, Georgia 30322	11. Georgia State University	Carolynn Crutchfield, Ed.D.,P.T. Director of Graduate Studies Department of Physical Therapy Georgia State University Atlanta, Georgia 30303 Phone: (404) 658-3075
4. Northeastern University	Jane Toot, Ph.D.,P.T. Northeastern University Department of Physical Therapy 360 Huntington Avenue Boston, Massachusetts 02115	12. Washington University	Marybeth Brown, Ph.D. Washington University Medical Center P. O. Box 8083 660 South Euclid Avenue St. Louis, Missouri 63110 Phone: (314) 362-3670
5. University of Pittsburgh	Richard W. Bowling, M.S.,L.P.T. Physical Therapy Department Braddock General Hospital 400 Holland Avenue Braddock, Pennsylvania 15104 Phone: (412) 624-2960	13. Temple University	Katherine F. Shepard, Ph.D. Director of Graduate Studies Department of Physical Therapy 3307 North Broad Street Philadelphia, Pennsylvania 19140
6. University of Kentucky	Dean P. Currier, Ph.D. Department of Physical Therapy, HP 500 University of Kentucky Medical Center Lexington, Kentucky 40536 Phone: (606) 233-5941	14. Long Island University	Lydia Wingate, Ph.D.,Director Division of Physical Therapy Long Island University Brooklyn Campus University Plaza Brooklyn, New York 11201 Phone: (718) 403-1063
7. University of Minnesota	Louis R. Amundsen Course in Physical Therapy Box 388, Mayo Building University of Minnesota Health Sciences Minneapolis, Minnesota 54555 Phone: (612) 376-4680	15. University of Alabama at Birmingham	Marilyn R. Gossman, P.T.,Ph.D. Director Division of Physical Therapy University of Alabama at Birmingham 1714—9th Avenue South Birmingham, Alabama 35294 Phone: (205) 934-3566
8. Kaiser-Permanente Medical Center	Orthopaedic Physical Therapy Program and Clinical Residency Kaiser-Permanente Medical Center 27400 Hesperian Boulevard Hayward, California 94545 Phone: (415) 784-5092	16. Hahnemann University	Neil Pratt, Ph.D., P.T. Curriculum Coordinator of Orthopaedics Program in Physical Therapy Hahnemann University Mail Stop 502 201 North 15th Street Philadelphia, PA (215) 448-1750

REVIEW FOR ADVANCED ORTHOPAEDIC COMPETENCIES

— *Sponsored by the Orthopaedics Section of A.P.T.A.* —

FEBRUARY 20-25, 1989 • PHOENIX, ARIZONA

Holiday Inn Holidome

August 7-12, 1989

Omni Orrington Hotel

Chicago, Illinois (Evanston)

MEETING A:

THE CERVICAL SPINE
Walter Personius, P.T., Ph.D.

THE SHOULDER
Sandy Burkart, P.T., Ph.D.

UPPER EXTREMITY
Janet Sobel, P.T.

TUITION:

\$250 for Orthopaedic Section Members

\$300 for Non-Members

MEETING B:

THE LOW-BACK
Russell Woodman, P.T., M.S.

THE SACRO-ILIAC JOINT/HIP
James Porterfield, M.A., P.T., A.T.C.

THE KNEE
Robert Mangine, M.Ed., P.T., A.T.C.

THE FOOT/ANKLE
Dan Riddle, P.T., M.S.

TUITION:

\$300 for Orthopaedic Section Members

\$350 for Non-Members

TUITION FOR MEETINGS A and B:

\$500 for Orthopaedic Section Members

\$600 for Non-Members

For More Information, complete the form below, detach and mail to:

Meeting Planners, Inc. 10404 Patterson Ave. • Suite 203 • Richmond, VA 23233 • (804) 741-9189

REVIEW FOR ADVANCED ORTHOPAEDIC COMPETENCIES

Name _____ Day-Time Phone No. (_____) _____

Address _____

City _____ State _____ Zip Code _____

Check: Please register me for the following course(s):

- Enclosed is my registration fee in the amount of:
\$ _____ . Member Non-Member
- Please send me more information.

August 7-12, 1989

- Meeting A Only
 Meeting B only
 Meetings A and B

February 20-26, 1989

- Meeting A Only
 Meeting B only
 Meetings A and B

YES, I want to take advantage of the member rate immediately. (Please add \$30 to your member rate fee).

Goli's Avenues of Travel is the official travel agency for this meeting. Call 800-356-2255, at the second dial tone touch in 1105 and speak with Lori.

Orthopaedic Section Mugs



These distinctive deep blue mugs with white printing have the Section logo on one side and the definition of orthopaedic physical therapy or the Orthopaedic Section—the touch of class. Each mug has a lid which helps keep hot liquids warm and also serve as a base for the cup.

