

Summer 1988

Volume 42

Number 2

*Index Special—Featuring 1975–1985 Index*



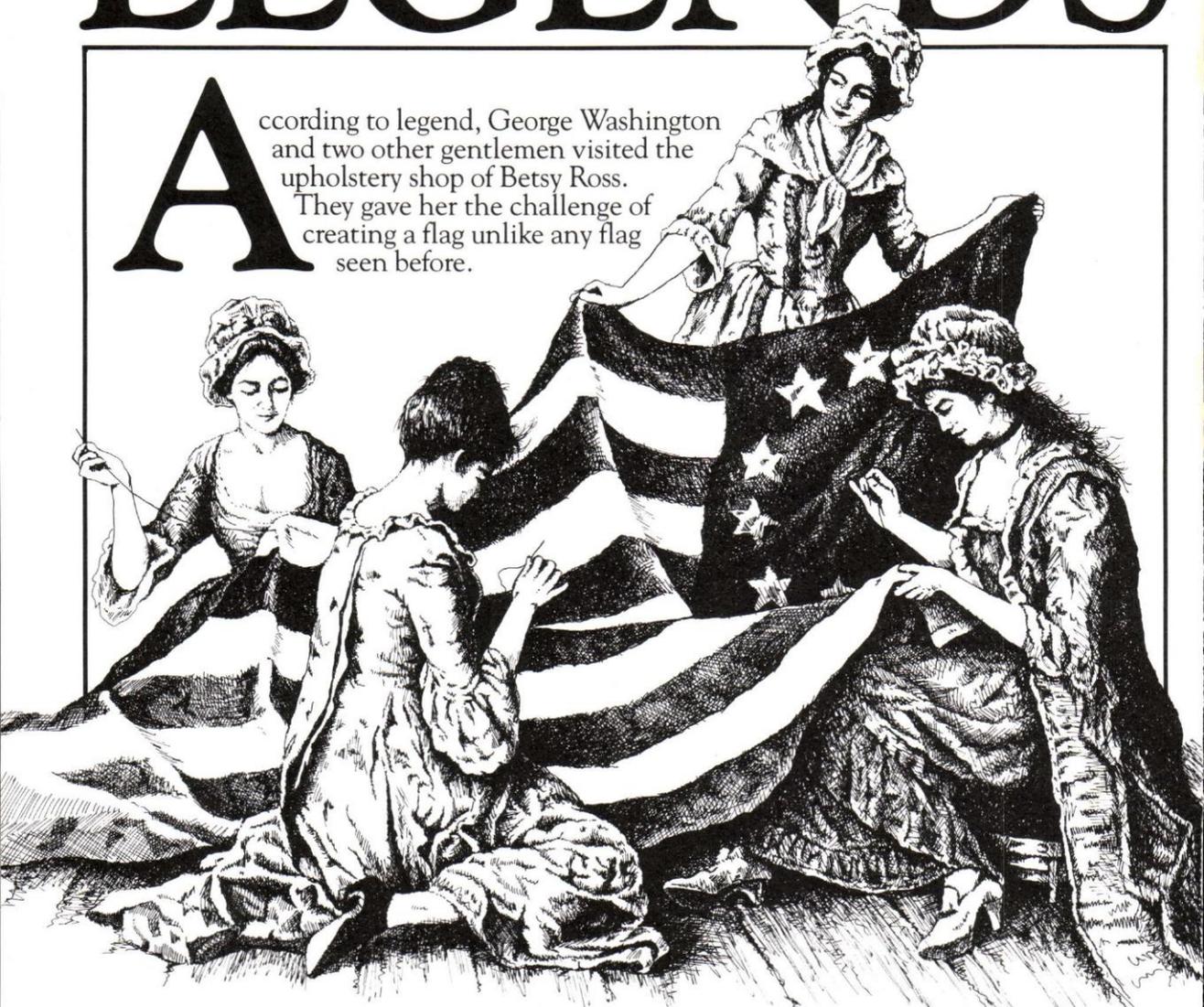
# Orthotics and Prosthetics

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Journal of the American Orthotic and Prosthetic Association

# LEGENDS

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# Letter From The Editor

Dear Reader,

The American Orthotic and Prosthetic Association is pleased to announce that it will be publishing *Orthotics and Prosthetics* under a new title in cooperation with the American Academy of Orthotists and Prosthetists. The result of this cooperative effort will be the *Journal of Prosthetics and Orthotics*. The first issue of the new quarterly journal will be published October, 1988.

The *Journal of Prosthetics and Orthotics* will be equally supported by AOPA and the Academy and will be backed by an outstanding editor and editorial board. The new journal will be the only orthotic and prosthetic journal in the United States and will alternate between solicited and unsolicited issues. Each solicited issue will focus on a topic that the editorial board considers to be relevant and the most current concern to the orthotics and prosthetics field. Prosthetists, orthotists, and other allied health professionals who are best able to write on the chosen topic—the experts—will be solicited.

Every alternate issue will feature articles which are submitted for publication and accepted, after a full review by the editorial board. Again, articles chosen for publication will be relevant and current.

The editor of the *Journal of Prosthetics and Orthotics* will be **Charles Pritham, CPO**, former editor of *Clinical Prosthetics and Orthotics*. Members of the editorial board are as follows:

**Larry Lange, CPO**—former editor of *Orthotics and Prosthetics*

**John W. Bowker, M.D.**—Director of the Department of Orthopaedics and Rehabilitation at the University of Miami School of Medicine and former member of the *Clinical Prosthetics and Orthotics* editorial board.

**Wayne Daly, CPO**—former member of the *Orthotics and Prosthetics* editorial board

**Michael J. Quigley, CPO**—chairman of the editorial board for *Clinical Prosthetics and Orthotics* and former editor for *Orthotics and Prosthetics*

**Robert C. Manfredi, Jr., CPO**—former member of the *Orthotics and Prosthetics* editorial board

**Michael P. Greene, CPO**—former member of *Orthotics and Prosthetics* editorial board

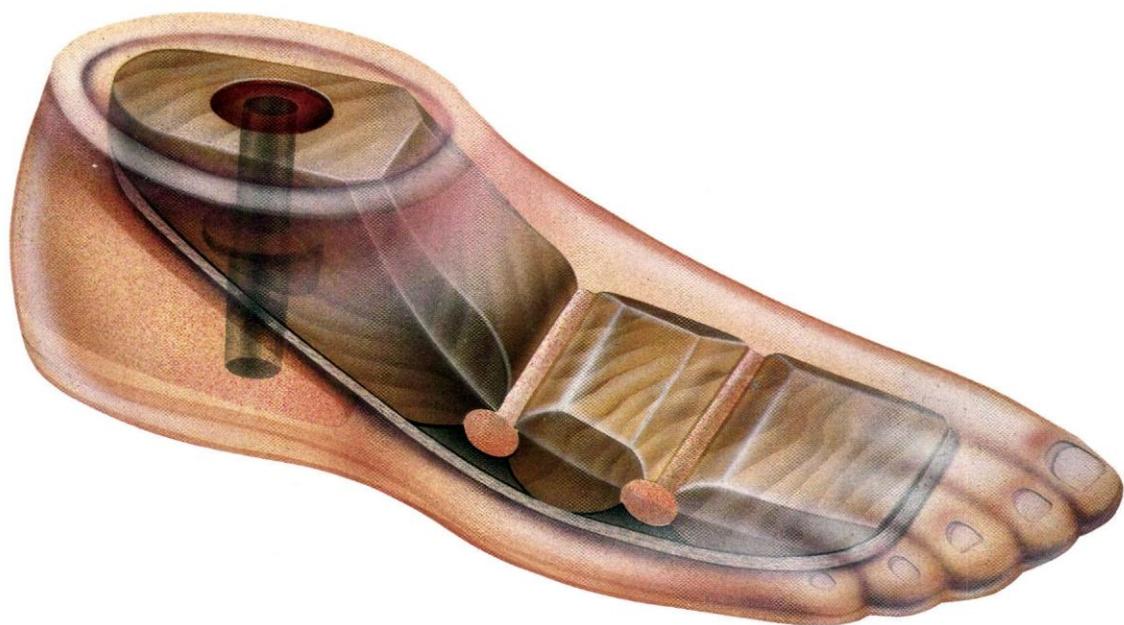
**Tina-Laura Hittenberger, CO**—former member of *Orthotics and Prosthetics* editorial board and chairperson of the 1988 AOPA Scientific Seminars

The editor and members of the editorial board were jointly appointed by the Presidents of AOPA and the Academy.

Thank you for your support. If you have any questions concerning the new journal, please feel free to call or write Sharada Gilkey, Managing Editor, *Journal of Prosthetics and Orthotics*, 717 Pendleton Street, Alexandria, Virginia 22314; (703) 836-7119.

Sincerely,  
Larry Lange, C.P.O.  
Editor

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# Orthotics and Prosthetics

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Summer, 1988

Volume 42, Number 2

Meetings and Events	4
Ad Index and Hotline	14
How To Use This Index	21
<hr/>	
AUTHOR—TITLE—SUBJECT INDEX	25
A-G	28
H-P	41
Q-Z	56
<hr/>	
ARTICLE INDEX	70
<b>Orthotics</b>	
A-G	70
H-P	71
Q-Z	73
<b>Prosthetics</b>	
A-G	75
H-P	76
Q-Z	78
<hr/>	
SUBJECT INDEX	80
<b>Orthotics</b>	
Lower Extremity	80
Spinal	83
Upper Extremity	84
Materials and Methods	84
Seating	85
Education	85
Patient Care Management	85
<b>Prosthetics</b>	
Lower Extremity	85
Upper Extremity	88
Materials and Methods	89
Education	89
Patient Care Management	90
<hr/>	
Book Reviews	92
Classified Ads	95

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# Calendar of Events

Please notify the National Office immediately concerning all meeting dates. It is important to submit meeting notices as early as possible. In the case of Regional Meetings, you must check with the National Office prior to confirming date to avoid conflicts in scheduling.

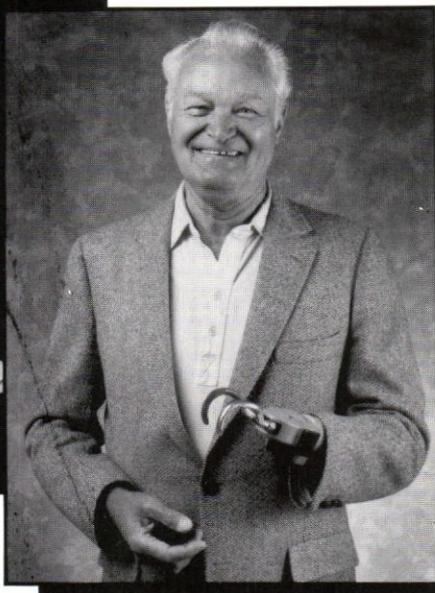
## 1988

- July 16, 17, 18,** AFI-ENDOLITE Prosthetic Certificate Course, "Endolite High Technology Prosthesis," Miami Lakes Inn & Country Club, Miami, Florida. Contact: Karen Hewitt, Registrar, AFI-ENDOLITE, 2480 West 82 Street, Hialeah, Florida 33016; (305) 823-8300.
- July 21-24,** American Orthopedic Foot and Ankle Society 4th Annual Summer Meeting, St. Paul, Minnesota. Contact: Society Office, 222 S. Prospect Avenue, Suite 127, Park Ridge, Illinois 60068; (312) 698-1626.
- July 27-29,** Hosmer Electric Systems Workshop, University of Washington, Seattle, Washington. Contact: Catherine Wooten, Hosmer Dorrance Corporation, 561 Division Street, Campbell, California 95008; (408) 379-5151 or (800) 538-7748.
- July 27, 28, 29,** AFI-ENDOLITE Prosthetic Certificate Course, "Endolite High Technology Prosthesis," Miami Lakes Inn & Country Club, Miami, Florida. Contact: Karen Hewitt, Registrar, AFI-ENDOLITE, 2480 West 82 Street, Hialeah, Florida 33016; (305) 823-8300.
- August 8-21,** ABC CPM Examination, University of Texas, Dallas, Texas. Contact: ABC National Office, (703) 836-7114.
- August 10, 11, 12,** AFI-ENDOLITE Prosthetic Certificate Course, "Endolite High Technology Prosthesis," Miami Lakes Inn & Country Club, Miami, Florida. Contact: Karen Hewitt, Registrar, AFI-ENDOLITE, 2480 West 82 Street, Hialeah, Florida 33016; (305) 823-8300.
- August 13, 14, 15,** AFI-ENDOLITE Prosthetic Certificate Course, "Endolite High Technology Prosthesis," Miami Lakes Inn & Country Club, Miami, Florida. Contact: Karen Hewitt, Registrar, AFI-ENDOLITE, 2480 West 82 Street, Hialeah, Florida 33016; (305) 823-8300.
- August 15,** ABC Technician Examination application deadline. Contact: ABC National Office, (703) 836-7114.
- August 20, 21,** Two one-day courses on "Computer Automation for Prosthetic and Orthotic Facilities," Florida International University, Miami, Florida. Contact: Geza Kogler, CO, FIU, Prosthetic/Orthotic Dept., University Park, Miami, Florida 33199; (305) 554-2932.
- August 24, 25, 26,** AFI-ENDOLITE Prosthetic Certificate Course, "Endolite High Technology Prosthesis," Miami Lakes Inn & Country Club, Miami, Florida. Contact: Karen Hewitt, Registrar, AFI-ENDOLITE, 2480 West 82 Street, Hialeah, Florida 33016; (305) 823-8300.
- September 3, 4, 5,** AFI-ENDOLITE Prosthetic Certificate Course, "Endolite High Technology Prosthesis," Miami Lakes Inn & Country Club, Miami, Florida. Contact: Karen Hewitt, Registrar, AFI-ENDOLITE, 2480 West 82 Street, Hialeah, Florida 33016; (305) 823-8300.
- September 5-9,** 16th World Congress of Rehabilitation International, "Realistic Approaches: Looking Ahead Towards Comprehensive Rehabilitation," Tokyo, Japan. Contact: Japanese Society of Rehabilitation of the Disabled, 13-15 3-Chrome, Higashi-Ikebukoro, Toshima-ku, Tokyo, Japan.
- September 7-11,** AAOS—The Summer Institute, San Diego, California. Contact: American Academy of Orthopaedic Surgeons, 222 S. Prospect Avenue, Park Ridge, Illinois 60068.
- September 9-10,** Annual Fall Meeting of the Ohio Orthotics and Prosthetics Association, Radisson Hotel, Columbus, Ohio. Contact: O.O.P.A. and Ohio A.A.O.P. State Office, 4355 N. High Street, #208, Columbus, Ohio 43214; (614) 267-1121.

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- September 12-16**, Dundee '88: International Conference on Wheelchairs and Special Seating, Dundee, Scotland. Contact: Dundee '88 Secretariat, c/o Dundee Limb Fitting Centre, 133 Queen Street, Broughty Ferry, Dundee DD5 1AG, Scotland.
- September 14-16**, Hosmer Dorrance Systems Workshop, Tulane University, New Orleans, Louisiana. Contact: Catherine Wooten, Hosmer Dorrance Corporation, 561 Division Street, Campbell, California 95008; (408) 379-5151 or (800) 538-7748.
- September 14, 15, 16**, AFI-ENDOLITE Prosthetic Certificate Course, "Endolite High Technology Prosthesis," Miami Lakes Inn & Country Club, Miami, Florida. Contact: Karen Hewitt, Registrar, AFI-ENDOLITE, 2480 West 82 Street, Hialeah, Florida 33016; (305) 823-8300.
- September 15**, ABC Written/Visual and CPM Examination application deadline. Contact: ABC National Office, (703) 836-7114.
- September 15-16**, ABC Technician Examination, Spokane Falls, Washington. Contact: ABC National Office, (703) 836-7114.
- September 23-24**, Academy Continuing Education Conference 4-88, "Spinal Orthotics and Seating," Holiday Inn at Kansas City Airport, Kansas City, Missouri. Contact: Academy National Headquarters, (703) 836-7118.
- September 23-24**, Academy Continuing Education Conference 5-88 and Northern California Chapter Combined Meeting, "Current Clinical and Technical Concepts in Lower Limb Prosthetics and Orthotics," San Francisco Airport Hilton, San Francisco International Airport. Contact: Academy National Headquarters, (703) 836-7118.
- September 23-24**, Freeman Orthotic Fitters Training Workshop, Seattle, Washington. For more information, write: Freeman, Drawer J, Sturgis, Michigan 49091, or call Cameron Brown, 1-800-253-2091.
- September 23-27**, Canadian Association of Physical Medicine and Rehabilitation Annual Meeting, Ottawa, Ontario, Canada. Contact: Canadian Association of Physical Medicine and Rehabilitation, c/o University Hospital, 338 Windermere Road, London N6A 5A5, Canada.
- September 24**, Academy Northern California Chapter Seminar, San Francisco, California. Contact: Robert A. Bangham, CO, c/o Hittenbergers, 1117 Market Street, San Francisco, California 94103.
- September 24-25**, Northwest Chapter of Academy Meeting, Red Lion Hotel, Janzen Beach, Portland, Oregon. Contact: Glenn Kays, CPO, (503) 287-0459.
- September 26-30**, "Fitting Procedures for Utah Artificial Arm and Hand System," Newington Children's Hospital, Hartford, Connecticut. Contact: Harold Sears, Ph.D., 95 South Eliot, #105, Chapel Hill, North Carolina 27514; (919) 968-8492, or 1-800-621-3347.
- September 28, 29, 30**, AFI-ENDOLITE Prosthetic Certificate Course, "Endolite High Technology Prosthesis," Miami Lakes Inn & Country Club, Miami, Florida. Contact: Karen Hewitt, Registrar, AFI-ENDOLITE, 2480 West 82 Street, Hialeah, Florida 33016; (305) 823-8300.
- September 29**, The AAOS Course "Spinal Deformity: What's the Latest and What's the Best," Course chairman Ronald L. DeWald, MD, Baltimore, Maryland. Contact: American Academy of Orthopaedic Surgeons, 222 S. Prospect Avenue, Park Ridge, Illinois 60068.
- October 7-8**, Academy New York State Chapter Scientific Seminar, Long Island, New York. Contact: Marty Mandelbaum, CPO, 5225-21 Nesconset Highway, Port Jefferson Station, New York 11776; tel. (516) 473-8668.
- October 12, 13, 14**, AFI-ENDOLITE Prosthetic Certificate Course, "Endolite High Technology Prosthesis," Miami Lakes Inn & Country Club, Miami, Florida. Contact: Karen Hewitt, Registrar, AFI-ENDOLITE, 2480 West 82 Street, Hialeah, Florida 33016; (305) 823-8300.

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- October 15-16**, ABC Written/Visual Examination. Contact: ABC National Office for locations, (703) 836-7114.
- October 15, 16, 17**, AFI-ENDOLITE Prosthetic Certificate Course, "Endolite High Technology Prosthesis," Miami Lakes Inn & Country Club, Miami, Florida. Contact: Karen Hewitt, Registrar, AFI-ENDOLITE, 2480 West 82 Street, Hialeah, Florida 33016; (305) 823-8300.
- October 19, 20, 21**, AFI-ENDOLITE Prosthetic Certificate Course, "Endolite High Technology Prosthesis," Miami Lakes Inn & Country Club, Miami, Florida. Contact: Karen Hewitt, Registrar, AFI-ENDOLITE, 2480 West 82 Street, Hialeah, Florida 33016; (305) 823-8300.
- October 22-24**, Prescription Footwear Association Annual Meeting and Pedorthic Symposium, "Pedorthic Management of Diabetic Foot Disorders." Mayflower Hotel, Washington, D.C. Contact: PFA, 9861 Brokenland Parkway, Columbia, Maryland 21046; (301) 381-7278.
- October 25-30**, AOPA Annual National Assembly, Sheraton Washington Hotel, Washington, D.C. Contact: Katie Register, AOPA National Headquarters, (703) 836-7116.
- October 27-28**, ABC Board of Director's Meeting, Washington, D.C. Contact: ABC National Office, (703) 836-7116.
- October 28-November 18**, 1988 Harmarville International, Pittsburgh, Pennsylvania. Contact: Myra Landau, Harmarville Rehabilitation Center, Box 11460, Guys Run Road, Pittsburgh, Pennsylvania 15238; (412) 828-1300, ext. 404.
- October 30-November 4**, American Congress of Rehabilitation Medicine Annual Meeting, Convention Center, Seattle, Washington. Contact: American Congress of Rehabilitation Medicine, Suite 1310, 130 S. Michigan Avenue, Chicago, Illinois 60603-6110.
- November 2-4**, Fourth Annual Conference, "Computer Technology/Special Education/Rehabilitation." Contact: Dr. Harry J. Murphy, California State University, Northridge, 18111 Nordhoff Street, Northridge, California 91330; (818) 885-2578.
- November 2, 3, 4**, AFI-ENDOLITE Prosthetic Certificate Course, "Endolite High Technology Prosthesis," Miami Lakes Inn & Country Club, Miami, Florida. Contact: Karen Hewitt, Registrar, AFI-ENDOLITE, 2480 West 82 Street, Hialeah, Florida 33016; (305) 823-8300.
- November 6-9**, The Twelfth Annual Symposium on Computer Applications in Medical Care, Sheraton Washington Hotel, Washington, D.C. Contact: Robert A. Greenes, MD, SCAMC, Office of CMS, The George Washington University Medical Center, 2300 K Street, N.W., Washington, D.C. 20037; (202) 994-8923.
- November 9-12**, International Medical, Hospital, & Dental Equipment Technology Exhibition and Conference, 6th presentation, Singapore. Contact: Interfama Trade Fairs Pte., Ltd.
- November 12**, Midwest Chapter of the American Academy of Orthotists and Prosthetists Fall Scientific Seminar, Northwestern University, Chicago, Illinois. Contact: Arnel Hope Dobrin, Northwestern University's Prosthetic-Orthotic Center, 345 E. Superior Street, 17th Floor, Chicago, Illinois 60611; (312) 908-8006.
- November 12**, Southern California Chapter of the Academy Fall Seminar, Marriott Hotel, Anaheim, California. Contact: George "Sandy" Hargrave, CO, Chapter President, (714) 557-4645.
- November 12, 13, 14**, AFI-ENDOLITE Prosthetic Certificate Course, "Endolite High Technology Prosthesis," Miami Lakes Inn & Country Club, Miami, Florida. Contact: Karen Hewitt, Registrar, AFI-ENDOLITE, 2480 West 82 Street, Hialeah, Florida 33016; (305) 823-8300.
- November 16, 17, 18**, AFI-ENDOLITE Prosthetic Certificate Course, "Endolite High Technology Prosthesis," Miami Lakes Inn & Country Club, Miami, Florida. Contact: Karen Hewitt, Registrar, AFI-ENDOLITE, 2480 West 82 Street, Hialeah, Florida 33016; (305) 823-8300.