Orthopaedic Section Mugs

\$5.50 each

\$20.00 for set of 4 (2 each style)

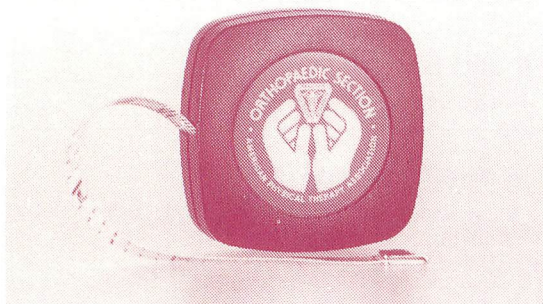
Indicate style:

- Orthopaedic physical therapy definition
- Orthopaedic Section—the touch of class

To order send check payable to:
Orthopaedic Section APTA
505 King St., Suite 103
La Crosse, WI 54601

Add \$2.50 per order for postage and handling. Allow 2-3 weeks for delivery.

Orthopaedic Section Logo Tape Measure



This indispensable piece of equipment for any physical therapist is now available with the section logo. This 5 foot automatic return tape measure is black with a distinctive blue and white logo. Excellent for use in the clinic or as a gift.

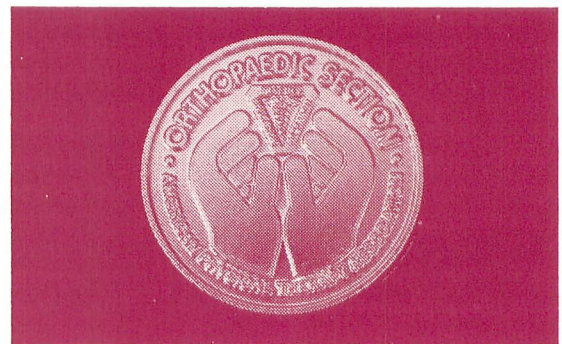
Orthopaedic Section Logo Tape Measure

Only \$4.00

To order send a check or money order payable to:
Orthopaedic Section APTA
505 King St., Suite 103
La Crosse, WI 54601

Add \$2.50 per order for postage and handling.
Allow 2-3 weeks for delivery.

Orthopaedic Section Logo Paperweight



This handsome solid brass paperweight which measures a full 3 inches is a useful and distinctive addition to your office or home. Useful for yourself or an excellent gift for others.

Orthopaedic Section Logo Paperweight

Only \$25.00

To order send check or money order payable to:
Orthopaedic Section APTA
505 King St., Suite 103
La Crosse, WI 54601

Add \$2.50 per order for postage and handling.
Allow 2-3 weeks for delivery.

SURVEY

Regarding The Journal of Orthopaedic and Sports Physical Therapy

To better serve the membership of the Orthopaedic and Sports Sections, we are interested in feedback about the present *Journal of Orthopaedic and Sports Physical Therapy*. We ask that you complete the following questionnaire and return it to us for feedback.

Appearance: The *Journal* cover is adequate and acceptable.

_____ yes
_____ no

comment _____

Format: The *Journal* format and manuscript presentation is adequate and acceptable.

_____ yes
_____ no

comment _____

Content:

Articles: The articles are of acceptable quality and quantity.

_____ yes
_____ no

comment _____

Too many of the articles are research oriented.

_____ yes
_____ no

comment _____

Too many of the articles are clinically oriented.

_____ yes
_____ no

comment _____

The blend of articles adequately covers clinical and research aspects of practice.

_____ yes
_____ no

comment _____

Book Reviews: The quantity and quality of the book reviews is

_____ acceptable
_____ needs improvement

comment _____

Abstracts of Current Literature: The quantity and quality of the abstracts is

_____ acceptable
_____ needs improvement

comment _____

Other comments: In which ways would you like to see JOSPT changed to better meet your needs?

Please return this survey to: JOSPT, Survey
505 King, Suite 103
La Crosse, Wisconsin 54601

RESPONSE CARD — Bulletin of the Orthopaedic Section, APTA

Please write your comments or additions to *The Bulletin* below and send this to: Editor, The Bulletin of the Orthopaedic Section, 505 King, Suite 103, La Crosse, WI 54601.

NOW Available for Orthopaedic Section Members

Informational brochures on Orthopaedic Physical Therapy



These brochures define orthopaedic physical therapy, explain about examination and orthopaedic treatment, and patient education.

The area on the back of the brochure is available for your own logo or stamp.

Use these brochures for physician and patient education as well as promotional material for civic groups, career days and educational seminars.

Available to members below cost in 100's only.

Orthopaedic Section Members - \$20.00 per 100

Nonsection APTA Members - \$35.00 per 100

Prepaid only - Postage paid.

SEND CHECK TO:

Orthopaedic Section

American Physical Therapy Association
505 King Suite 103
La Crosse, WI 54601



Bulletin of the Orthopaedic Section

American Physical Therapy Association
505 King Suite 103
La Crosse, WI 54601

Non-Profit Org.
U.S. Postage
PAID
Permit No. 101
La Crosse, WI