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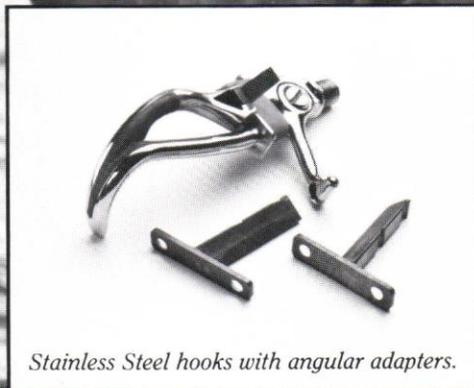
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**December 3-6**, Innovative and Controversial Strategies in Rehabilitation, Sheraton Bal Harbour, Bal Harbour, Miami Beach, Florida. Contact: Division of CME D23-2, University of Miami School of Medicine, P.O. Box 016960, Miami, Florida 33101; (305) 547-6716.

**December 5-9**, "Fitting Procedures for the Utah Artificial Arm and Hand System," UCLA, Los Angeles, California. Contact: Harold Sears, Ph.D., 95 South Eliot, #105, Chapel Hill, North Carolina 27514; (919) 968-8492; or 1-800-621-3347.

**December 13-16**, Healthcare 2000 and Interhealth 88, International Health Care Conference and Exhibition, Hong Kong Convention and Exhibition Center. Contact: Business and Industrial Group USA, Inc., 1327 Conwed Tower, 444 Cedar Street, St. Paul, Minnesota 55107.

## 1989

**January 31-February 5**, Academy Annual Meeting and Scientific Symposium, Stouffer Orlando Resort, Orlando, Florida. Contact: Academy National Office, (703) 836-7118.

**February 9-19**, American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, Nevada.

**May 10-13**, International Trade Fair and Congress for Orthopaedics and Rehabilitation Technology. Contact: NMA Nurnberg Messeund, Ausstellungs-gesellschaft mbH, Objektleitung, Messenzentrum, D-8500, Nurnberg 50, West Germany.

**May 12-14**, AOPA Region IX, COPA, and the California Chapters of the Academy Combined Annual Meeting.

**May 18-20**, AOPA Region V Annual Meeting, Hotel Sofitel, Toledo, Ohio.

**May 18-20**, The Second S.M. Dinsdale International Conference in Rehabilitation, "Visions and Controversies in Rehabilitation," hosted by the Royal Ottawa Re-

gional Rehabilitation Centre, Ottawa, Ontario. Contact: Information Department, (613) 737-7350, ext. 602.

**June 5-9**, European Congress of Physical Medicine and Rehabilitation '89, Complutense University of Madrid. Contact: Congreso Europeo de Medicina Fisica y de Rehabilitacion, Catedra de Rehabilitacion, Facultad de Medicina, Universidad Complutense, Ciudad Universitaria 28040, Madrid.

**June 13-18**, Regions VII, VIII, X, and XI Meeting, Embassy Suites Hotel, Downtown Denver, Colorado. Contact: Robert Schlesier, CPO, (303) 234-1756.

**October 2-8**, AOPA Annual National Assembly, Bally's Hotel, Reno, Nevada. Contact: Katie Register, AOPA National Headquarters, (703) 836-7116.

**November 12-17**, International Society for Prosthetics and Orthotics VI World Congress, Kobe Convention Center, Kobe, Japan. Contact: VI ISPO World Congress, Secretariat, c/o International Conference Organizers, Inc., 5A Calm Building, 4-7, Akasaka 8-chome, Minato-ku, Tokyo, 107 Japan.

## 1990

**January 22-28**, Academy Annual Meeting and Scientific Symposium, Hyatt Regency Hotel, Phoenix, Arizona. Contact: Academy National Office, (703) 836-7118.

**February 8-13**, American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, Louisiana.

**May 11-13**, AOPA Region IX, COPA, and the California Chapters of the Academy Combined Annual Meeting.

**June 15-20**, RESNA Rehabilitation Technology 13th Annual Conference, Washington Hilton Hotel, Washington, D.C.



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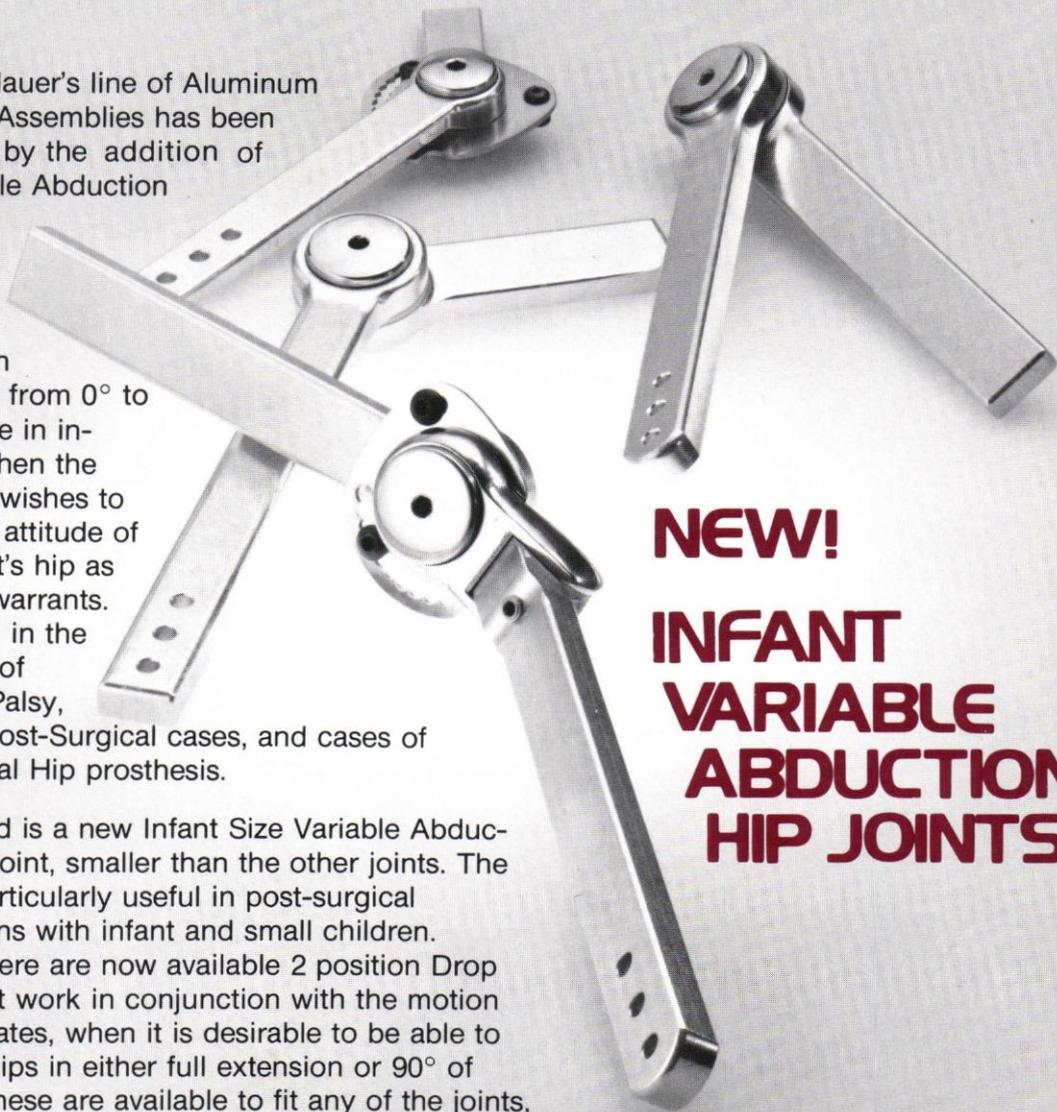
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**June 27–July 1**, Region V and VI Combined Annual Meeting, Amway Grand Plaza Hotel, Grand Rapids, Michigan. Contact: Bob Leimkuehler, CPO.

**September 11–16**, AOPA Annual National Assembly, Sheraton Boston Hotel, Boston, Massachusetts. Contact: Katie Register, AOPA National Headquarters, (703) 836-7116.

## 1991

**March 19–24**, Academy Annual Meeting and Scientific Symposium, Town and Country Hotel, San Diego, California. Contact: Academy National Office, (703) 836-7118.

**October 1–6**, AOPA Annual National Assembly, Disneyland Hotel, Anaheim, California. Contact: AOPA National Office, (703) 836-7116.

### Ad Index and Hotline

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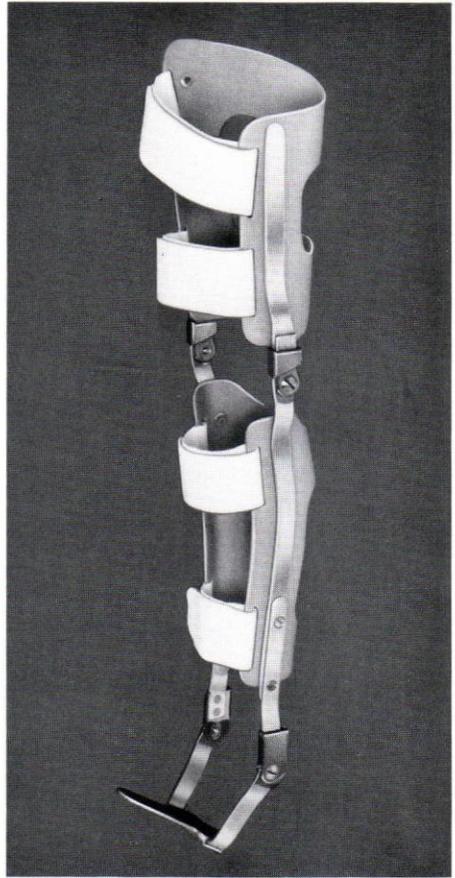
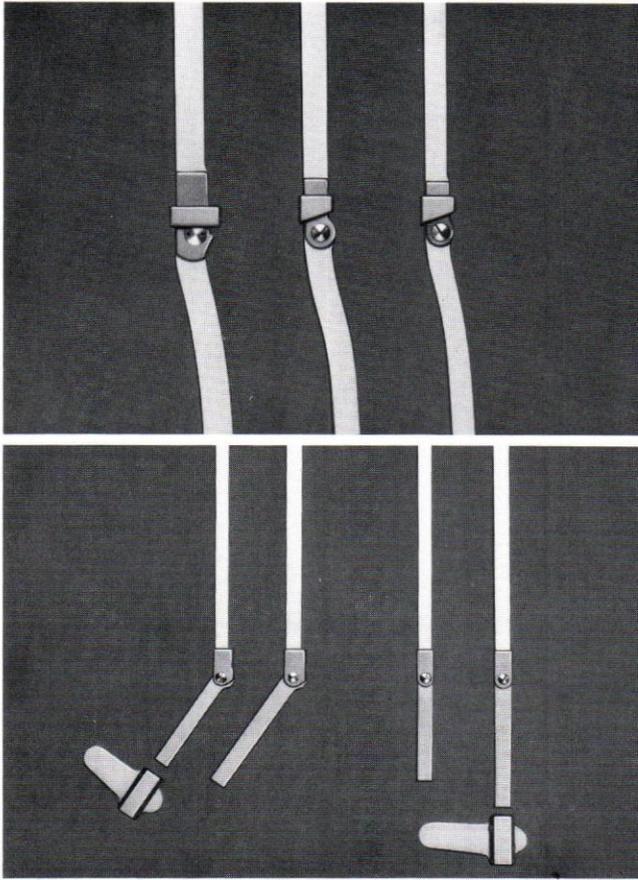
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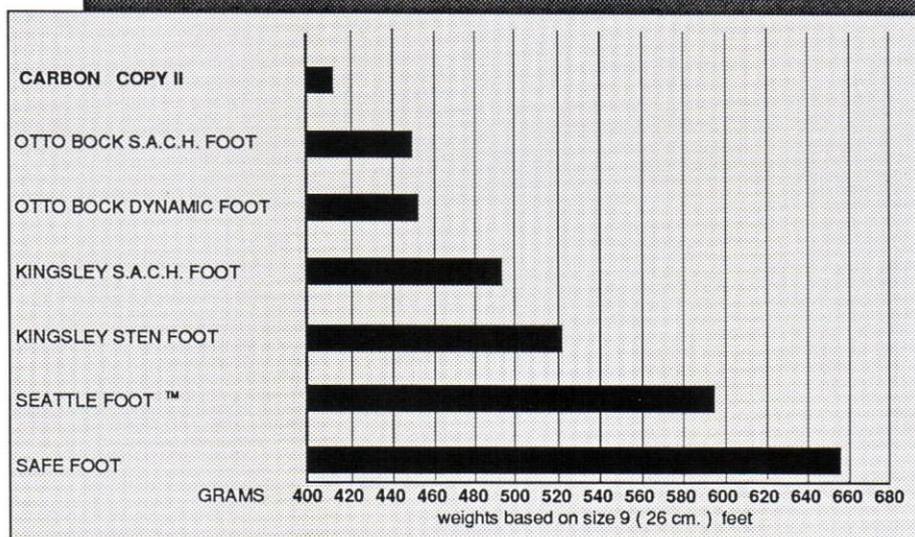
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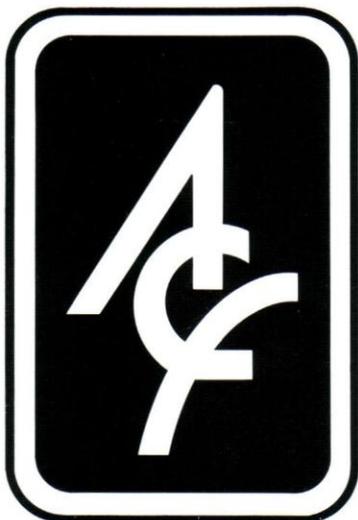
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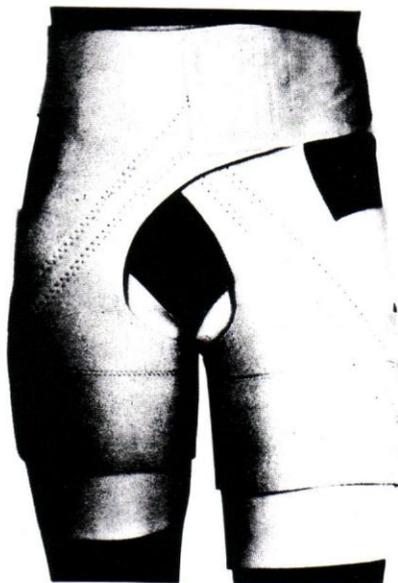
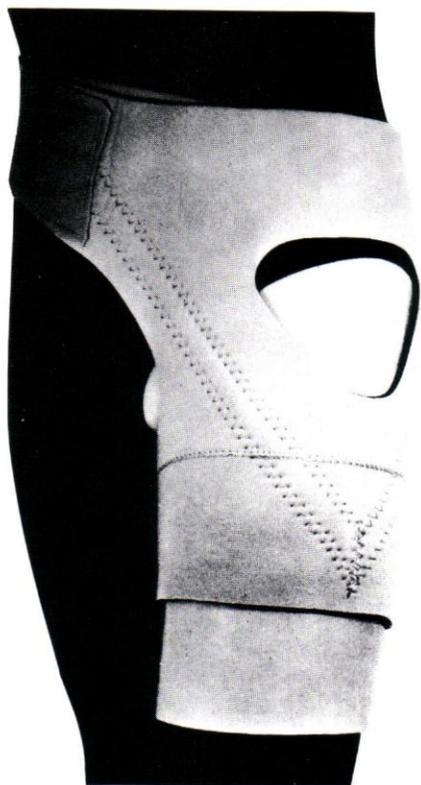
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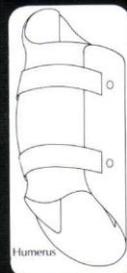
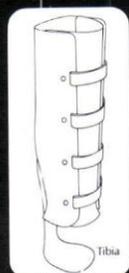
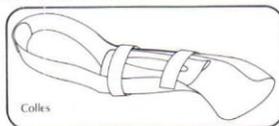
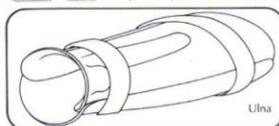
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This Index to *Orthotics and Prosthetics* is designed for easy use by the orthotic/prosthetic practitioner, researcher, and student. The index includes every article which appeared in the journal from 1975-1985, listed by author and cross-indexed by title and subject. Where possible, articles are listed in more than one topic area for more thorough referencing. Articles in the title index are listed alphabetically. Articles in the subject index are listed chronologically.

The Author Index is arranged alphabetically by both lead author and collaborative authors. These names are listed alphabetically. Because certification and degree designations change, and an author may have had an article published under different designations, these have been omitted from the Index.

## O&P JOURNAL INDEX CATEGORIES

- I. Orthotics (O)
  - A. Lower Extremity (LE)
    - 1. Foot (F)
    - 2. Ankle Foot (AF)
    - 3. Knee (K)
    - 4. Knee Ankle Foot (KAF)
    - 5. Hip (H)
    - 6. Hip Knee Ankle Foot (HKAF)
    - 7. Adjunct or Assistive Devices (AA)
  - B. Spinal (S)
    - 1. Lumbo Sacral (LS)
    - 2. Thoraco Lumbo Sacral (TLS)
    - 3. Cervico Thoraco Lumbo Sacral (CTLS)
    - 4. Cervical (C)
    - 5. Cervical Thoracic (CT)
  - C. Upper Extremity (UE)
    - 1. Hand (H)
    - 2. Wrist Hand (WH)
    - 3. Elbow (E)
    - 4. Elbow Wrist Hand (EWH)
    - 5. Shoulder Elbow Wrist Hand (SEWH)
    - 6. Adjunct or Assistive Devices (AA)
  - D. Materials and Methods (MM)
  - E. Seating Systems (SS)
  - F. Education (ED)
  - G. Patient Care and Management (PCM)
- II. Prosthetics (P)
  - A. Lower Extremity (LE)
    - 1. Foot (F)
    - 2. Below-Knee (BK)
    - 3. Above Knee (AK)
    - 4. Hip (H)
    - 5. Adjunct or Assistive Devices (AA)
  - B. Upper Extremity (UE)
    - 1. Hand (H)
    - 2. Below Elbow (BE)
    - 3. Above Elbow (AE)
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Every effort has been made to create a document which is accessible to all potential users. As this is the most ambitious indexing project of *Orthotics and Prosthetics* to date, it is not inconceivable that there are some errors in this edition. The intent of this publication is to create a base from which future indices may be published. With that in mind, readers are encouraged to ask questions and point out mistakes. Please forward these to:

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We welcome all suggestions; This Index is for your use.

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## FROM THE PUBLISHER

The publication of this *Orthotics and Prosthetics* Index was a formidable task. The last index published by AOPA, spanning five years, was completed in 1976.

Most of the credit for this publication goes to Gary O. Fessenden, CP, who volunteered his time and effort for this project. With assistance from *Orthotics and Prosthetics* Editor Lawrence R. Lange, CPO, and Consulting Editor Joseph M. Cestaro, CPO, Gary created the database from which AOPA could publish this document. Invaluable assistance was also provided by Brion Caryn who did data entry.

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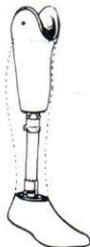
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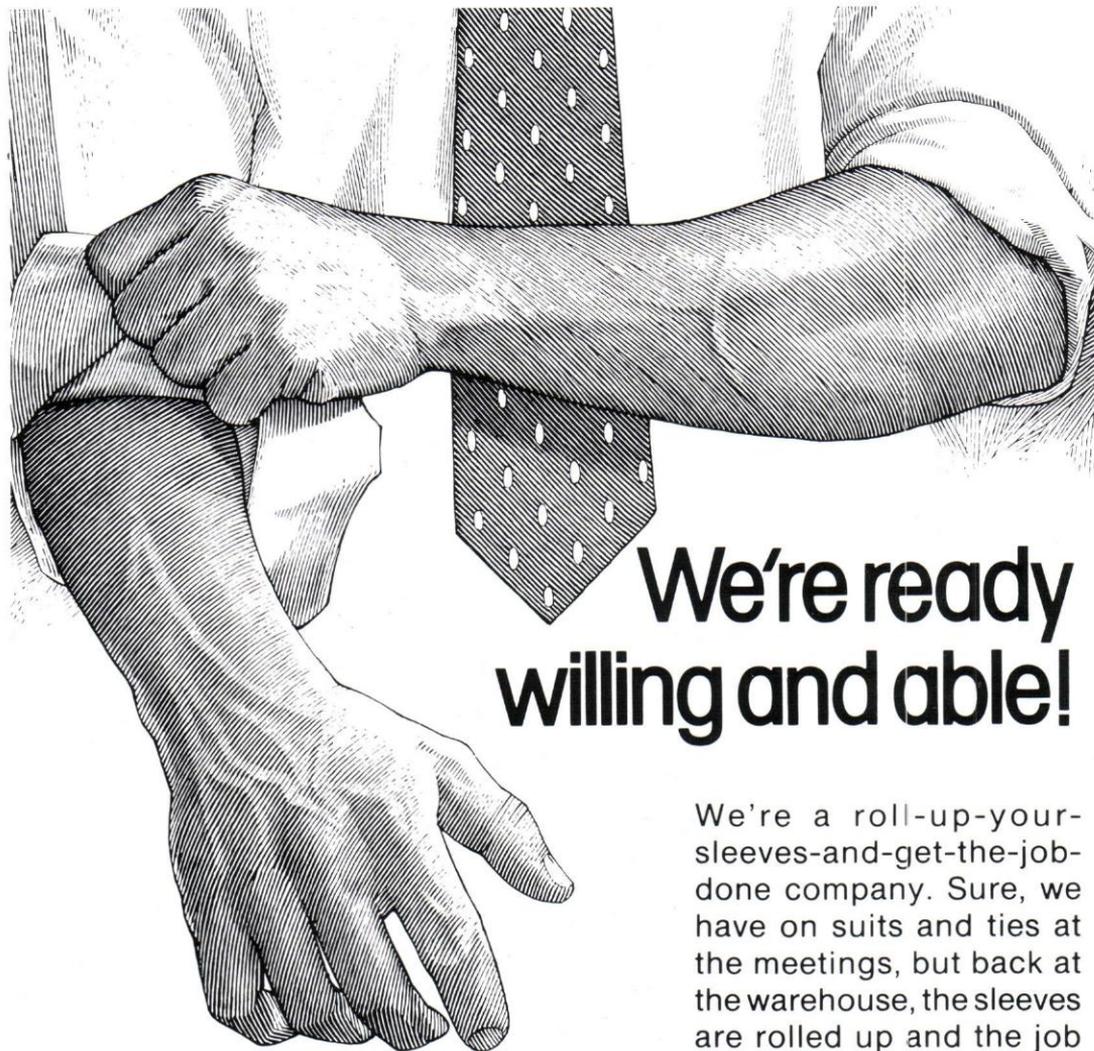
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# Author—Title—Subject Index: *Orthotics and Prosthetics* 1975-1985

Author	Title	Subject
	Associate of Arts Program: "Dutchess Community College," Volume 38, Number 2, 1984, p. 70.	P-ED
	Practitioner Level Education Programs: "Department of Army—Fort Sam Houston Certificate Program," Volume 36, Number 3, 1982, p. 44.	P-ED
	Practitioner Level Education Programs: "916 Area Vocational Technical Institute Certificate Program," Volume 36, Number 3, 1982, p. 34.	P-ED
	Practitioner Level Education Programs: "California State University—Rancho los Amigos Hospital Baccalaureate Program," Volume 36, Number 3, 1982, p. 47.	P-ED
	Practitioner Level Education Programs: "Department of Army—Fort Sam Houston Certificate Program," Volume 36, Number 3, 1982, p. 44.	O-ED
	Practitioner Level Education Programs: "Institute of Rehabilitation Medicine, NYU Medical Center Certificate Program," Volume 36, Number 3, 1982, p. 37.	P-ED
	Practitioner Level Education Programs: "New York University Certificate Program," Volume 36, Number 3, 1982, p. 20.	O-ED
	Practitioner Level Education Programs: "New York University Baccalaureate Program," Volume 36, Number 3, 1982, p. 18.	O-ED
	Practitioner Level Education Programs: "Northwestern University Certificate Program," Volume 36, Number 3, 1982, p. 22.	O-ED
	Practitioner Level Education Programs: "Rancho los Amigos Hospital—Cal State University, Dominguez Hills Certificate Program," Volume 36, Number 3, 1982, p. 32.	O-ED

Author	Title	Subject
	Practitioner Level Education Programs: "Shelby State Community College Associate of Arts Certificate Program," Volume 36, Number 3, 1982, p. 46.	P-ED
	Practitioner Level Education Programs: "University of California at Los Angeles Certificate Program," Volume 36, Number 3, 1982, p. 24.	O-ED
	Practitioner Level Education Programs: "University of Texas Baccalaureate Program," Volume 36, Number 3, 1982, p. 38.	O-ED
	Practitioner Level Education Programs: "University of Washington Baccalaureate Program," Volume 36, Number 3, 1982, p. 29.	O-ED
	Practitioner Programs—Baccalaureate: "California State University, Dominguez Hills," Volume 38, Number 2, 1984, p. 21.	O-ED
	Practitioner Programs—Baccalaureate: "New York University," Volume 38, Number 2, 1984, p. 27.	O-ED
	Practitioner Programs—Baccalaureate: "University of Texas," Volume 38, Number 2, 1984, p. 31.	O-ED
	Practitioner Programs—Baccalaureate: "University of Washington," Volume 38, Number 2, 1984, p. 37.	O-ED
	Practitioner Programs—Certificate: "916 Area Vo-Tech-University of Minnesota," Volume 38, Number 2, 1984, p. 59.	O-ED
	Practitioner Programs—Certificate: "Shelby State Community College (combined with A.A.S.)," Volume 38, Number 2, 1984, p. 62.	P-ED
	Practitioner Programs—Certificate: "University of Strathclyde (Scottish Program)," Volume 38, Number 2, 1984, p. 66.	P-ED
	Practitioner Programs—Certificate: "Florida International University," Volume 38, Number 2, 1984, p. 53.	P-ED
	Practitioner Programs—Certificate: "New York University," Volume 38, Number 2, 1984, p. 55.	P-ED
	Practitioner Programs—Certificate: "Northwestern University," Volume 38, Number 2, 1984, p. 57.	O-ED

<b>Author</b>	<b>Title</b>	<b>Subject</b>
	Practitioner Programs—Certificate: "U.S. Department of the Army," Volume 38, Number 2, 1984, p. 44.	P-ED
	Practitioner Programs—Certificate: "University of California at Los Angeles," Volume 38, Number 2, 1984, p. 48.	O-ED
	Reports or Panels on "Lower-Limb Orthotics," Volume 31, Number 4, 1977, p. 65.	O-LE
	Reports or Panels on "Lower-Limb Prosthetics," Volume 31, Number 4, 1977, p. 54.	P-LE
	Reports or Panels on "Spinal Orthotics," Volume 31, Number 4, 1977, p. 67.	O-S
	Reports or Panels on "Upper-Limb Orthotics," Volume 31, Number 4, 1977, p. 61.	O-UE
	Reports or Panels on "Upper-Limb Prosthetics," Volume 31, Number 4, 1977, p. 47.	P-UE
	Residency Programs: "Newington Children's Hospital," Volume 38, Number 2, 1984, p. 80.	P-ED
	Residency Programs: "Newington Children's Hospital," Volume 36, Number 3, 1982, p. 58.	O-ED
	Residency Programs: "Shriners Hospital for Crippled Children—Philadelphia Unit," Volume 38, Number 2, 1984, p. 85.	O-ED
	Residency Programs: "University of Oklahoma," Volume 38, Number 2, 1984, p. 82.	P-ED
	Technician Level Education Programs: "916 Area Vocational Technical Institute," Volume 36, Number 3, 1982, p. 49.	O-ED
	Technician Level Education Programs: "Cerritos College," Volume 36, Number 3, 1982, p. 52.	O-ED
	Technician Level Education Programs: "Dutchess Community College," Volume 36, Number 3, 1982, p. 54.	O-ED
	Technician Level Education Programs: "University of Michigan University Hospital," Volume 36, Number 3, 1982, p. 56.	P-ED
	Technician Programs: "916 Area Vo-Tech—University of Minnesota," Volume 38, Number 2, 1984, p. 73.	P-ED

Author	Title	Subject
	Technician Programs: "Spokane Falls Community College," Volume 38, Number 2, 1984, p. 76.	P-ED
Albert, Stephen	"A Subjective Comparison of Spenco® and PPT™ Soft Tissue Supplements Used in Footgear," Volume 35, Number 3, 1981, p. 17.	O-MM
Albright, John, et al.	"The Iowa Knee Orthosis," Volume 32, Number 1, 1978, p. 20	O-LE-K
Almeida, Manuel J., et al.	"Plastics in Lower-Limb Orthotics," Volume 32, Number 1, 1978, p. 25.	O-MM
Alpert, Steven H.	"The Psychological Aspects of Amputation Surgery," Volume 36, Number 4, 1982, p. 50.	P-PCM
Altobelli, Anthony, et al.	"An Orthosis for Correction of Ulnar Deviation," Volume 29, Number 4, 1975, p. 33.	O-UE-WH
Ames, Mary D., et al.	"Crutch Walking and Functional Grasp in the Congenital Triple Amputee," Volume 33, Number 4, 1979, p. 19.	P-UE-AA
Anderson, E.G., et al.	"The Design and Prescription of Above-Knee Orthoses," Volume 31, Number 3, 1977, p. 31.	O-LE-AK
Arnold, William D., et al.	"An Ankle-Foot Orthosis for Immobilization of the Ankle," Volume 32, Number 3, 1978, p. 3.	O-LE-AF
Arthur, Maurice	"Whangarei Spina Bifida Orthosis (Technical Note)," Volume 34, Number 3, 1980, p. 46.	O-LE-HKAF
Baehr, Ernest, et al.	"A Quick-Change Ankle Disconnect for a Below-Knee Amputation," Volume 32, Number 1, 1978, p. 32.	P-LE-BK
Bahler, Andre	"Principles of Design for Lower Limb Orthotics," Volume 36, Number 4, 1982, p. 33.	O-LE-KAF
Baker, Bruce E., et al.	"Orthotic Management of the Knee Injuries in Athletics with Lenox Hill Orthosis," Volume 36, Number 4, 1982, p. 23.	O-LE-K
Bannell, William, et al.	"The Orthotic Management of Lumbar Lordosis and the Relationship to the Treatment of Thoraco-Lumbar Scoliosis and Juvenile Kyphosis," Volume 32, Number 2, 1978, p. 27.	O-S-CTLS

<b>Author</b>	<b>Title</b>	<b>Subject</b>
Bar, A., et al.	"A Prosthesis for Very Short Below-Knee Stumps," Volume 34, Number 1, 1980, p. 25.	P-LE-BK
	"Pneumatic Supracondylar Suspension for Knee-Disarticulation Prostheses," Volume 31, Number 3, 1977, p. 3.	P-LE-AK
Barber, Edward L.	"Modifications of a Maclaren Buggy Major for Orthopaedic Seat Inserts," Volume 32, Number 1, 1978, p. 6.	O-SS
Barcome, D.F., et al.	"Prosthetic Management of the High Bilateral Upper Limb Amputees," Volume 34, Number 3, 1980, p. 22.	P-UE-S
Baron, Eric, et al.	"The Two Stage Myoelectric Hand for Children and Young Adults," Volume 37, Number 2, 1983, p. 11.	P-UE-BE
Batzdorff, Jonathan	"A Non-Standard Above-Elbow Prosthesis for a Mutiply Handicapped Patient," Volume 30, Number 3, 1976, p. 37.	P-UE-AE
Bayne, S.C., et al.	"Materials Investigation of Failed Plastic Ankle-Foot Orthoses," Volume 29, Number 3, 1975, p. 25.	O-LE-AF O-MM
Beadle, C.W., et al.	"Kinematic Analysis of the Human Elbow," Volume 30, Number 1, 1976, p. 31.	P-PCM
Beck, Karen, et al.	"Mobility Aids and Prostheses for a Child with Four Anomalous Limbs," Volume 36, Number 4, 1982, p. 29.	P-LE-AA
Beets, Carrie Louise, et al.	"Orthoses and the Dynamic Knee: A Basic Overview," Volume 39, Number 2, 1985, p. 33.	O-LE-K
Belton, D., et al.	"Ice-Water Quenching Technique for Polypropylene," Volume 33, Number 1, 1979, p. 16.	O-MM
Bender, Leonard F., et al.	"Meeting the Challenge of Partial Hand Amputations," Volume 30, Number 1, 1976, p. 3.	P-UE-H
Bensman, Alan S., et al.	"A New Ankle-Foot Orthosis Combining the Advantages of Metal and Plastics," Volume 33, Number 1, 1979, p. 3.	O-LE-AF
Benton, Willard F.	"A Tri-Correctional Upper-Limb Orthosis," Volume 34, Number 1, 1980, p. 41.	O-UE-EWH
Berger, Norman, et al.	"A Survey of Prosthetics Practice—1973-74," Volume 29, Number 3, 1975, p. 15.	P-PCM

Author	Title	Subject
	"The Application of ISNY Principles to the Below-Knee Prostheses," Volume 39, Number 4, 1986, p. 16.	P-UE-BE
Berglund, Gene, et al.	"An Effective Orthotic Design for Controlling the Unstable Subtalar Joint," Volume 33, Number 1, 1979, p. 39.	O-LE-F
Berretta, G., et al.	"A New Non-Invasive Halo Orthosis for Immobilization of the Cervical Spine," Volume 32, Number 1, 1978, p. 16.	O-S-CT
Berthet, Marcel, et al.	"The P.A.D.—A New Alignment Device for Prosthetic Systems (The Case of an A.K. Endoskeletal Prosthesis)," Volume 38, Number 4, 1984, p. 58.	P-LE-AK
Bhala, Ram P., et al.	"Golf Club Holding Devices for Upper Limb Amputees (Technical Note)," Volume 36, Number 4, 1982, p. 62.	P-UE-AA
Bianchi, Edward A., et al.	"A Low Cost Vacuum-Forming System," Volume 30, Number 1, 1976, p. 23.	P-MM
Biederman, W.G.	"Management of Short Above-Knee Amputees," Volume 30, Number 4, 1976, p. 21.	P-LE-AK
Bird, David A., et al.	"Orthoses for Rheumatoid Fingers," Volume 34, Number 2, 1980, p. 25.	O-UE-H
Black, Lynette K.	"ORTHOSIL Silicone Gel for Pads and Soft Insert Liners (Technical Note)," Volume 37, Number 4, 1983, p. 58.	P-LE
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	"Juvenile Amputees Classification and Revision Rates," Volume 36, Number 2, 1982, p. 22.	P-PCM
	"Terminal Transverse Congenital Limb Deficiency of the Forearm," Volume 35, Number 3, 1981, p. 22.	P-UE-BE
Bleck, Eugene E., et al.	"Another Use for a Standing Orthosis," Volume 30, Number 3, 1976, p. 29.	P-LE-BK
	"To 'Walk' or Ride?," Volume 30, Number 3, 1976, p. 33.	P-MM P-PCM

Author	Title	Subject
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Brand, Paul W., et al.	"The Orthotic Care of the Denervated Foot in Hansen's Disease," Volume 30, Number 1, 1976, p. 33.	O-LE-F
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Breakey, James W., et al.	"Clinical Experience and Functional Considerations of Axial Rotators for the Amputee," Volume 31, Number 2, 1977, p. 29.	P-LE
Bremer, Karl W., Jr.	"A New Concept in the Fabrication of Double Upright Orthosis (Technical Note)," Volume 38, Number 3, 1984, p. 69.	O-MM
Brett, R., et al.	"A Comparison of Some Gait Characteristics with Six Knee Joints," Volume 29, Number 3, 1975, p. 33.	P-LE-AK
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Brook, Judith A., et al.	"Patterns of Acceptance and Rejection of Upper Limb Prostheses," Volume 39, Number 2, 1985, p. 40.	P-UE P-PCM

Author	Title	Subject
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	"Parapodium Design with Knee and Hip Locks," Volume 34, Number 2, 1980, p. 14.	O-LE-HKAF
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Brownrigg, Philip, et al.	"The Negative Anatomically Modified Foot Orthosis (NAMFO)," Volume 37, Number 3, 1983, p. 24.	O-LE-F
Brundy, Joseph	"New Orthosis for Treatment of Hemiplegic Shoulder Subluxation," Volume 39, Number 3, 1985, p. 14.	O-UE-SEWH
Buckner, Horst E.	"Cosmetic Hand Prosthetics—A Case Report (Technical Note)," Volume 34, Number 3, 1980, p. 41.	P-UE-H
Buckwalter, Joseph A., et al.	"Hip Disarticulation: A Prosthetic Follow-Up," Volume 37, Number 3, 1983, p. 50	P-LE-H
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Burnette, Paul, et al.	"A Revised A/K Adjustable Socket," Volume 37, Number 3, 1983, p. 38.	P-LE-AK
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<b>Author</b>	<b>Title</b>	<b>Subject</b>
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Campbell, John W., et al.	"The S.A.F.E. Foot," Volume 34, Number 3, 1980, p. 3.	P-LE-F
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Author	Title	Subject
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Dinin, Rebecca M., et al.	"Case Report: Use of Rib Compression Belt for Pain in Osteoporosis," Volume 39, Number 2, 1985, p. 75.	O-S-LS
Dixon, M., et al.	"VAPC Prescription Procedures for Knee Orthoses and Knee-Ankle-Foot Orthoses," Volume 31, Number 3, 1977, p. 9.	O-LE O-PCM
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Duggan, Michael B.	"The Demand for Orthotics and Prosthetics Technicians: Preliminary Survey Results," Volume 37, Number 3, 1983, p. 67.	O-ED P-ED
Eckhardt, Wayne A., et al.	"Orthotic Management of Thoraco-Lumbar Spine Fractures with a 'Total-Contact' Plastic TLSO," Volume 33, Number 3, 1979, p. 10.	O-S-TLS
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Ekus, Louis, et al.	"Prosthetics Management of the Cancer Patient with High Level Amputation," Volume 35, Number 2, 1981, p. 10.	P-LE-H
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Feldman, Robert S.	"Current Theories and Treatments Related to Phantom Limb Pain," Volume 35, Number 3, 1981, p. 26.	P-PCM
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Ficociello, J., et al.	"A Heat Generating Socket," Volume 31, Number 3, 1977, p. 41.	P-UE-BE
Field, Martha	"New Dimensions for Prosthetic Socks," Volume 32, Number 1, 1978, p. 10.	P-MM P-PCM
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Author	Title	Subject
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Fillauer, Carlton E., et al.	"Contemporary Trends in the Orthotic Management of Legg-Calve-Perthes Disease," Volume 39, Number 1, 1985, p. 62.	O-LE-HKAF
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	"Clinical Evaluation of an Acrylic Lax Material Used as a Prosthetic Skin on Limb Prosthesis," Volume 33, Number 4, 1979, p. 30.	P-LE P-MM
	"Fabrication and Fitting Instructions: Tri-lateral Perthes Orthosis," Volume 37, Number 4, 1983, p. 24.	O-LE-HKAF
	"Low Profile Contoured Ring," Volume 39, Number 4, 1986, p. 13.	O-S-CT
	"The Thoracic Suspension Jacket—Review of Principles and Fabrication," Volume 38, Number 1, 1984, p. 36.	O-S-TLS
Fillauer, Karl	"A Prosthesis for Foot Amputations Near the Tarsal-Metatarsal Junction," Volume 30, Number 3, 1976, p. 9.	P-LE-F
	"The Open Brace Ring Halo Orthosis," Volume 39, Number 3, 1985, p. 21.	O-S-CT
	"TRIO," Volume 38, Number 4, 1984, p. 34.	O-LE-K
Fillauer, Karl, et al.	"Experience with the Scandinavian Flexible Socket," Volume 39, Number 2, 1985, p. 17.	P-LE-AK
	"Low Profile Contoured Ring," Volume 39, Number 4, 1986, p. 13.	O-S-CT

<b>Author</b>	<b>Title</b>	<b>Subject</b>
	"Thermoplastic Body Jackets for Post-spinal Fusion Patients with Scoliosis," Volume 33, Number 3, 1979, p. 20.	O-S-TLS
Fischer, Erich	"Above Knee Polypropylene Pelvic Joint," Volume 30, Number 4, 1976, p. 41.	P-LE-AK
Fischer, Erich, et al.	"Lower Extremity Amputation Problems: Etiology, Manifestations and Prevention," Volume 39, Number 1, 1985, p. 47.	P-PCM P-LE
Fishman, Sidney, et al.	"A Survey of Prosthetics Practice—1973-74," Volume 29, Number 3, 1975, p. 15.	P-PCM
	"The Application of ISNY Principles to the Below-Elbow Prosthesis," Volume 39, Number 4, 1986, p. 16.	P-UE-BE
Foort, James, et al.	"Fabrication and Fitting of the CARS-UBC Knee Orthosis," Volume 30, Number 2, 1976, p. 3.	O-LE-K
	"An Orthosis for Medial or Lateral Stabilization of Arthritic Knees," Volume 29, Number 4, 1975, p. 21	O-LE-K
Ford, Fran, et al.	"To 'Walk' or Ride?," Volume 30, Number 3, 1976, p. 33	P-PCM
Fornuff, Donald L.	"A Modified Hook-to-Cable Adaptor," Volume 32, Number 4, 1978, p. 46.	P-UE-AE
Forsgren, Shirley M., et al.	"Planning and Producing Slide Presentations for Orthotics and Prosthetics," Volume 37, Number 1, 1983, p. 45.	O-ED P-ED
	"The Seattle Prosthetic Foot—A Design for Active Sports: Preliminary Studies," Volume 37, Number 1, 1983, p. 25.	P-LE-F
Foster, Robert, et al.	"The Genucentric Knee Orthosis—A New Concept," Volume 33, Number 2, 1979, p. 31.	O-LE-K
Foulds, Richard A., et al.	"A Low Cost Vacuum-Forming System," Volume 30, Number 1, 1976, p. 23.	O-MM P-MM
Freligh, David P., et al.	"Another Use for a Standing Orthosis," Volume 30, Number 3, 1976, p. 29.	O-LE-HKAF P-LE-BK
Friedenbergs, Ingrid, et al.	"Prosthetics Management of the Cancer Patient with High Level Amputation," Volume 35, Number 2, 1981, p. 10.	P-LE-H
Friedman, Richard N., et al.	"A Breath Activated Switching Mechanism for the Electric Powered Prehension Orthosis: Design and Fabrication," Volume 39, Number 4, 1986, p. 29.	O-UE-AA

Author	Title	Subject
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	"Prosthetics Management of the Cancer Patient with High Level Amputation," Volume 35, Number 2, 1981, p. 10.	P-LE-H
Gage, James R., et al.	"Use of the Anterior Floor Reaction Orthosis in Patients with Cerebral Palsy," Volume 37, Number 4, 1983, p. 34.	O-LE-KAF
Garfin, Steven, et al.	"Pitfalls in the Use of the Pavlik Harness for Treatment of Congenital Dysplasia, Subluxation, and Dislocation of the Hip," Volume 36, Number 4, 1982, p. 13.	O-LE-H
Garrison, Kevin S.	"Prosthetic Modifications for the Treatment of Marginally Viable Below-Knee Amputations," Volume 37, Number 2, 1983, p. 53.	P-UE-BE
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Gills, George W., et al.	"A Case History: Protecting the Head and Face," Volume 37, Number 2, 1983, p. 57.	O-S-C
Glancy, John	"A Dynamic Orthotic System for Young Myelomeningoceles—A Preliminary Report," Volume 30, Number 4, 1976, p. 3.	O-LE-HKAF
	"A New Orthotic Concept in the Non-operative Treatment of Idiopathic Scoliosis," Volume 32, Number 4, 1978, p. 15.	O-S-TLS
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Gleave, J. A. E.	"A Prosthetic and Orthotic Measuring Table," Volume 32, Number 2, 1978, p. 3.	O-PCM P-PCM
Godfrey, C. M., et al.	"A Comparison of Some Gait Characteristics with Six Knee Joints," Volume 29, Number 3, 1975, p. 33.	P-LE-AK
Goldberg, Richard T.	"New Trends in the Rehabilitation of Lower Extremity Amputees," Volume 39, Number 1, 1985, p. 29.	P-LE P-PCM

<b>Author</b>	<b>Title</b>	<b>Subject</b>
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Goller, Herbert, et al.	"A Dynamic Plastic Elbow-Extension Orthosis for Reduction of Flexion Contractures," Volume 30, Number 4, 1976, p. 47.	O-UE-E
Gonzalez, E., et al.	"The Thigh Corset: Its Effects on the Quadriceps Muscle and Its Role in Prosthetic Suspension," Volume 37, Number 3, 1983, p. 58.	P-LE-BK
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Goralnik, Bert, et al.	"An Active Bilateral Above-Knee Amputee—A Case Report," Volume 34, Number 4, 1980, p. 33.	P-LE-AK
Gram, Martha, et al.	"Parapodium Design with Knee and Hip Locks," Volume 34, Number 2, 1980, p. 14.	O-LE-HKAF
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Greene, Michael P.	"Four Bar Linkage Knee Analysis," Volume 37, Number 1, 1983, p. 15.	P-LE-AK
Guilford, Arthur W., et al.	"The Functional Ratchet Orthotic System," Volume 32, Number 2, 1978, p. 21.	O-UE-WH
Haake, P. William, et al.	"Variable Abduction HKAFO for Spina Bifida Children," Volume 34, Number 2, 1980, p. 3.	O-LE-HKAF
Haake, Peter, et al.	"Hip, Knee, Ankle, Foot Orthosis: Lateral Bar Design with Spring Extension Assist Hip Joints," Volume 36, Number 4, 1982, p. 44.	O-LE-HKAF
Hadjipavlou, A. G., et al.	"A New Non-Invasive Halo Orthosis for Immobilization of the Cervical Spine," Volume 32, Number 1, 1978, p. 16.	O-S-CT
Hall, John, et al.	"A Refined Concept in the Orthotic Management of Scoliosis—A Preliminary Report," Volume 29, Number 4, 1975, p. 7.	O-S-TLS
Haney, D.O.	"The Zoroc Technique for Early or Check Fitting and Alignment of Lower-Limb Prostheses," Volume 29, Number 2, 1975, p. 69.	P-LE P-MM

<b>Author</b>	<b>Title</b>	<b>Subject</b>
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Harrington, Edwin D., et al.	"Use of the Anterior Floor Reaction Orthosis in Patients with Cerebral Palsy," Volume 37, Number 4, 1983, p. 34.	O-LE-KAF
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Hebert, A., et al.	"A Heat Generating Socket," Volume 31, Number 3, 1977, p. 41.	P-UE-BE
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Hodgins, John C., et al.	"A Modular Below Elbow Prosthesis for Children," Volume 36, Number 2, 1982, p. 15.	P-UE-BE
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Irons, George, et al.	"A Lightweight Above-Knee Prosthesis with an Adjustable Socket," Volume 31, Number 1, 1977, p. 3.	P-LE-AK
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Lunsford, Brenda Rae, et al.	"Comparison of Three Prefabricated Cervical Collars," Volume 39, Number 4, 1986, p. 21.	O-S-C
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Luth, Monalee, et al.	"The Enhancement of Prosthetics Through Xeroradiography," Volume 39, Number 1, 1985, p. 14.	P-LE P-PCM
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Maale, Gerhard E., et al.	"Distal Femur Rotation-Plasty Prosthesis," Volume 39, Number 2, 1985, p. 48.	P-LE
Madden, Michael	"The Flexible Socket System as Applied to the Hip Disarticulation Amputee," Volume 39, Number 4, 1986, p. 44.	P-LE-H
Madigan, Robert et al.	"Low Profile Contoured Ring," Volume 39, Number 4, 1986, p. 13.	O-S-CT
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Malone, J. H., et al.	"Immediate Postsurgical Management of Upper Extremity Amputation: Conventional, Electric, and Myoelectric Prostheses," Volume 35, Number 2, 1981, p. 1.	P-UE P-PCM
Malone, James M., et al.	"For Accelerated Post-amputation Rehabilitation: Zoroc Intermediate Prostheses," Volume 34, Number 1, 1980, p. 3.	P-LE-BK P-LE-AK
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Marano, Carlo, et al.	"A New Design and Construction For a Swimming Prosthesis," Volume 38, Number 1, 1984, p. 45.	P-LE-BK P-LE-AK
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Marvin, Ray, et al.	"The Negative Anatomically Modified Foot Orthosis (NAMFO)," Volume 37, Number 3, 1983, p. 24.	O-LE-F

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Mason, Carl P., et al.	"The VAPC Functional Elbow Orthosis," Volume 34, Number 1, 1980, p. 13.	O-UE-E
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Mathur, B. P., et al.	"A New Approach to the Symes Amputation and Its Prosthesis," Volume 39, Number 3, 1985, p. 47.	P-LE-BK
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McEveney, Patricia, et al.	"Case Report: Use of Rib Compression Belt for Pain in Osteoporosis," Volume 39, Number 2, 1985, p. 75.	O-S-LS
McFarlen, J. M.	"The McFarlen Below-Knee Suspension System," Volume 32, Number 3, 1978, p. 44.	P-LE-BK
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Mizrahi, J., et al.	"A Prosthesis for the Short Above-Knee Amputee," Volume 34, Number 2, 1980, p. 10.	P-LE-AK
Mooney, Vert, et al.	"A Lightweight Above-Knee Prosthesis with an Adjustable Socket," Volume 31, Number 1, 1977, p. 3.	P-LE-AK
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Moore, W. S., et al.	"For Accelerated Post-amputation Rehabilitation: Zoroc Intermediate Prostheses," Volume 34, Number 1, 1980, p. 3.	P-LE-BK P-LE-AK
Morein, G., et al.	"New Underarm Three-Point Holding Orthosis for Management of Low Scoliotic Curves," Volume 32, Number 4, 1978, p. 32.	O-S-TLS
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Motloch, Wallace M., et al.	"To 'Walk' or Ride?," Volume 30, Number 3, 1976, p. 33.	P-PCM

Author	Title	Subject
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Mubarak, Scott, et al.	"Pitfalls in the Use of the Pavlik Harness for Treatment of Congenital Dysplasia, Subluxation, and Dislocation of the Hip," Volume 36, Number 4, 1982, p. 13.	O-LE-H
Muilenburg, Alvin	State of the Art: "Lower-Limb Prosthetics Current Status and Future Needs," Volume 31, Number 4, 1977, p. 10.	P-LE P-PCM
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Murphy, Eugene F., et al.	"Myoelectric Control Systems—A Selected Bibliography," Volume 35, Number 1, 1981, p. 34.	P-UE P-PCM
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	"Variable Abduction HKAFO for Spina Bifida Children," Volume 34, Number 2, 1980, p. 3.	O-LE-HKAF
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Nolinske, Terrie L.	"Rationale for Orthotic Residence Programs," Volume 34, Number 3, 1980, p. 38.	O-ED
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O'Reagan, J., et al.	"Modular, Prefabricated Orthosis for Treatment of Elbow Flexion Contractures," Volume 34, Number 4, 1980, p. 26.	O-UE-E
Oberi, H. S., et al.	"Role of Cephalo Cervico Thoracic Dynamic Splint in the Management of Congenital Torticollis," Volume 38, Number 4, 1984, p. 54.	O-S-CT
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Onna, I., et al.	"A Prosthesis for the Short Above-Knee Amputee," Volume 34, Number 2, 1980, p. 10.	P-LE-AK
Ozaki, Jiro, et al.	"'Zero-Position' Functional Shoulder Or- thosis for Postoperative Management of Rotator Cuff Injuries," Volume 38, Num- ber 3, 1984, p. 63.	O-UE-SEWH
Palfray, Michel, et al.	"The P.A.D.—A New Alignment Device for Prosthetic Systems (A Case of an A.K. Endoskeletal Prosthesis)," Volume 38, Number 4, 1984, p. 58.	P-LE-AK
Palumbo, Robert, et al.	"Polypropylene Knee Orthosis with Sub- patellar Latex Strap," Volume 29, Number 3, 1975, p. 29.	O-LE-K
Parmley, Andy	"Two Common Problems in Application of the 'Milwaukee Brace' (Technical Note)," Volume 30, Number 1, 1976, p. 49.	O-S-TLS
Patrnchak, Carl M., et al.	"A Comparison of Pistoning Forces in Or- thotic Knee Joints," Volume 36, Number 2, 1982, p. 85.	O-LE-K
	"A New Concept in Orthotics Joint De- sign—The Northwestern University Knee Orthosis System," Volume 37, Number 4, 1983, p. 15.	O-LE-K
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Author	Title	Subject
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Perkins, David, et al.	"A Case Study of Use of a Terminal Device to Augment a Paralyzed Hand," Volume 37, Number 4, 1983, p. 49.	O-UE-H
Perry, Judith E., et al.	"Pressure Applied by Elastic Prosthetic Bandages: A Comparative Study," Volume 35, Number 4, 1981, p. 30.	P-MM P-PCM
Pierron, Gilbert, et al.	"The P.A.D.—A New Alignment Device for Prosthetic Systems (The Case of an A.K. Endoskeletal Prosthesis)," Volume 38, Number 4, 1984, p. 58.	P-LE-AK
Pike, Alvin C., et al.	"The Orthoglas Transparent Test Socket—An Old Idea, A New Technology," Volume 36, Number 4, 1982, p. 40.	P-MM
Piplani, Brig. C.L., et al.	"A New Approach to the Symes Amputation and Its Prosthesis," Volume 39, Number 3, 1985, p. 47.	P-LE-BK
Poole, Jana, et al.	"Psychological Adaptation to Amputation: An Overview," Volume 38, Number 3, 1984, p. 46.	P-PCM
Porten, Laurence	"Proportions of the Human Body Segments for Use in Design of Artificial Limbs (Technical Note)," Volume 34, Number 2, 1980, p. 36.	P-PCM
Pritham, Charles H.	"Additions to the Vertical Fabrication Jig," Volume 35, Number 1, 1981, p. 29.	O-MM P-MM
	"Suspension of the Below-Knee Prosthesis: An Overview," Volume 33, Number 2, 1979, p. 1.	P-LE-BK
	"Some Thoughts on Nomenclature of Limb Prosthetics," Volume 35, Number 2, 1981, p. 29.	P-ED P-PCM
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Author	Title	Subject
	"Evaluation of Ultralight BK Prosthesis," Volume 33, Number 2, 1979, p. 45.	P-LE-BK
	"Experience with the Scandinavian Flexible Socket," Volume 39, Number 2, 1985, p. 17.	P-LE-AK
	"Fabrication and Fitting Instructions: Tri-lateral Perthes Orthosis," Volume 37, Number 4, 1983, p. 24.	O-LE-HKAF
	"Femoral Immobilizer," Volume 33, Number 4, 1979, p. 39.	O-LE-HKAF
	"How to Prepare an Article for Publication," Volume 37, Number 1, 1983, p. 36.	O-ED P-ED
	"Knee Cylinder," Volume 33, Number 4, 1979, p. 11.	O-LE-K
	"LSU Lively Orthosis," Volume 38, Number 4, 1984, p. 24.	O-LE-KAF
	"Orthotic Management of the Late Post-Polio Patient," Volume 33, Number 1, 1979, p. 50.	O-LE O-PCM
	"The Development of a Molded Pelvic Girdle and the Pelvic Casting Fixture," Volume 38, Number 4, 1984, p. 49.	O-LE-HKAF
	"The Thoracic Suspension Jacket—Review of Principles and Fabrication," Volume 38, Number 1, 1984, p. 36.	O-S-TLS
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Putzi, Robert, et al.	"A Laminated Ultralight Prosthesis," Volume 39, Number 1, 1985, p. 41.	P-LE-BK
Quigley, Michael J.	"Guide to Using the Education Programs," Volume 36, Number 3, 1982, p. 15.	O-ED P-ED
Quigley, Michael J., et al.	"An Evaluation of Three Casting Techniques for Patellar-Tendon-Bearing Prosthesis," Volume 29, Number 2, 1975, p. 21.	P-LE-BK
	"Welding Thermoplastics," Volume 31, Number 1, 1977, p. 51.	O-MM P-MM
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	"How to Prepare an Article for Publication," Volume 37, Number 1, 1983, p. 36.	O-ED P-ED

Author	Title	Subject
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	"The Influence of Heel Design on a Rigid Ankle-Foot Orthosis," Volume 33, Number 4, 1979, p. 3.	O-LE-AF
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Quint, Janet, et al.	"Wheelchair Based Upper Limb Orthotics," Volume 36, Number 1, 1982, p. 41.	O-UE-SEWH
Quint, Richard E., et al.	"Tuli's—A Dynamic Heel Cup Which Effectively Reduces the Shock of Heel Strike," Volume 39, Number 3, 1985, p. 35.	O-LE-F
Racette, Walt, et al.	"Clinical Experience and Functional Considerations of Axial Rotators for the Amputee," Volume 31, Number 2, 1977, p. 29.	P-LE-BK P-LE-AK
Racy, John, et al.	"Psychological Adaptation to Amputation: An Overview," Volume 38, Number 3, 1984, p. 46.	P-PCM
Radocy, Bob	"The Rapid Adjust Prosthetic Harness (Technical Note)," Volume 37, Number 1, 1983, p. 55.	P-UE-BE
Radocy, Robert, et al.	"A Terminal Question," Volume 35, Number 1, 1981, p. 1.	P-UE-H
Randall, Frank, et al.	"The Use of Prophylactic Knee Orthoses at Iowa State University," Volume 37, Number 4, 1983, p. 54.	O-LE-K
Ray, Thomas L.	"An Original Idea (Technical Note)," Volume 34, Number 2, 1980, p. 33.	P-PCM
Redford, John B., et al.	"The Electrically Power-Assisted Seat Lift: Is it Helpful? Appraisal of Its Function," Volume 33, Number 3, 1979, p. 25.	O-SS
	"Pressure Applied by Elastic Prosthetic Bandages: A Comparative Study," Volume 35, Number 4, 1981, p. 30.	P-MM P-PCM
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Author	Title	Subject
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Reeve, James A., et al.	"Prosthetics Management of the Cancer Patient with High Level Amputation," Volume 35, Number 2, 1981, p. 10.	P-LE-H
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Rose, G.K., et al.	"The Salop Skate—An Orthosis for Improving 'Drag-To' Gait," Volume 32, Number 3, 1978, p. 32.	O-LE-F
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	"The Shoe as a Component of the Orthosis," Volume 30, Number 2, 1976, p. 13.	O-LE-F
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Scheinhaus, Arthur, et al.	"A Modification of the Porous Below-Knee Soft Socket Insert," Volume 32, Number 1, 1978, p. 3.	P-LE-BK
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Schmidt, John, et al.	"A Comparison of Pistoning Forces in Orthotic Knee Joints," Volume 36, Number 2, 1982, p. 85.	O-LE-K
Schnell, M.D., et al.	"Applications of Transparent Sockets," Volume 30, Number 4, 1976, p. 35.	P-MM
Schoenwald, Ira S., et al.	"Orthotists and Prosthetists: Issues in a Developing Profession," Volume 37, Number 3, 1983, p. 74.	O-ED P-ED
Schultz, Charles F., et al.	"Golf Club Holding Devices for Upper Limb Amputees (Technical Note)," Volume 36, Number 4, 1982, p. 62.	P-UE-AA
Schumann, William, et al.	"A Refined Concept in the Orthotic Management of Scoliosis—A Preliminary Report," Volume 29, Number 4, 1975, p. 7.	O-S-CTLS
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Schwartz, Jack, et al.	"The Lerman Multi Ligamentus Knee Control Orthosis," Volume 36, Number 1, 1982, p. 63.	O-LE-K

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Scott, Greg, et al.	"The Application of Nickelplast in Fabricating a PTB Insert (Technical Note)," Volume 38, Number 1, 1984, p. 71.	P-LE-BK
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Seliktar, R., et al.	"A Prosthesis for Very Short Below-Knee Stumps," Volume 34, Number 1, 1980, p. 25.	P-LE-BK
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Sherbon, Randy, et al.	"The Denver 'T' Ankle-Foot Orthosis: A Unique Orthotic Approach in Selected Hemiplegic Patients," Volume 39, Number 3, 1985, p. 26.	O-LE-AF
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	"Sheet Plastics and Their Applications in Orthotics and Prosthetics," Volume 38, Number 4, 1984, p. 41.	P-MM O-MM

<b>Author</b>	<b>Title</b>	<b>Subject</b>
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Shurr, Donald G., et al.	"The Iowa Knee Orthosis," Volume 32, Number 1, 1978, p. 20.	O-LE-K
	"Terminal Transverse Congenital Limb Deficiency of the Forearm," Volume 35, Number 3, 1981, p. 22.	P-UE-BE
	"Juvenile Amputees Classification and Revision Rates," Volume 36, Number 2, 1982, p. 22.	P-PCM
	"Hip Disarticulation: A Prosthetic Follow-Up," Volume 37, Number 3, 1983, p. 50.	P-LE-H
	"The Use of Prophylactic Knee Orthoses at Iowa State University," Volume 37, Number 4, 1983, p. 54.	O-LE-K
	"A Rationale for Treatment of Complete Brachial Plexus Palsy," Volume 38, Number 3, 1984, p. 55.	P-UE-AE
Shybut, George T., et al.	"A New Concept in Orthotics Joint Design—The Northwestern University Knee Orthosis System," Volume 37, Number 4, 1983, p. 15.	O-LE-K
	"A New Concept in Orthotics—The Northwestern Knee Orthosis System, Part 2: The Complete Orthosis," Volume 38, Number 1, 1984, p. 13.	O-LE-K
Siegel, Irwin M., et al.	"The Chicago Insert: An Approach to Wheelchair Seating for the Maintenance of Spinal Posture in Duchenne Muscular Dystrophy," Volume 35, Number 4, 1981, p. 27.	O-SS
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Simeck, John	"A Quick-Change Ankle Disconnect for a Below-Knee Amputation," Volume 32, Number 1, 1978, p. 32.	P-LE-BK

Author	Title	Subject
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Sinclair, William F., et al.	"A Modified Orthosis for Prevention of Recurrent Dislocation of Hip Arthroplasties (Technical Note)," Volume 29, Number 3, 1975, p. 39.	O-LE-H
	"Distal Femur Rotation-Plasty Prosthesis," Volume 39, Number 2, 1985, p. 48.	P-LE-BK
Smith, Andrew E., et al.	"Kinematic Comparison of the BiCaal Orthosis and the Rigid Polypropylene Orthosis in Stroke Patients," Volume 36, Number 2, 1982, p. 49.	O-LE-AF
Smith, Herbert, et al.	"A New Bed-Frame Device to Minimize Halo Misalignment," Volume 39, Number 3, 1985, p. 30.	O-S-CT
Smith, Robert	"The AFO and Ankle Control," Volume 33, Number 4, 1979, p. 46.	O-LE-AF
Solie, Gerald A.	"H'-Shaped Wrist-Hand Orthosis," Volume 33, Number 1, 1979, p. 22.	O-UE-WH
Solomon, Carol, et al.	"The Two Stage Myoelectric Hand for Children and Young Adults," Volume 37, Number 2, 1983, p. 11.	P-UE-BE
Spaeth, John P.	"Modifications of the Switch Control for a Powered Hand on an Elbow Disarticulation Prosthesis," Volume 35, Number 4, 1981, p. 45.	P-UA-AE
Spencer, William	"Inter-Professional Relationships," Volume 29, Number 4, 1975, p. 1.	O-ED P-ED
Springfield, Dempsey S., et al.	"Distal Femur Rotation-Plasty Prosthesis," Volume 39, Number 2, 1985, p. 48.	P-LE-BK
Staats, Timothy B.	"Clinical Experience with Triple Amputations," Volume 36, Number 2, 1982, p. 69.	P-LE P-UE P-PCM
	"Multiple Durometer Socket Liners for P.T.B. Prostheses," Volume 38, Number 4, 1984, p. 63.	P-LE-BK
	"Syntactic End Seal Technique," Volume 37, Number 3, 1983, p. 32.	P-LE-BK
	"The Berkeley Endoskeletal Below Knee Modular System," Volume 35, Number 4, 1981, p. 37.	P-LE-BK
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Author	Title	Subject
Staats, Timothy B., et al.	"Prosthetic Applications of Methylmetacrylate Acrylic Plastic," Volume 35, Number 4, 1981, p. 49.	P-MM
	"The U.S.M.C. Prosthetic Skin," Volume 37, Number 2, 1983, p. 59.	P-LE-AK
Stallard, J., et al.	"The Salop Skate—An Orthosis for Improving 'Drag-To' Gait," Volume 32, Number 3, 1978, p. 32.	O-LE-F
Stamp, W.G., et al.	"Applications of Transparent Sockets," Volume 30, Number 4, 1976, p. 35.	P-MM P-PCM
Stang, Paul E., et al.	"A New Bed-Frame Device to Minimize Halo Misalignment," Volume 39, Number 3, 1985, p. 30	O-S-CT
Stanish, William, et al.	"A Refined Concept in the Orthotic Management of Scoliosis—A Preliminary Report," Volume 29, Number 4, 1975, p. 7.	O-S-CTLS
Staros, Anthony	"Education and Training Directions," Volume 31, Number 2, 1977, p. 3.	P-ED O-ED
Stern, Peter H.	"Assessment of Amputee Rehabilitation Using a Text-Generating Data Processing System," Volume 30, Number 2, 1976, p. 31.	P-PCM
Stern, Peter H., et al.	"Wheelchair Based Upper Limb Orthotics," Volume 36, Number 1, 1982, p. 41.	O-UE-SEWH
Stills, Melvin	"Thermoformed Ankle-Foot Orthoses," Volume 29, Number 4, 1975, p. 41.	O-LE-AF
	"Vacuum-Formed Orthoses for Fracture of the Tibia," Volume 30, Number 2, 1976, p. 43.	O-LE-AF
	"Clinical Experience with the 'Solid-Ankle' Orthosis," Volume 30, Number 3, 1976, p. 13.	O-LE-AF
	State of the Art: "Lower-Limb Orthotics," Volume 31, Number 4, 1977, p. 21.	O-LE O-PCM
Stills, Melvin L., et al.	"Femoral Immobilizer," Volume 33, Number 4, 1979, p. 39.	O-LE-HKAF
	"A New Material in Orthotics and Prosthetics," Volume 34, Number 3, 1980, p. 29.	O-MM P-MM
	"Ultra-Light Prostheses for Below-Knee Amputees," Volume 30, Number 1, 1976, p. 43.	P-LE-BK
	"Knee Cylinder," Volume 33, Number 4, 1979, p. 11.	O-LE-K

Author	Title	Subject
Strunck, Martha L., et al.	"Sheet Plastics and Their Applications in Orthotics and Prosthetics," Volume 38, Number 4, 1984, p. 41.	O-MM P-MM
Stulberg, S. David, et al.	"A New Concept in Orthotics—The Northwestern Knee Orthosis System, Part 2: The Complete Orthosis," Volume 38, Number 1, 1984, p. 13.	O-LE-K
Stupp, S.I., et al.	"Ice-Water Quenching Technique for Polypropylene," Volume 33, Number 1, 1979, p. 16.	O-MM P-MM
Sullivan, Richard A., et al.	"A Modular Below Elbow Prosthesis for Children," Volume 36, Number 2, 1982, p. 15.	P-UE-BE
Supan, T.J., et al.	"Ice-Water Quenching Technique for Polypropylene (Technical Note)," Volume 33, Number 1, 1979, p. 16.	O-MM P-MM
Supan, Terry J.	"Three-State Impression Technique for the Upper Arm," Volume 32, Number 2, 1978, p. 63.	P-UA-AE
Susak, Z., et al.	"Pneumatic Supracondylar Suspension for Knee-Disarticulation Prostheses," Volume 31, Number 3, 1977, p. 3.	P-LE-AK
	"A Prosthesis for Very Short Below-Knee Stumps," Volume 3, Number 1, 1980, p. 25.	P-LE-BK
	"A Prosthesis for the Short Above-Knee Amputee," Volume 34, Number 2, 1980, p. 10.	P-LE-BK
Sutherland, David, et al.	"Pitfalls in the Use of the Pavlik Harness for Treatment of Congenital Dysplasia, Subluxation, and Dislocation of the Hip," Volume 36, Number 4, 1982, p. 13.	O-LE-H
Svetz, William R.	"A Novel Concept in Fitting Bilateral Above-Knee Amputees: A Case History," Volume 37, Number 3, 1983, p. 63.	P-LE-AK
Taylor, Craig	"The Biomechanics of Control of Upper-Extremity Prostheses," Volume 35, Number 1, 1981, p. 7.	P-UE P-PCM
Taylor, Mark, et al.	"Growth Extensions and Adjustments in Children's Polypropylene Ankle-Foot Orthoses," Volume 33, Number 4, 1979, p. 46.	O-LE-AF
Thomas, Charles, et al.	"Growth Extensions and Adjustments in Children's Polypropylene Ankle-Foot Orthosis," Volume 33, Number 4, 1979, p. 46.	O-LE-AF

Author	Title	Subject
Thranhardt, Ted	State of the Art: "Delivery of Prosthetics and Orthotics Services—Current Status and Future Needs," Volume 31, Number 4, 1977, p. 43.	O-PCM P-PCM
Tindall, Gerald A., et al.	"The R.O.L. Rotator," Volume 33, Number 1, 1979, p. 11.  "Hip, Knee, Ankle, Foot Orthosis: Lateral Bar Design with Spring Extension Assist Hip Joints," Volume 36, Number 4, 1982, p. 44.	P-LE  O-LE-HKAF
Titus, Bert R.	"A Patellar-Tendon-Bearing Orthosis," Volume 29, Number 1, 1975, p. 35.	O-LE-KAF
Toderan, Duane, et al.	"Tissue Pressure Tolerance as a Guide to Wrist-Hand Orthosis Design," Volume 32, Number 3, 1978, p. 37.	O-UE-WH
Townsend, Barry	"Static Rotational Control Cervical Orthosis for the Treatment of Congenital Muscular Torticollis and Associated Plagiocephaly and Hemihypoplasia," Volume 36, Number 1, 1982, p. 13.	O-S-CT
Traunero, Janet E., et al.	"The Toledo Tenodesis Prosthesis—A Case History Utilizing a New Concept in Prosthetics for the Partial Hand Amputee," Volume 38, Number 4, 1984, p. 13.	P-UE-H
Trudell, T., et al.	"A Heat Generating Socket," Volume 31, Number 3, 1977, p. 41.	P-UE-BE
Tyo, J. H., et al.	"Procedures for Obtaining Casts for Ankle-Foot Orthoses," Volume 32, Number 2, 1978, p. 12	O-LE-AF
Underwood, J., et al.	"Immediate Postsurgical Management of Upper Extremity Amputation: Conventional, Electric, and Myoelectric Prostheses," Volume 35, Number 2, 1981, p. 1.	P-UE P-PCM
Urlaub, Martha J., et al.	"The Use of X-rays and Xerograms in Prosthetics," Volume 37, Number 1, 1983, p. 32.	P-LE P-PCM
Van Der Waarde, Tony	"Ottawa Experience with Hip Disarticulation Prostheses," Volume 38, Number 1, 1984, p. 29.	P-LE-H
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Author	Title	Subject
Van Hanswyk, Edward P., et al.	"The Orthotic Management of Lumbar Lordosis and the Relationship to the Treatment of Thoraco-Lumbar Scoliosis and Juvenile Kyphosis," Volume 32, Number 2, 1978, p. 27.	O-S-CTLS
	"Orthotic Management of Thoraco-Lumbar Spine Fractures with a 'Total-Contact' Plastic TLSO," Volume 33, Number 3, 1979, p. 10	O-S-TLS
	"Orthotic Management of the Knee Injuries in Athletics with Lenox Hill Orthosis," Volume 36, Number 4, 1982, p. 23.	O-LE-K
Vance, Raymond, et al.	"Pitfalls in the Use of the Pavlik Harness for Treatment of Congenital Dysplasia, Subluxation, and Dislocation of the Hip," Volume 36, Number 4, 1982, p. 13.	O-LE-H
Varghese, George, et al.	"Pressure Applied by Elastic Prosthetic Bandages: A Comparative Study," Volume 35, Number 4, 1981, p. 30.	P-MM P-PCM
Varnau, David A.	"The Polypropylene Single-Hip Spica," Volume 32, Number 3, 1978, p. 7.	O-LE-HKAF
Varnau, David A., et al	"The Enhancement of Prosthetics Through Xeroradiography," Volume 39, Number 1, 1985, p. 14.	P-LE P-PCM
Vaughn, David W., et al.	"Orthoses and the Dynamic Knee: A Basic Overview," Volume 39, Number 2, 1985, p. 33.	P-LE-K
Vinnecour, Keith E, et al.	"The Enhancement of Prosthetics Through Xeroradiography," Volume 39, Number 1, 1985, p. 14.	P-LE P-PCM
Vitarius, George, et al.	"Wheelchair Based Upper Limb Orthotics," Volume 36, Number 1, 1982, p. 41.	O-UE-SEWH
Volkert, R.	"Individual Engineering—Orthopedic Care for Patients with Infantile Cerebral Palsy," Volume 33, Number 2, 1979, p. 54.	O-LE O-PCM
Wagner, Eugene, et al.	"Metrication in the United States and Canada," Volume 32, Number 3, 1978, p. 49.	O-MM P-MM
Wallace, Sidney L., et al.	"Thermoplastic Body Jackets for Postspinal Fusion Patients with Scoliosis," Volume 33, Number 3, 1979, p. 20.	O-S-TLS
	"Low Profile Contoured Ring," Volume 39, Number 4, 1986, p. 13.	O-S-CT

Author	Title	Subject
Wassen, R., et al.	"Fabrication and Fitting of the CARS-UBC Knee Orthosis," Volume 30, Number 2, 1976, p. 3.	O-LE-K
Wasserman, Jack, et al.	"Low Profile Contoured Ring," Volume 39, Number 4, 1986, p. 13.	O-S-CT
Waters, Robert L., et al.	"The Influence of Heel Design on a Rigid Ankle-Foot Orthosis," Volume 33, Number 4, 1979, p. 3.	O-LE-AF
	"Kinematic Comparison of the BiCaal Orthosis and the Rigid Polypropylene Orthosis in Stroke Patients," Volume 36, Number 2, 1982, p. 49.	O-LE-AF
Watkins, Daniel, et al.	"A Survey of Prosthetics Practice—1973-74," Volume 29, Number 3, 1975, p. 15.	P-PCM
Webb, William, et al.	"The Application of ISNY Principles to the Below-Elbow Prosthesis," Volume 39, Number 4, 1986, p. 16.	P-UE-BE
Weiner, Stuart	"Prosthetics Management of the Cancer Patient with High Level Amputation," Volume 35, Number 2, 1981, p. 10.	P-LE-H
Weintrob, Joan C., et al.	"Orthotic Management for Genu Recurvatum and Genu Varus," Volume 32, Number 3, 1978, p. 25.	O-LE-KAF
Weiss, Joe, et al.	"The Thigh Corset: Its Effects on the Quadriceps Muscle and Its Role in Prosthetic Suspension," Volume 37, Number 3, 1983, p. 58.	P-LE-BK
Welch, David, et al.	"The Orthotic Care of the Denervated Foot in Hansen's Disease," Volume 30, Number 1, 1976, p. 33.	O-LE-F
Wenzel, Frederick J., et al.	"Maxillofacial Protective Headgear," Volume 31, Number 1, 1977, p. 25.	O-S-C
Wiest, David R., et al.	"The Influence of Heel Design on a Rigid Ankle-Foot Orthosis," Volume 33, Number 4, 1979, p. 3.	O-LE-AF
Wildes, R., et al.	"Materials Investigation of Failed Plastic Ankle-Foot Orthoses," Volume 29, Number 3, 1975, p. 25.	O-LE-AF O-MM
Williams, Margo, et al.	"The Denver 'T' Ankle-Foot Orthosis: A Unique Orthotic Approach in Selected Hemiplegic Patients," Volume 39, Number 3, 1985, p. 26.	O-LE-AF

Author	Title	Subject
Wilson, A. Bennett, Jr.	"Lower Limb Modular Prostheses: A Status Report," Volume 29, Number 1, 1975, p. 21.	P-LE P-MM
	"The Connection," Volume 34, Number 4, 1980, p. 19.	P-LE P-PCM
Wilson, A. Bennett Jr., et al.	"An Evaluation of Three Casting Techniques for Patellar-Tendon-Bearing Prostheses," Volume 29, Number 2, 1975, p. 21.	P-LE-BK
	"Ultra-Light Prostheses for Below-Knee Amputees," Volume 30, Number 1, 1976, p. 43.	P-LE-BK
	"Evaluation of Ultralight BK Prostheses," Volume 33, Number 2, 1979, p. 45.	P-LE-BK
	"A New Material in Orthotics and Prosthetics," Volume 34, Number 3, 1980, p. 29.	P-MM O-MM
Wilson, C. L., et al.	"A New Non-Invasive Halo Orthosis for Immobilization of the Cervical Spine," Volume 32, Number 1, 1978, p. 16.	O-S-CT
Wilson, Michael T.	"Clinical Application of RTV Elastomers," Volume 33, Number 4, 1979, p. 23.	O-MM P-MM
	"Spendo-Lynadure Soft Inserts," Volume 32, Number 3, 1978, p. 21.	P-LE P-MM
Wilson, Michael T., et al.	"The Use of X-rays and Xerograms in Prosthetics," Volume 37, Number 1, 1983, p. 32.	P-LE P-PCM
Winter, Robert, et al.	"The 'Gillette' Sitting Support Orthosis," Volume 32, Number 4, 1978, p. 35.	O-SS
Yanke, M. J., et al.	"Materials Investigation of Failed Plastic Ankle-Foot Orthoses," Volume 29, Number 3, 1975, p. 25.	O-LE-AF O-MM
Yasukawa, Audrey M., et al.	"An Adjustable Writing Device for Use with a Definitive Wrist Hand Orthosis," Volume 39, Number 4, 1986, p. 40.	O-UE-WH
	"An Extension Orthosis for Management of Elbow Flexion Contractures," Volume 36, Number 1, 1982, p. 50.	O-UE-E
Young, Ed, et al.	"A Revised A/K Adjustable Socket," Volume 37, Number 3, 1983, p. 38.	P-LE-AK
Young, Judy, et al.	"Adapted Driver Education Publications," Volume 32, Number 3, 1978, p. 56.	O-PCM P-PCM
Young, Richard, et al.	"The Halo-Girdle Brace Application," Volume 37, Number 2, 1983, p. 39.	O-S-CT

Author	Title	Subject
Young, Robert D.	"A Case Study: Functional Positioning Toe Restoration," Volume 39, Number 3, 1985, p. 57.	O-LE-F P-LE-F
	"A Case Study: Special Choparts Prosthesis with Custom Molded Foot (Technical Note)," Volume 38, Number 4, 1984, p. 79.	P-LE-F
Yuan, Hansen A., et al.	"Orthotic Management of Thoraco-Lumbar Spine Fractures with a 'Total-Contact' Plastic TLSO," Volume 33, Number 3, 1979, p. 10.	O-S-TLS
Zamosky, Gary	"The Use of Polypropylene in an Upper-Limb Orthosis," Volume 29, Number 1, 1975, p. 19.	O-UE-E
Zamosky, Isidore	"New Concepts in the Corrective Bracing of Scoliosis, Kyphosis, and Lordosis," Volume 32, Number 4, 1978, p. 3.	O-S-CTLS
Zamosky, Isidore, et al.	"Modification of Outrigger on Milwaukee Orthosis (Technical Note)," Volume 29, Number 3, 1975, p. 42.	O-S-CTLS
Zilber, Serge, et al.	"The Electrically Power-Assisted Seat Lift: Is it Helpful? Appraisal of Its Function," Volume 33, Number 3, 1979, p. 25.	O-SS
	"Pressure Applied by Elastic Prosthetic Bandages: A Comparative Study," Volume 35, Number 4, 1981, p. 30.	P-MM P-PCM

# Article Index: *Orthotics and Prosthetics* 1975-1985

## ORTHOTICS

- Accomplishments in Modern Orthotic Patient Management—Indications for the Future (Engen). Volume 33, Number 3, September, 1979, p. 3.
- Adjustable Plastic Thigh Section and Knee Joint for Femoral-Fracture Orthoses, An (Irons). Volume 30, Number 3, September, 1976, p. 3.
- Adjustable Writing Device for Use with a Definitive Hand Orthosis, An (Hedman et al). Volume 39, Number 4, December, 1985, p. 40.
- Alternate System for Locking the Knee Joint: A Case Study (Davis). Volume 39, Number 2, June, 1985, p. 61.
- Ankle-Foot Orthosis for Immobilization of the Ankle, An (Arnold et al). Volume 32, Number 3, September, 1978, p. 3.
- Another Use for a Standing Orthosis (Bleck). Volume 30, Number 3, September, 1976, p. 29.
- Application of the Varus T-Strap Principle to the Polypropylene Ankle-Foot Orthosis (Lin). Volume 36, Number 1, March, 1982.
- Breath Activated Switching Mechanism for the Electric Powered Prehension Orthosis: Design and Fabrication, A (Faulkner et al). Volume 39, Number 4, p. 29.
- Case Report: Use of Rib Compression Belt for Pain in Osteoporosis (Hirschberg). Volume 39, Number 2, June, 1985, p. 75.
- Case Study: Functional Positioning Toe Restoration (Young). Volume 39, Number 3. September, 1985, p. 57.
- Case Study: A Multiple Form Plastic Ankle-Foot Orthosis (Showers). Volume 38, Number 1, March, 1984, p. 68.
- Case Study: Use of a Terminal Device to Augment a Paralyzed Hand (Katz et al). Volume 37, Number 4, December, 1983, p. 49.
- Chicago Insert: An Approach to Wheelchair Seating for the Maintenance of Spinal Posture in Duchenne Muscular Dystrophy (Siegel et al). Volume 35, Number 4, December, 1981, p. 27.
- Clinical Application of RTV Elastomers (Wilson). Volume 33, Number 4, December, 1979, p. 23.
- Clinical Experience with the "Solid Ankle" Orthosis (Stills). Volume 30, Number 3, September, 1976, p. 13.
- Comparison of Pistoning Forces in Orthotic Knee Joints, A (Lew et al). Volume 36, Number 2, June, 1982, p. 85.
- Comparison of Three Prefabricated Cervical Collars (Kaufman et al). Volume 39, Number 4, December, 1985, p. 21.
- Contemporary Trends in the Orthotic Management of Legg-Calve-Perthes Disease (Pritham et al). Volume 39, Number 1, March, 1985, p. 62.
- Demand for Orthotics and Prosthetics Technicians: Preliminary Survey Results (Duggan). Volume 37, Number 3, September, 1983, p. 67.
- Denver "T" Ankle-Foot Orthosis: A Unique Orthotic Approach in Selected Hemiplegic Patients (Britell et al). Volume 39, Number 3, September, 1985, p. 26.

- Design and Prescription of Above-Knee Orthoses, The (Anderson et al). Volume 31, Number 3, September, 1977, p. 31.
- Development of a Molded Pelvic Girdle and the Pelvic Casting Fixture, The (Fillauer et al). Volume 38, Number 4, December, 1984, p. 49.
- Diabetic Patient: Orthotic Considerations (Van Hanswyk). Volume 33, Number 3, September, 1979, p. 32.
- Dynamic Orthotics System to Assist Pelvic Extensions: A Preliminary Report (Glancy et al). Volume 29, Number 1, March, 1975, p. 3.
- Dynamic Orthotic System for Young Myelomeningoceles—A Preliminary Report (Glancy). Volume 30, Number 4, December, 1976, p. 47
- Dynamic Plastic Elbow-Extension Orthosis for Reduction of Flexion Contractures, A (Goller et al). Volume 30, Number 4, December, 1976, p. 47.
- Education and Training (Staros). Volume 31, Number 2, June, 1977. p. 3.
- Effective Orthotic Design for Controlling the Unstable Subtalar Joint, An (Burglund et al). Volume 33, Number 1, March, 1979, p. 39.
- Effects of Heel Height and Ankle-Foot Orthoses Configurations on Weight Line Location: A Demonstration of Principles (Cook et al). Volume 30, Number 4, December, 1976, p. 43.
- Electronically Power-Assisted Seat Lift: Is It Helpful? Appraisal of Its Function (Redford et al). Volume 33, Number 3, September, 1979, p. 25.
- Evaluation of C.A.R.S.-U.B.C. Knee Orthosis (Reed). Volume 33, Number 1, March, 1979, p. 25.
- Evaluation of the Ortho-Walk Type B Pneumatic Orthosis on Thirty-seven Paraplegic Patients (Committee on Prosthetics Research and Development). Volume 31, Number 1, March, 1977, p. 29.
- Extension Orthosis for Management of Elbow Flexion Contractures, An (Kozole et al). Volume 36, Number 1, March, 1982, p. 50.
- External-Cruciate-Ligament Orthosis, An (Martin). Volume 29, Number 3, September, 1975, p. 3.
- Fabrication and Fitting of the CARS-UBC Knee Orthosis (Wassen et al). Volume 30, Number 2, June, 1976, p. 3.
- Fabrication and Fitting Instructions: Trilateral Perthes Orthosis (Fillauer et al). Volume 37, Number 4, December, 1983, p. 24.
- Femoral Immobilizer (Pritham et al). Volume 33, Number 4, December, 1979, p. 39.
- Functional Ratchet Orthotic System, The (Hoy et al). Volume 32, Number 2, June, 1978, p. 21.
- "Gillette" Sitting Support Orthosis, The (Carlson et al). Volume 32, Number 4, December, 1978, p. 35.
- "H" Shaped Wrist-Hand Orthosis (Solie). Volume 33, Number 1, March, 1979, p. 22.
- Halo Girdle Brace Application, The (Young et al). Volume 37, Number 2, June, 1983, p. 39.
- Hip, Knee, Ankle, Foot Orthosis: Lateral Bar Design with Spring Extension Assist Hip Joints (Brown et al). Volume 36, Number 4, December, 1982, p. 44.
- How to Prepare an Article for Publication (Pritham et al). Volume 37, Number 1, March, 1983, p. 36.
- Ice Water Quenching Technique for Polypropylene (Belton et al). Volume 33, Number 1, March, 1979, p. 16.
- Influence of Heel Design on a Rigid Ankle-Foot Orthosis, The (Quigley et al). Volume 33, Number 4, December, 1980, p. 3.
- Interprofessional Relationships (Spencer). Volume 29, Number 4, December, 1975, p. 1.
- Iowa Knee Orthosis, The (Albright et al). Volume 32, Number 1, March, 1978, p. 20.
- Kinematic Comparison of the BiCaal Orthosis and the Rigid Polypropylene Orthosis in Stroke Patients (Smith et al). Volume 36, Number 2, June, 1982, p. 49.
- Knee Cylinder (Stills et al). Volume 33, Number 4, December, 1980, p. 11.
- Knee Stabilizing Ankle-Foot Orthosis with Adjustable Spring-Loaded Ankle, A (Rubin et al). Volume 29, Number 3, September, 1975, p. 11.
- Lerman Multi-Ligamentus Knee Control

- Orthosis, The (Lerman et al). Volume 36, Number 1, March, 1982, p. 63.
- Low Back Pain and the Cottrell 90/90 Backtrac® System (Lossing). Volume 37, Number 2, June, 1983, p. 31.
- LSU Lively Orthosis (Fillauer et al). Volume 38, Number 4, December, 1985, p. 24.
- Materials Investigation of Failed Plastic Ankle-Foot Orthoses (Lautenschlager et al). Volume 29, Number 3, September, 1975, p. 25.
- Maxillofacial Protective Headgear (Hartwig et al). Volume 31, Number 1, March, 1977, p. 25.
- Method for Custom Seating of the Severely Disabled, A (Pritham et al). Volume 35, Number 4, December, 1981, p. 19.
- Metrication in the United States and Canada (Wagner et al). Volume 32, Number 3, September, 1978, p. 49.
- Modification of Outrigger on Milwaukee Orthosis (Kaufman et al). Volume 29, Number 3, September, 1975, p. 42.
- Modification of the Posterior Leaf-Spring Orthosis (Sabolich). Volume 30, Number 3, September, 1976, p. 35.
- Modified or Minihalo, The (Harvey et al). Volume 30, Number 1, March, 1976, p. 41.
- Modified Orthosis for Prevention of Recurrent Dislocation of Hip Arthroplasties, A (Cadena et al). Volume 29, Number 3, September, 1975, p. 39.
- Modified Standing Orthosis, A (Cartaya). Volume 30, Number 3, September, 1976, p. 25.
- Modular Prefabricated Orthosis for Treatment of Elbow Flexion Contractures (Reger et al). Volume 34, Number 4, December, 1980, p. 26.
- Multi-Adjustable Cervical Orthosis for Use in the Treatment of Torticollis: A Case Study (Jurgutis). Volume 38, Number 3, September, 1984, p. 51.
- Negative Anatomically Modified Foot Orthosis—NAMFO (Marvin et al). Volume 37, Number 3, September, 1983, p. 24.
- New Ankle-Foot Orthosis Combining the Advantages of Metal and Plastics, A (Bensman et al). Volume 33, Number 1, March, 1979, p. 3.
- New Bed Frame Device to Minimize Halo Management, A (Smith et al). Volume 39, Number 3, September, 1985, p. 30.
- New Cervico Neck Ring for the Idiopathic Scoliosis C.T.L.S.O., A (Moore). Volume 38, Number 1, March, 1984, p. 50.
- New Concept in the Fabrication of Double Upright Orthoses, A (Bremer, Jr.). Volume 38, Number 3, September, 1984, p. 69.
- New Concept in Orthotics Joint Design—Northwestern University Knee Orthosis System (Lewis et al). Volume 37, Number 4, December, 1983, p. 15.
- New Concept in Orthotics—The Northwestern Knee Orthosis System, Part II: The Complete Orthosis (Lewis et al). Volume 38, Number 1, March, 1984, p. 13.
- New Effective Means for Supine, Home Cervical Traction, A (Lossing). Volume 39, Number 2, June, 1985, p. 52.
- New Material in Orthotics and Prosthetics, A (Stills et al). Volume 34, Number 3, September, 1980, p. 29.
- New Non-Invasive Halo Orthosis for Immobilization of the Cervical Spine, A (Wilson et al). Volume 32, Number 1, March, 1978, p. 16.
- New Orthosis for Fixation of the Cervical Spine—Fronto-Occipito-Zygomatic Orthosis (Nakamura et al). Volume 38, Number 3, September, 1984, p. 41.
- New Orthosis for Treatment of Hemiplegic Shoulder Subluxation (Brudny). Volume 39, Number 3, September, 1985, p. 14.
- New Orthotic Concept in the Non-Operative Treatment of Idiopathic Scoliosis, A (Glancy). Volume 32, Number 4, December, 1978, p. 15.
- Open Back Ring Halo Orthosis, The (Fillauer). Volume 39, Number 3, September, 1985, p. 21.
- Orthosis and the Dynamic Knee: A Basic Overview (Beets et al). Volume 39, Number 2, June, 1985, p. 33.
- Orthosis for Correction of Ulnar Deviation, An (Danisi et al). Volume 29, Number 4, December, 1975, p. 33.
- Orthosis for the Flail Elbow, An (Lefton et al). Volume 31, Number 2, June, 1977, p. 35.
- Orthosis for Medial or Lateral Stabilization

- of Arthritic Knees, An (Cousins et al). Volume 29, Number 4, December, 1975, p. 21.
- Orthosis for a Patient with a Failed Total Hip Prosthesis, An (Jacobson et al). Volume 31, Number 3, September, 1977, p. 27.
- Orthosis for Rheumatoid Fingers (Koch et al). Volume 34, Number 2, June, 1980, p. 25.
- "Orthotic Arm": A Case Report (Nancekivell). Volume 39, Number 2, June, 1985, p. 65.
- Orthotic Care of the Denervated Foot in Hansen's Disease, The (Enna et al). Volume 30, Number 1, March, 1976, p. 33.
- Orthotic Control of Ground Reaction Forces During Running—A Preliminary Report (Glancy). Volume 38, Number 3, September, 1984, p. 9.
- Orthotic Management for Genu Recurvatum and Genu Varus (Kendrick et al). Volume 32, Number 3, September, 1978, p. 25.
- Orthotic Management of Knee Injuries in Athletics with Lenox Hill Orthosis (Van Hanswyk et al). Volume 36, Number 4, December, 1982, p. 23.
- Orthotic Management of the Late Post-Polio Patient (Cook et al). Volume 33, Number 1, March, 1979, p. 50.
- Orthotic Management of Lumbar Lordosis and the Relationship to the Treatment of Thoraco-Lumbar Scoliosis and Juvenile Kyphosis, The (Van Hanswyk et al). Volume 32, Number 2, June, 1978, p. 27.
- Orthotic Management of Thoraco-Lumbar Spine Fractures with a "Total Contact" Plastic TLSO (Van Hanswyk et al). Volume 33, Number 3, September, 1979, p. 10.
- Orthotists and Prosthetists: Issues in a Developing Profession (Schoenwald et al). Volume 37, Number 3, September, 1983, p. 74.
- Parapodium Design with Knee and Hip Locks (Brown et al). Volume 34, Number 2, June, 1980, p. 14.
- Patellar-Tendon-Bearing Orthosis, A (Titus). Volume 29, Number 1, March, 1975, p. 35.
- Pitfalls in the Use of the Pavlik Harness for Treatment of Congenital Dysplasia, Subluxation, and Dislocation of the Hip (Mubarek et al). Volume 36, Number 4, December, 1982, p. 13.
- Planning and Producing Slide Presentations for Orthotics and Prosthetics (Forsgren et al). Volume 37, Number 1, March, 1983, p. 45.
- Plastics in Lower Limb Orthotics (Almeida et al). Volume 32, Number 1, March, 1978, p. 25.
- Polypropylene Knee Orthosis with Subpatellar Latex Strap (Dixon et al). Volume 29, Number 3, September, 1975, p. 29.
- Polypropylene Single-Hip Spica, The (Varnau). Volume 32, Number 3, September, 1978, p. 7.
- Polypropylene Spiral Ankle-Foot Orthosis (Cohen et al). Volume 29, Number 2, June, 1975, p. 33.
- Principles of Design for Lower Limb Orthotics (Bahler). Volume 36, Number 4, December, 1982, p. 33.
- Procedures for Obtaining Casts for Ankle-Foot Orthoses (Tyo et al). Volume 32, Number 2, June, 1978, p. 12.
- Prosthetic and Orthotic Measuring Table, A (Gleave). Volume 32, Number 2, June, 1978, p. 3.
- Quadruple Hip Joint Calipers for Extensive Neuromuscular Disorders (Mathur). Volume 39, Number 1, March, 1986, p. 74.
- Rationale for Orthotic Residence Programs (Nolinske). Volume 34, Number 3, September, 1980, p. 38.
- Refined Concept in the Orthotics Management of Scoliosis—A Preliminary Report (Hall et al). Volume 29, Number 4, December, 1975, p. 7.
- Reinforced Lower-Limb Orthosis Design Principles (Clark et al). Volume 32, Number 2, June, 1978, p. 35.
- Role of Cephalo Cervico Thoracic Dynamic Splint in Management of Congenital Torticollis (Joshi et al). Volume 38, Number 4, December, 1985, p. 54.
- Salop Skate—An Orthosis for Improving "Drag-To" Gait, The (Rose et al). Volume 32, Number 3, September, 1978.
- Seating and Positioning for the Physically Impaired (Motloch). Volume 31, Number 2, June, 1977, p. 11.
- Shoe as a Component of the Orthosis, The

- (Rubin et al). Volume 30, Number 2, June, 1976, p. 13.
- Some Biomechanical Considerations in the Design of Ankle-Foot Orthoses (Meadows et al). Volume 31, Number 3, September, 1977, p. 45.
- State of the Art: Delivery of Prosthetics and Orthotics Services—Current Status and Future Needs (Thranhardt). Volume 31, Number 4, December, 1977, p. 43.
- State of the Art: Lower Limb Orthotics (Stills). Volume 31, Number 4, January, 1978, p. 21.
- State of the Art: Upper Limb Orthotics (Lehneis). Volume 31, Number 4, December, 1977, p. 14.
- Static Rotational Control Cervical Orthosis for the Treatment of Congenital Muscular Torticollis and Associated Plagiocephaly and Hemihypoplasia (Townsend). Volume 36, Number 1, March, 1982, p. 13.
- Subjective Comparison of Spenco® and PPT™ Soft Tissue Supplements Used in Footgear, A (Albert). Volume 35, Number 3, September, 1981, p. 17.
- Survey: Current Orthotic Practices in Occupational Therapy (Lohman). Volume 36, Number 2, June, 1982, p. 42.
- Technical Note: The AFO and Ankle Control (Smith). Volume 33, Number 4, December, 1980, p. 46.
- Technical Note: Growth Extensions and Adjustments in Children's Polypropylene Ankle-Foot Orthosis (Dimeglio et al). Volume 33, Number 4, December, 1980, p. 46.
- Thermoformed Ankle-Foot Orthoses (Stills). Volume 29, Number 4, December, 1975, p. 41.
- Thermoplastic Body Jackets for Post-Spinal Fusion Patients with Scoliosis (Wallace). Volume 33, Number 3, September, 1979, p. 20.
- Thoracic Suspension Jacket—Review of Principles and Fabrication, The (Fillauer et al). Volume 38, Number 1, March, 1984, p. 36.
- Tissue Pressure Tolerance as a Guide to Wrist-Hand Orthosis Design (Lunsford et al). Volume 32, Number 3, September, 1978, p. 37.
- Treatment of Plantar Fasciitis and Calcaneal Spurs with the UC-BL Shoe Insert, The (Campbell et al). Volume 31, Number 2, June, 1977, p. 23.
- Triceps Pronation-Supination Orthosis (Cole et al). Volume 36, Number 4, December, 1982, p. 57.
- Tri-Correctional Upper Limb Orthosis, A (Benton). Volume 34, Number 1, March, 1980, p. 41.
- TRIO (Fillauer). Volume 38, Number 4, December, 1984, p. 34.
- Tuli's—A Dynamic Heel Cup Which Effectively Reduces the Shock of Heel Strike (Davidson et al). Volume 39, Number 3, September, 1985, p. 35.
- Use of Anterior Floor Reaction Orthosis in Patients with Cerebral Palsy (Harrington et al). Volume 37, Number 4, December, 1984, p. 34.
- Use of Modified Boston Brace System (B.O.B.) for Back Pain: Clinical Indications (Micheli). Volume 39, Number 3, September, 1985, p. 41.
- Use of Polypropylene in an Upper-Limb Orthosis, The (Zamosky). Volume 29, Number 1, March, 1975, p. 19.
- Use of Prophylactic Knee Orthosis at Iowa State University, The (Randall et al). Volume 37, Number 4, December, 1983, p. 54.
- Vacuum-Formed Orthoses for Fracture of the Tibia (Stills). Volume 30, Number 2, June, 1976, p. 43.
- VAPC Functional Elbow Orthosis, The (Lablanc et al). Volume 34, Number 1, March, 1980, p. 13.
- VAPC Prescription Procedures for Knee Orthoses and Knee-Ankle-Foot Orthoses (Rubin et al). Volume 31, Number 3, September, 1977, p. 9.
- Variable Abduction HKAFO for Spina Bifida Children (Jackman et al). Volume 34, Number 2, June, 1980, p. 3.
- Vertebral Compression Fractures—Treatment with a Composite Thoraco-Lumbar Orthosis (Howe). Volume 38, Number 4, December, 1985, p. 75.
- Welding Thermoplastics (Donaldson et al). Volume 31, Number 1, March, 1977, p. 51.
- Wheelchair Based Upper Limb Orthotics (Stern et al). Volume 36, Number 1, March, 1982, p. 41.

"Zero Position" Functional Shoulder Orthosis for Postoperative Management of Rotator Cuff Injuries (Ozaki et al). Volume 38, Number 3, September, 1984, p. 63.

## PROSTHETICS

Above Knee Polypropylene Pelvic Joint (Fischer). Volume 30, Number 4, December, 1976, p. 41.

Above Knee Prosthesis SC-75 (Cortesi). Volume 29, Number 4, December, 1975, p. 15.

Active Bilateral Above-Knee Amputee—A Case Report (Goralnik et al). Volume 34, Number 4, December, 1980, p. 33.

Adapted Driver Education Publications (DeMauro et al). Volume 32, Number 3, September, 1978, p. 56.

Alternative to Fitting Partial Hand Amputees, An (Brown). Volume 38, Number 1, March, 1984, p. 64.

Another Use for a Standing Orthosis (Bleck et al). Volume 30, Number 3, September, 1976, p. 29.

Application of ISNY Principles to the Below-Elbow Prosthesis, The (Berger et al). Volume 39, Number 4, December, 1985, p. 16.

Application of Nickelplast in Fabricating a PTB Insert, The (Kays). Volume 38, Number 1, March, 1984, p. 71.

Assessment of Amputee Rehabilitation Using a Text-Generating Data Processing System (Stern). Volume 30, Number 2, June, 1976, p. 31.

Below-Knee Vacuum Casting Technique, A (Hittenberger et al). Volume 37, Number 3, September, 1983, p. 15.

Below Knee Weight-Bearing, Pressure-Formed Socket Technique, A (Hayes). Volume 29, Number 4, December, 1975, p. 37.

Berkeley Endoskeletal Below-Knee Modular System, The (Staats). Volume 35, Number 4, December, 1981, p. 37.

Biomechanics of Control of Upper-Extremity Prostheses, The (Taylor). Volume 35, Number 1, March, 1981, p. 7.

Case Study: Special Choparts Prosthesis

with Custom Molded Foot (Young). Volume 38, Number 4, December, 1985, p. 79.

Clinical Application of RTV Elastomers (Wilson). Volume 33, Number 4, December, 1979, p. 23.

Clinical Evaluation of an Acrylic Latex Material Used as a Prosthetic Skin on Limb Prosthetics (Quigley et al). Volume 33, Number 4, December, 1979, p. 30.

Clinical Experience and Functional Considerations of Axial Rotators for the Amputee (Racette et al). Volume 31, Number 2, June, 1977, p. 29.

Clinical Experience with Triple Amputations (Staats). Volume 36, Number 2, June, 1982, p. 69.

Comparing the Effectiveness of Elastic Bandages and Shrinker Socks for Lower Extremity Amputees (Manella). Volume 36, Number 1, March, 1982, p. 30.

Connection, The (Wilson, Jr.). Volume 34, Number 4, December, 1980, p. 19.

Crutch Walking and Functional Grasp in the Congenital Triple Amputee (Ames et al). Volume 33, Number 4, December 1979, p. 19.

Current Theories and Treatments Related to Phantom Limb Pain (Feldman). Volume 35, Number 3, September, 1981, p. 26.

Delivery of Orthotic and Prosthetic Services in America—A Physical Therapist's Point of View (Shurr). Volume 38, Number 1, March, 1984, p. 55.

Demand for Orthotics and Prosthetics Technicians: Preliminary Survey Results (Duggan). Volume 37, Number 3, September, 1983, p. 67.

Development Factors in the Care of Adolescent Amputees (Curry). Volume 34, Number 3, September, 1980, p. 17.

Development of a New Interface, The (Field). Volume 39, Number 1, March, 1985, p. 70.

Distal Femur Rotation-Plasty Prosthesis (Sinclair et al). Volume 39, Number 2, June, 1985, p. 48.

Education and Training Directions (Staros). Volume 31, Number 2, June, 1977, p. 3.

Enhancement of Prosthetics Through Xeroradiography, The (Varnau et al).

- Volume 39, Number 1, March, 1985, p. 14.
- Evaluation of Three Casting Techniques for Patellar-Tendon-Bearing Prostheses, An (Quigley et al). Volume 29, Number 2, June, 1975, p. 21.
- Evaluation of Ultralight BK Prosthesis (Reed et al). Volume 33, Number 2, June, 1979, p. 45.
- Experience with the Scandinavian Flexible Socket (Pritham et al). Volume 39, Number 2, June, 1985, p. 17.
- Fabrication of the Water-Resistant Recreational B/K Prosthesis (LaBlanc). Volume 37, Number 3, September, 1983, p. 42.
- Flexible Above-Knee Socket Made from Low Density Polyethylene, Suspended by a Weight Transmitting Frame (Kristinsson). Volume 37, Number 2, March, 1983, p. 25.
- Flexible Socket System as Applied to the Hip Disarticulation Amputee, The (Madden). Volume 39, Number 4, December, 1985, p. 44.
- Gait of Unilateral Below-Knee Amputees (Breakey). Volume 30, Number 3, September, 1976, p. 17.
- Heat Generating Socket, A (Ficociello et al). Volume 31, Number 3, September, 1977, p. 41.
- Hip Disarticulation: A Prosthetic Follow-Up (Schurr et al). Volume 37, Number 3, September, 1983, p. 50.
- How to Prepare an Article for Publication (Pritham et al). Volume 37, Number 1, March, 1983, p. 36.
- Ice Water Quenching Technique for Polypropylene (Belton et al). Volume 33, Number 1, March, 1979, p. 16.
- Imler Partial Foot Prosthesis: IPFP—"The Chicago Boot" (Imler). Volume 39, Number 3, September, 1985, p. 53.
- Immediate Post-Surgical Management of Upper Extremity Amputation: Conventional, Electric, and Myoelectric Prostheses (Malone et al). Volume 35, Number 2, June, 1981, p. 1.
- Interprofessional Relationships (Spencer). Volume 29, Number 4, December, 1975, p. 1.
- Juvenile Amputees Classification and Revision Rates (Shurr et al). Volume 36, Number 2, June, 1982, p. 22.
- Laminated Ultralight Prosthesis, A (Hitzenberger et al). Volume 39, Number 1, March, 1985, p. 41.
- Lightweight Above-Knee Prosthesis with an Adjustable Socket, A (Irons et al). Volume 31, Number 1, March, 1977, p. 3.
- Lightweight Laminated Below Knee Prosthesis, A (Leimkuehler). Volume 36, Number 1, March, 1982, p. 46.
- Low Cost Vacuum-Forming System, (O'Leary et al). Volume 30, Number 1, March, 1976, p. 23.
- Lower Extremity Amputation Problems: Etiology, Manifestations and Prevention (Rubin et al). Volume 39, Number 1, March, 1985, p. 47.
- Lower Limb Modular Prostheses: A Status Report (Wilson, Jr.). Volume 29, Number 1, March, 1975, p. 23.
- Management of Short Above-Knee Amputees (Biederman). Volume 30, Number 4, December, 1976, p. 21.
- Materials Investigation of Failed Plastic Ankle-Foot Orthoses (Lautenschlager). Volume 29, Number 3, September, 1975, p. 25.
- Medical-Social Study of Upper Limb Amputees in Hong Kong—A Preliminary Report (Chan et al). Volume 37, Number 4, December, 1983, p. 43.
- Meeting the Challenge of Partial Hand Amputations (Bender et al). Volume 30, Number 1, March, 1976, p. 3.
- Mobility Aids and Prostheses for a Child with Four Anomalous Limbs (Beck et al). Volume 36, Number 4, December, 1982, p. 29.
- Modification to Lock Mechanism of the Hydra-Nu-Matic Knee Control, A (Pemberton). Volume 29, Number 3, September, 1975, p. 21.
- Modification of the Porous Below-Knee Soft Socket Insert, A (Rubin et al). Volume 32, Number 1, March, 1978, p. 3.
- Modifications of the Switch Control for a Powered Hand on an Elbow Disarticulation Prosthesis (Spaeth). Volume 35, Number 4, December, 1981, p. 45.
- Modified Prosthetic Foot for Pilots, A (Hughes et al). Volume 29, Number 1, March, 1975, p. 33.
- Modular Below Elbow Prosthesis for Children, A (Hodgins et al). Volume 36,

- Number 2, September, 1982, p. 15.
- Multiple Durometer Socket Liners for P.T.B. Prostheses (Staats). Volume 38, Number 4, December, 1985, p. 63.
- Myoelectric Control Systems—A Selected Bibliography (Murphy et al). Volume 35, Number 1, March, 1981, p. 34.
- New Approach to the Symes Amputation and Its Prosthesis, A (Mathur et al). Volume 39, Number 3, September, 1985, p. 47.
- New Design and Construction for a Swimming Prosthesis, A (Marano et al). Volume 38, Number 1, March, 1984, p. 45.
- New Dimensions for Prosthetic Socks (Field). Volume 32, Number 1, March, 1978, p. 10.
- New Material in Orthotics and Prosthetics (Stills et al). Volume 34, Number 3, September, 1980, p. 29.
- New Myoelectric Below-Elbow Prosthesis for Infants (Caldwell). Volume 39, Number 2, June, 1985, p. 72.
- New Trends in the Rehabilitation of Lower Extremity Amputees (Goldberg). Volume 39, Number 1, March, 1985, p. 29.
- Non-Standard Above-Elbow Prosthesis for a Multiply Handicapped Patient, A (Batzdorff). Volume 30, Number 3, September, 1976, p. 37.
- Novel Concept in Fitting Bilateral Above-Knee Amputees: A Case History (Svetz). Volume 37, Number 3, September, 1983, p. 63.
- O.H.C. Knee-Disarticulation Prosthesis, The (Lyquist). Volume 30, Number 2, June, 1976, p. 27.
- Orthoglas Transparent Test Socket—An Old Idea, A New Technology (Pike et al). Volume 36, Number 4, December, 1982, p. 40.
- ORTHOSIL Silicone Gel for Pads and Soft Insert Liners: Technical Note (Black). Volume 37, Number 4, December, 1983, p. 58.
- Orthotists and Prosthetists: Issues in a Developing Profession (Schoenwald et al). Volume 37, Number 3, September, 1983, p. 74.
- Ottawa Experience with Hip Disarticulation Prostheses (van der Waarde). Volume 38, Number 1, March, 1984, p. 29.
- P.A.D.—A New Alignment Device for Prosthetic Systems: The Case of an A.K. Endoskeletal Prosthesis (Pierron et al). Volume 38, Number 4, December, 1984.
- Patterns of Acceptance and Rejection of Upper Limb Prostheses (Burrough et al). Volume 39, Number 2, June, 1985, p. 40.
- Planning and Producing Slide Presentations for Orthotics and Prosthetics (Forsgren et al). Volume 37, Number 1, March, 1983, p. 45.
- Pneumatic Supracondylar Suspension for Knee Disarticulation Prosthesis, A (Bar et al). Volume 31, Number 3, September, 1977, p. 3.
- Pressure Applied by Elastic Prosthetic Bandages: A Comparative Study (Varghese et al). Volume 35, Number 4, December, 1981, p. 30.
- Professionalism: A Review of Its Impact on the Health Services (Rhodes). Volume 38, Number 4, December, 1984, p. 69.
- Prosthesis for Very Short Below-Knee Stumps, A (Seliktar et al). Volume 34, Number 1, March, 1980, p. 25.
- Prosthesis for Foot Amputation Near the Tarsal-Metatarsal Junction, A (Fillauer). Volume 30, Number 3, September, 1976, p. 9.
- Prosthetic Finger Retention: A New Approach (Herring, Jr. et al). Volume 37, Number 2, June, 1983, p. 28
- Prosthetic Implications with the Diabetic Patient (Lange). Volume 36, Number 2, June, 1982, p. 96.
- Prosthetic Management of Adult Hemiporectomy and Bilateral Hip Disarticulation Amputees (Dankmeyer, Jr. et al). Volume 35, Number 4, December, 1981, p. 11.
- Prosthetic Management of a Below-Elbow Amputation with Brachial Plexus Injury (Dralle). Volume 31, Number 2, June, 1977, p. 39.
- Prosthetic Management of the Cancer Patient with High Level Amputation (Lehneis et al). Volume 35, Number 2, June, 1981, p. 10.
- Prosthetic Management of High Bilateral Upper Limb Amputees (Barcome et al). Volume 34, Number 3, September, 1980, p. 22.
- Prosthetic Modifications for the Treatment

- of Marginally Viable Below-Knee Amputations (Garrison). Volume 37, Number 2, June, 1983, p. 53.
- Prosthetic and Orthotic Measuring Table (Gleave et al). Volume 32, Number 2, June, 1978, p. 3.
- Proximal Femoral Focal Deficiency and Its Treatment (Rossi et al). Volume 29, Number 2, June, 1975, p. 37.
- Psychological Adaptation to Amputation: An Overview (Bradway et al). Volume 38, Number 3, September, 1984, p. 46.
- Psychological Aspects of Amputation Surgery, The (Alpert). Volume 36, Number 4, December, 1982, p. 50.
- Quick Change Ankle Disconnect for a Below-Knee Amputation, A (Baehr et al). Volume 32, Number 1, March, 1978, p. 32.
- Rapid Adjust Prosthetic Harness: Technical Note (Radocy). Volume 37, Number 1, March, 1983, p. 55.
- Rationale for Treatment of Complete Brachial Plexus Palsy, A (Shurr et al). Volume 38, Number 3, September, 1984, p. 55.
- Relative Incidences of New Amputations (Kay et al). Volume 29, Number 2, June, 1975, p. 3.
- Review of the Failures on the Use of the Below Elbow Myoelectric Prosthesis, A (Millstein et al). Volume 36, Number 2, June, 1982, p. 29.
- Revised A/K Adjustable Socket, A (Burnette et al). Volume 37, Number 3, September, 1983, p. 38.
- Rubber Sleeve Suspension for Below-Knee Prostheses, The (Giacinto). Volume 30, Number 4, December, 1976, p. 17.
- S.A.F.E. Foot, The (Campbell et al). Volume 34, Number 3, September, 1980, p. 22.
- Seattle Prosthetic Foot—A Design for Active Sports: Preliminary Studies (Burgess et al). Volume 37, Number 1, March, 1983, p. 25.
- Selectively Placed Silicone-Gel Liner System for PTB Prosthesis, The (Graves). Volume 34, Number 2, June, 1980, p. 10.
- Some Clinical Experience with the O.H.C. Knee-Disarticulation Prostheses (Goralnik). Volume 30, Number 2, June, 1976, p. 29.
- Some Non-Standard Prostheses for Children (Setoguchi). Volume 29, Number 1, March, 1975, p. 11.
- Some Thoughts on Nomenclature of Limb Prosthetics (Pritham). Volume 35, Number 2, June, 1981, p. 29.
- Survey of Prosthetics Practice—1973-74 (Fishman et al). Volume 29, Number 3, September, 1975, p. 15.
- Suspension of the Below-Knee Prosthesis: An Overview (Pritham). Volume 33, Number 2, June, 1979, p. 1.
- State of the Art: Delivery of Prosthetics and Orthotics Services—Current Status and Future Needs (Thranhardt). Volume 31, Number 4, December, 1977, p. 43.
- State of the Art: Lower-Limb Prosthetics Current Status and Future Needs (Muilenburg). Volume 31, Number 4, December, 1977, p. 10.
- State of the Art: Upper Limb Prosthetics Current Status Report and Future Needs (LeBlanc). Volume 31, Number 4, December, 1977, p. 6.
- Syme's Prosthesis—A Brief Review and a New Fabrication Technique (Leimkuehler). Volume 34, Number 4, December, 1980, p. 3.
- Technical Note: Casting Technique for Below-Knee Prostheses (Rice). Volume 33, Number 4, December, 1979, p. 51.
- Temporary Below-Knee Prosthetics (Feldman et al). Volume 36, Number 2, March, 1982, p. 103.
- Terminal Question, A (Radocy et al). Volume 35, Number 1, March, 1981, p. 1.
- Terminal Transverse Congenital Limb Deficiency of the Forearm (Shurr et al). Volume 35, Number 3, September, 1981, p. 22.
- Thermoplastic Endoskeletal Prosthesis (Hittenberger). Volume 37, Number 2, June, 1983, p. 45.
- Thigh Corset: Its Effects on the Quadriceps Muscle and Its Role on Prosthetic Suspension (Weiss et al). Volume 37, Number 3, September, 1983, p. 58.
- Toledo Tenodesis Prosthesis—A Case History Utilizing a New Concept in Prosthetics for the Partial Hand Amputee (Cole et al). Volume 38, Number 4, December, 1984, p. 13.
- Two Stage Myoelectric Hand for Children

Article Index—Prosthetics

- and Young Adults (Baron et al). Volume 37, Number 2, June, 1983, p. 11.
- Ultra-Light Prostheses for Below-Knee Amputees (Wilson). Volume 30, Number 1, March, 1976, p. 43.
- Use of Electrical Stimulation in Prosthetics for the Control of Pain (Hittenberger). Volume 36, Number 2, June, 1982, p. 35.
- Use of Thermoplastic Components in Temporary Prostheses (Pritham et al). Volume 30, Number 4, December, 1976, p. 31.
- Use of X-rays and Xerograms in Prosthetics, The (Haslam et al). Volume 37, Number 1, March, 1983, p. 32.
- U.S.M.C. Prosthetic Skin: Technical Note (Lundt). Volume 37, Number 2, June, 1983, p. 59.
- Vacuum-Formed Sockets in Prosthetics Education (Simons et al). Volume 29, Number 2, June, 1975, p. 17.
- Water Safe Prosthetics: Technical Note (Koester). Volume 37, Number 4, December, 1983, p. 63.
- Welding Thermoplastics (Donaldson et al). Volume 31, Number 1, March, 1977, p. 51.
- Wound Dressings: Soft, Rigid, or Semi-Rigid? (Kay). Volume 29, Number 2, June, 1975, p. 59.

# Subject Index: *Orthotics and Prosthetics* 1975-1985

## **ORTHOTICS—Lower Extremity**

- "Committee on Prosthetics Research and Development: Evaluation of the Ortho-Walk Type B Pneumatic Orthosis on Thirty-seven Paraplegic Patients," Volume 31, Number 1, March, 1977, p. 29.
- "The Design and Prescription of Above-Knee Orthoses," Volume 31, Number 3, September, 1977, p. 31.
- "State of the Art: Lower Limb Orthotics," Volume 31, Number 4, January, 1978, p. 21.
- "Plastics in Lower-Limb Orthotics," Volume 32, Number 1, March, 1978, p. 25.
- "Reinforced Lower-Limb Orthosis Design Principles," Volume 32, Number 2, June, 1978, p. 35.
- "Orthotic Management of the Late Post-Polio Patient," Volume 33, Number 1, March, 1979, p. 50.
- "The Diabetic Patient: Orthotic Considerations," Volume 33, Number 3, September, 1979, p. 32.
- "A New Concept in the Fabrication of Double Upright Orthoses," Volume 38, Number 3, September, 1984, p. 69.

## **ORTHOTICS—Lower Extremity—Foot**

- "The Orthotic Care of the Denervated Foot in Hansen's Disease," Volume 30, Number 1, March, 1976, p. 33.
- "The Shoe as a Component of the Orthosis," Volume 30, Number 2, June, 1976, p. 13.

- "The Treatment of Plantar Fasciitis and Calcaneal Spurs with the UC-BL Shoe Insert," Volume 31, Number 2, June, 1977, p. 23.
- "The Salop Skate—An Orthosis for Improving 'Drag-to' Gait," Volume 32, Number 3, September, 1978.
- "An Effective Orthotic Design for Controlling the Unstable Subtalar Joint," Volume 33, Number 1, March, 1979, p. 39.
- "A Subjective Comparison of Spenco® and PPT® Soft Tissue Supplements Used in Footgear," Volume 35, Number 3, September, 1981, p. 17.
- "Negative Anatomically Modified Foot Orthosis (NAMFO)," Volume 37, Number 3, September, 1983, p. 24.
- "Orthotic Control of Ground Reaction Forces During Running (A Preliminary Report)," Volume 38, Number 3, September, 1984, p. 9.
- "A Case Study: Functional Positioning Toe Restoration," Volume 39, Number 3, September, 1985, p. 57.
- "Tuli's—A Dynamic Heel Cup Which Effectively Reduces the Shock of Heel Strike," Volume 39, Number 3, September, 1985, p. 35.

## **ORTHOTICS—Lower Extremity—Ankle-Foot**

- "Polypropylene Spiral Ankle-Foot Orthosis," Volume 29, Number 2, June, 1975, p. 33.
- "A Knee Stabilizing Ankle-Foot Orthosis with Adjustable Spring-Loaded Ankle," Volume 29, Number 3, September, 1975, p. 11.

- "Materials Investigation of Failed Plastic Ankle-Foot Orthoses," Volume 29, Number 3, September, 1975, p. 25.
- "Thermoformed Ankle-Foot Orthoses," Volume 29, Number 4, December, 1975, p. 41.
- "Vacuum-Formed Orthoses for Fracture of the Tibia," Volume 30, Number 2, June, 1976, p. 43.
- "Clinical Experience with the 'Solid Ankle' Orthosis," Volume 30, Number 3, September, 1976, p. 13.
- "Modification of the Posterior Leaf-Spring Orthosis," Volume 30, Number 3, September, 1976, p. 35.
- "The Effects of Heel Height and Ankle-Foot Orthoses Configurations on Weight Line Location: A Demonstration of Principles," Volume 30, Number 4, December, 1976, p. 43.
- "Some Biomechanical Considerations in the Design of Ankle-Foot Orthoses," Volume 31, Number 3, September, 1977, p. 45.
- "Procedures for Obtaining Casts for Ankle-Foot Orthoses," Volume 32, Number 2, June, 1978, p. 12.
- "An Ankle-Foot Orthosis for Immobilization of the Ankle," Volume 32, Number 3, September, 1978, p. 3.
- "A New Ankle-Foot Orthosis Combining the Advantages of Metal and Plastics," Volume 33, Number 1, March, 1979.
- "The Influence of Heel Design on a Rigid Ankle-Foot Orthosis," Volume 33, Number 4, December, 1980, p. 3.
- "Technical Note: Growth Extensions and Adjustments in Children's Polypropylene Ankle-Foot Orthosis," Volume 33, Number 4, December, 1980, p. 46.
- "Technical Note: The AFO and Ankle Control," Volume 33, Number 4, December, 1980, p. 46.
- "Application of the Varus T-Strap Principle to the Polypropylene Ankle-Foot Orthosis," Volume 36, Number 1, March, 1982, p. 67.
- "Kinematic Comparison of the BiCaal Orthosis and the Rigid Polypropylene Orthosis in Stroke Patients," Volume 36, Number 2, June, 1982, p. 49.
- "Use of Anterior Floor Reaction Orthosis in Patients with Cerebral Palsy," Volume

- 37, Number 4, December, 1983, p. 34.
- "Case Study: A Multiple Form Plastic Ankle-Foot Orthosis," Volume 38, Number 1, March, 1984, p. 68.
- "The Denver 'T' Ankle-Foot Orthosis: A Unique Orthotic Approach in Selected Hemiplegic Patients," Volume 39, Number 3, September, 1985, p. 26.

## ORTHOTICS—Lower Extremity—Knee

- "Polypropylene Knee Orthosis with Subpatellar Latex Strap," Volume 29, Number 3, September, 1975, p. 29.
- "An External-Cruciate-Ligament Orthosis," Volume 29, Number 3, September, 1975, p. 3.
- "An Orthosis for Medial or Lateral Stabilization of Arthritic Knees," Volume 29, Number 4, December, 1975, p. 21.
- "Fabrication and Fitting of the CARS-UBC Knee Orthosis," Volume 30, Number 2, June, 1976, p. 3.
- "VAPC Prescription Procedures for Knee Orthoses and Knee-Ankle-Foot Orthoses," Volume 31, Number 3, September, 1977, p. 9.
- "The Iowa Knee Orthosis," Volume 32, Number 1, March, 1978, p. 20.
- "Evaluation of C.A.R.S.-U.B.C. Knee Orthosis," Volume 33, Number 1, March, 1979, p. 25.
- "Knee Cylinder," Volume 33, Number 4, December, 1980, p. 11.
- Orthotic Management of Thoraco-Lumbar Spine Fractures with a 'Total Contact' Plastic TLSO," Volume 33, Number 3, September, 1979, p. 10.
- "The Lerman Multi-Ligamentous Knee Control Orthosis," Volume 36, Number 1, March, 1982, p. 63.
- "A Comparison of Pistoning Forces in Orthotic Knee Joints," Volume 36, Number 2, June, 1982, p. 85.
- "Orthotic Management of Knee Injuries in Athletes with Lenox Hill Orthosis," Volume 36, Number 4, December, 1982, p. 23.
- "A New Concept in Orthotics Joint Design—Northwestern University Knee Orthosis System," Volume 37, Number 4, December, 1983, p. 15.

"The Use of Prophylactic Knee Orthosis at Iowa State University," Volume 37, Number 4, December, 1983, p. 54.

"A New Concept in Orthotics—The Northwestern Knee Orthosis System, Part II: The Complete Orthosis," Volume 38, Number 1, March, 1984, p. 13.

"TRIO," Volume 38, Number 4, December, 1984, p. 34.

"Orthosis and the Dynamic Knee: A Basic Overview," Volume 39, Number 2, June, 1985, p. 33.

### **ORTHOTICS—Lower Extremity—Knee-Ankle-Foot**

"A Patellar-Tendon-Bearing Orthosis," Volume 29, Number 1, March, 1975, p. 35.

"An Adjustable Plastic Thigh Section and Knee Joint for Femoral-Fracture Orthoses," Volume 30, Number 3, September, 1976, p. 3.

"VAPC Prescription Procedures for Knee Orthoses and Knee-Ankle-Foot Orthoses," Volume 31, Number 3, September, 1977, p. 9.

"Orthotic Management for Genu Recurvatum and Genu Varus," Volume 32, Number 3, September, 1978, p. 25.

"Principles of Design for Lower Limb Orthotics," Volume 36, Number 4, December 1982, p. 33.

"LSU Lively Orthosis," Volume 38, Number 4, December, 1984, p. 24.

"An Alternate System for Locking the Knee Joint: A Case Study," Volume 39, Number 2, June, 1985, p. 61.

### **ORTHOTICS—Lower Limb—Hip**

"A Modified Orthosis for Prevention of Recurrent Dislocation of Hip Arthroplasties," Volume 29, Number 3, September, 1975, p. 39.

"Pitfalls in the Use of the Pavlik Harness for Treatment of Congenital Dysplasia, Subluxation, and Dislocation of the Hip," Volume 36, Number 4, December, 1982, p. 13.

### **ORTHOTICS—Lower Extremity—Hip-Knee-Ankle-Foot**

"A Dynamic Orthotics System to Assist Pelvic Extensions: A Preliminary Report," Volume 29, Number 1, March, 1975, p. 3.

"Another Use for a Standing Orthosis," Volume 30, Number 3, September, 1976, p. 29.

"A Modified Standing Orthosis," Volume 30, Number 3, September, 1976, p. 25.

"A Dynamic Orthotic System for Young Myelomeningoceles—A Preliminary Report," Volume 30, Number 4, December, 1976, p. 47.

"An Orthosis for a Patient with a Failed Total Hip Prosthesis," Volume 31, Number 3, September, 1977, p. 27.

"The Polypropylene Single-Hip Spica," Volume 32, Number 3, September, 1978, p. 7.

"Femoral Immobilizer," Volume 33, Number 4, December, 1979, p. 39.

"Parapodium Design with Knee and Hip Locks," Volume 34, Number 2, June, 1980, p. 14.

"Variable Abduction HKAFO for Spina Bifida Children," Volume 34, Number 2, June, 1980, p. 3.

"Hip, Knee, Ankle, Foot Orthosis: Lateral Bar Design with Spring Extension Assist Hip Joints," Volume 36, Number 4, December, 1982, p. 44.

"Fabrication and Fitting Instructions: Tri-lateral Perthes Orthosis," Volume 37, Number 4, December, 1983, p. 24.

"The Development of a Molded Pelvic Girdle and the Pelvic Casting Fixture," Volume 38, Number 4, December, 1984, p. 49.

"Contemporary Trends in the Orthotic Management of Legg-Calve-Perthes Disease," Volume 39, Number 1, March, 1985, p. 62.

"Quadruple Hip Joint Calipers for Extensive Neuromuscular Disorders," Volume 39, Number 1, March, 1986, p. 74.

**ORTHOTICS—Spinal—Lumbo Sacral**

- "Low Back Pain and the Cottrell 90/90 Backtrac® System," Volume 37, Number 2, June, 1983, p. 31.
- "Case Report: Use of Rib Compression Belt for Pain in Osteoporosis," Volume 39, Number 2, June, 1985, p. 75.

**ORTHOTICS—Spinal—Thoraco Lumbo Sacral**

- "A Refined Concept in the Orthotics Management of Scoliosis—A Preliminary Report," Volume 29, Number 4, December, 1975, p. 7.
- "A New Orthotic Concept in the Non-Operative Treatment of Ideopathic Scoliosis," Volume 32, Number 4, December, 1978, p. 15.
- "Thermoplastic Body Jackets for Post-Spinal Fusion Patients with Scoliosis," Volume 33, Number 3, September, 1979, p. 20.
- "The Thoracic Suspension Jacket—Review of Principles and Fabrication," Volume 38, Number 1, March, 1984, p. 36.
- "Vertebral Compression Fractures—Treatment with a Composite Thoraco-Lumbar Orthosis," Volume 38, Number 4, December, 1984, p. 75.
- "Use of Modified Boston Brace System (B.O.B.) for Back Pain: Clinical Indications," Volume 39, Number 3, September, 1985, p. 41.

**ORTHOTICS—Spinal—Cervico Thoraco Lumbo Sacral**

- "Modification of Outtrigger on Milwaukee Orthosis," Volume 29, Number 3, September, 1975, p. 42.
- "The Orthotic Management of Lumbar Lordosis and the Relationship to the Treatment of Thoraco-Lumbar Scoliosis and Juvenile Kyphosis," Volume 32, Number 2, June, 1978, p. 27.
- "A New Cervico Neck Ring for the Ideopathic Scoliosis C.T.L.S.O.," Volume 38, Number 4, March, 1984, p. 50.

**ORTHOTICS—Spinal—Cervical**

- "A New Effective Means for Supine, Home Cervical Traction," Volume 39, Number 2, June, 1985, p. 52.
- "Comparison of Three Prefabricated Cervical Collars," Volume 39, Number 4, December, 1985, p. 21.

**ORTHOTICS—Spinal—Cervico Thoraco**

- "The Modified Minihalo," Volume 30, Number 1, March, 1976, p. 41.
- "Maxillofacial Protective Headgear," Volume 31, Number 1, March, 1979, p. 25.
- "A New Non-Invasive Halo Orthosis for Immobilization of the Cervical Spine," Volume 32, Number 1, March, 1978, p. 16.
- "Static Rotational Control Cervical Orthosis for the Treatment of Congenital Muscular Torticollis and Associated Plagiocephaly and Hemihypoplasia," Volume 36, Number 1, March, 1982, p. 13.
- "The Halo Girdle Brace Application," Volume 37, Number 2, June, 1983, p. 39.
- "New Orthosis for Fixation of the Cervical Spinal—Fronto-Occipito-Zygomatic Orthosis," Volume 38, Number 3, September, 1984, p. 41.
- "A Multi-Adjustable Cervical Orthosis for Use in the Treatment of Torticollis (A Case Study)," Volume 38, Number 3, September, 1984, p. 51.
- "Role of Cephalo Cervico Thoracic Dynamic Splint in Management of Congenital Torticollis," Volume 38, Number 4, December, 1984, p. 54.
- "A New Bed Frame Device to Minimize Halo Movement," Volume 39, Number 3, September, 1985.
- "The Open Back Ring Halo Orthosis," Volume 39, Number 3, September, 1985, p. 21.

**ORTHOTICS—Spinal—Adjunct and Assistive Devices**

- "Maxillofacial Protective Headgear," Volume 31, Number 1, March, 1977, p. 25.

## **ORTHOTICS—Upper Extremity**

- "Wheelchair Based Upper Extremity Orthotics," Volume 36, Number 1, March, 1982, p. 41.
- "Survey: Current Orthotic Practices in Occupational Therapy," Volume 36, Number 2, June, 1982, p. 42.

## **ORTHOTICS—Upper Extremity—Hand**

- "Orthosis for Rheumatoid Fingers," Volume 34, Number 2, June 1980, p. 25.
- "A Case Study: Use of a Terminal Device to Augment a Paralyzed Hand," Volume 37, Number 4, December, 1983, p. 49.
- "A Breath Activated Switching Mechanism for the Electric Powered Prehension Orthosis: Design and Fabrication," Volume 39, Number 4, December, 1985, p. 29.

## **ORTHOTICS—Upper Extremity—Wrist-Hand**

- "An Orthosis for Correction of Ulnar Deviation," Volume 29, Number 4, December, 1975, p. 33.
- "The Functional Ratchet Orthotic System," Volume 32, Number 2, June, 1978, p. 21.
- "Tissue Pressure Tolerance as a Guide to Wrist-Hand Orthosis Design," Volume 32, Number 3, September, 1978, p. 37.
- "H' Shaped Wrist-Hand Orthosis," Volume 33, Number 1, March, 1979, p. 22.
- "An Adjustable Writing Device for Use with a Definitive Wrist-Hand Orthosis," Volume 39, Number 4, December, 1985, p. 40.

## **ORTHOTICS—Upper Extremity—Elbow**

- "The Use of Polypropylene in an Upper-Limb Orthosis," Volume 29, Number 1, March, 1975, p. 19.
- "A Dynamic Plastic Elbow-Extension Orthosis for Reduction of Flexion Contractures," Volume 30, Number 4, December, 1976, p. 47.

- "An Orthosis for the Flail Elbow," Volume 31, Number 2, June, 1977, p. 35.
- "The VAPC Functional Elbow Orthosis," Volume 34, Number 1, March, 1980, p. 13.
- "Modular Prefabricated Orthosis for Treatment of Elbow Flexion Contractures," Volume 34, Number 4, December, 1980, p. 26.
- "An Extension Orthosis for Management of Elbow Flexion Contractures," Volume 36, Number 1, March, 1982, p. 50.

## **ORTHOTICS—Upper Extremity—Elbow-Wrist-Hand**

- "A Tri-Correctional Upper Limb Orthosis," Volume 34, Number 1, March, 1980, p. 41.
- "Triceps Pronation-Supination Orthosis," Volume 36, Number 4, December, 1982, p. 57.

## **ORTHOTICS—Upper Extremity—Shoulder- Elbow-Wrist-Hand**

- "'Zero Position' Functional Shoulder Orthosis of Double Upright Orthoses," Volume 38, Number 3, September, 1984, p. 63.
- "The 'Orthotic Arm': A Case Report," Volume 39, Number 2, June, 1985, p. 65.
- "New Orthosis for Treatment of Hemiplegic Shoulder Subluxation," Volume 39, Number 3, September, 1985, p. 14.

## **ORTHOTICS—Materials and Methods**

- "Welding Thermoplastics," Volume 31, Number 1, March, 1977, p. 51.
- "A Prosthetic and Orthotic Measuring Table," Volume 32, Number 2, June, 1978, p. 3.
- "Metrication in the United States and Canada," Volume 32, Number 3, September, 1978, p. 49.
- "Clinical Application of RTV Elastomers," Volume 33, Number 4, December, 1979, p. 23.

- "Ice Water Quenching Technique for Polypropylene," Volume 33, Number 1, March, 1979, p. 16.
- "A New Material in Orthotics and Prosthetics," Volume 34, Number 3, September, 1980, p. 29.
- "A New Concept in the Fabrication of Double Upright Orthoses," Volume 38, Number 3, September, 1984, p. 69.
- "A Breath Activated Switching Mechanism for the Electric Powered Prehension Orthosis: Design and Fabrication," Volume 39, Number 4, December, 1985, p. 29.

## **ORTHOTICS—Seating Systems**

- "Seating and Positioning for the Physically Impaired," Volume 31, Number 2, June, 1977, p. 11.
- "The 'Gilette' Sitting Support Orthosis," Volume 32, Number 4, December, 1978, p. 35.
- "The Electronically Power-Assisted Seat Lift: Is It Helpful? Appraisal of Its Function," Volume 33, Number 3, September, 1979, p. 25.
- "A Method for Custom Seating of the Severely Disabled," Volume 35, Number 4, December, 1981, p. 19.
- "The Chicago Insert: An Approach to Wheelchair Seating for the Maintenance of Spinal Posture in Duchenne Muscular Dystrophy," Volume 35, Number 4, December, 1981, p. 27.

## **ORTHOTICS—Education**

- "Interprofession Relationships," Volume 29, Number 4, December, 1975, p. 1.
- "Education and Training," Volume 31, Number 2, June, 1977, p. 3.
- "Rationale for Orthotic Residence Programs," Volume 34, Number 3, September, 1980, p. 38.
- "How to Prepare an Article for Publication," Volume 37, Number 1, March, 1983, p. 36.
- "Planning and Producing Slide Presentations for Orthotics and Prosthetics," Volume 37, Number 1, March, 1983, p. 45.

- "The Demand for Orthotics and Prosthetics Technicians: Preliminary Survey Results," Volume 37, Number 3, September, 1983, p. 67.
- "Orthotists and Prosthetists: Issues in a Developing Profession," Volume 37, Number 3, September, 1983, p. 74.

## **ORTHOTICS—Patient Care Management**

- "VAPC Prescription Procedures for Knee Orthoses and Knee-Ankle-Foot Orthoses," Volume 31, Number 3, September, 1977, p. 9.
- "The Design and Prescription of Above-Knee Orthoses," Volume 31, Number 3, September, 1977, p. 31.
- "State of the Art: Upper Limb Orthotics," Volume 31, Number 4, December, 1977, p. 14.
- "State of the Art: Delivery of Prosthetics and Orthotics Services—Current Status and Future Needs," Volume 31, Number 4, December, 1977, p. 43.
- "Orthotic Management of the Late Post-Polio Patient," Volume 33, Number 1, March, 1979, p. 50.
- "Accomplishments in Modern Orthotic Patient Management—Indications for the Future," Volume 33, Number 3, September, 1979, p. 3.
- "The Diabetic Patient: Orthotic Considerations," Volume 33, Number 3, September, 1979, p. 32.
- "The Delivery of Orthotic and Prosthetic Services in America—A Physical Therapist's Point of View," Volume 38, Number 1, March, 1984, p. 55.

## **PROSTHETICS—Lower Extremity**

- "Lower Limb Modular Prostheses: A Status Report," Volume 29, Number 1, March, 1975, p. 23.
- "Wound Dressing: Soft, Rigid, or Semi-rigid?," Volume 29, Number 2, June, 1975, p. 59.

- "Proximal Femoral Focal Deficiency and Its Treatment," Volume 29, Number 2, June, 1975, p. 37.
- "Use of Thermoplastic Components in Temporary Prostheses," Volume 30, Number 4, December, 1976, p. 31.
- "Clinical Evaluation of an Acrylic Latex Material Used as a Prosthetic Skin on Limb Prosthetics," Volume 33, Number 4, December, 1979, p. 30.
- "Comparing the Effectiveness of Elastic Bandages and Shrinker Socks for Lower Extremity Amputees," Volume 36, Number 1, March, 1982, p. 30.
- "Prosthetic Implications with the Diabetic Patient," Volume 36, Number 2, June, 1982, p. 96.
- "A New Design and Construction for a Swimming Prosthesis," Volume 38, Number 1, March, 1984, p. 45.
- "The Enhancement of Prosthetics Through Xeroradiography," Volume 39, Number 1, March, 1985, p. 14.
- "New Trends in Rehabilitation of Lower Extremity Amputees," Volume 39, Number 1, March, 1985, p. 29.
- "Distal Femur Rotation-Plasty Prosthesis," Volume 39, Number 2, June, 1985, p. 48.

## **PROSTHETICS—Lower Extremity—Foot**

- "A Modified Prosthetic Foot for Pilots," Volume 29, Number 1, March, 1975, p. 33.
- "A Prosthesis for Foot Amputation Near the Tarsal-Metatarsal Junction," Volume 29, Number 2, September, 1975, p. 9.
- "The S.A.F.E. Foot," Volume 34, Number 3, September, 1980, p. 22.
- "The Seattle Prosthetic Foot—A Design for Active Sports: Preliminary Studies," Volume 37, Number 1, March, 1983, p. 25.
- "A Case Study: Special Choparts Prosthesis with Custom Molded Foot," Volume 38, Number 4, December, 1984, p. 79.
- "Imler Partial Foot Prosthesis: IPFP—'The Chicago Boot'," Volume 39, Number 3, September, 1985, p. 53.

## **PROSTHETICS—Lower Extremity—Below-Knee**

- "An Evaluation of Three Casting Techniques for Patellar-Tendon-Bearing Prostheses," Volume 29, Number 2, June, 1975, p. 21.
- "A Below-Knee Weight-Bearing, Pressure-Formed Socket Technique," Volume 29, Number 4, December, 1975, p. 37.
- "Ultra-Light Prostheses for Below-Knee Amputees," Volume 30, Number 1, March, 1976, p. 43.
- "Another Use for a Standing Orthosis," Volume 30, Number 3, September, 1976, p. 29.
- "Gait of Unilateral Below-Knee Amputees," Volume 30, Number 3, September, 1976, p. 17.
- "The Rubber Sleeve Suspension for Below-Knee Prostheses," Volume 30, Number 4, December, 1976, p. 17.
- "Clinical Experience and Functional Considerations of Axial Rotators for the Amputee," Volume 31, Number 2, June, 1977, p. 29.
- "A Modification of the Porous Below-Knee Soft Socket Insert," Volume 32, Number 1, March, 1978, p. 3.
- "A Quick Change Ankle Disconnect for a Below-Knee Amputation," Volume 32, Number 1, March, 1978, p. 32.
- "Suspension of the Below-Knee Prosthesis: An Overview," Volume 33, Number 2, June, 1979, p. 1.
- "Evaluation of Ultralight BK Prosthesis," Volume 33, Number 2, June, 1979, p. 45.
- "Technical Note: Casting Technique for Below-Knee Prostheses," Volume 33, Number 4, December, 1979, p. 51.
- "A Prosthesis for Very Short Below-Knee Stumps," Volume 34, Number 1, March, 1980, p. 25.
- "The Selectively Placed Silicone-Gel Liner System for PTB Prosthesis," Volume 34, Number 2, June, 1980, p. 10.
- "Syme's Prosthesis—A Brief Review and a New Fabrication Technique," Volume 34, Number 4, December, 1980, p. 3.
- "The Berkeley Endoskeletal Below-Knee Modular System," Volume 35, Number 4, December, 1981, p. 37.

- "A Lightweight Laminated Below-Knee Prosthesis," Volume 36, Number 1, March, 1982, p. 46.
- "Temporary Below-Knee Prosthetics," Volume 36, Number 2, March, 1982, p. 103.
- "Thermoplastic Endoskeletal Prosthesis," Volume 37, Number 2, June, 1983, p. 45.
- "Prosthetic Modifications for the Treatment of Marginally Viable Below-Knee Amputations," Volume 37, Number 2, June, 1983, p. 53.
- "A Below-Knee Vacuum Casting Technique," Volume 37, Number 3, September, 1983, p. 15.
- "Fabrication of the Water-Resistant Recreational B/K Prosthesis," Volume 37, Number 3, September, 1983, p. 42.
- "The Thigh Corset: Its Effects on the Quadriceps Muscle and Its Role on Prosthetic Suspension," Volume 37, Number 3, September, 1983, p. 58.
- "ORTHOSIL Silicone Gel for Pads and Soft Insert Liners (Technical Note)," Volume 37, Number 4, December, 1983, p. 58.
- "Water Safe Prosthetics (Technical Note)," Volume 37, Number 4, December, 1983, p. 63.
- "The Application of Nickelplast in Fabricating a PTB Insert," Volume 38, Number 1, March, 1984, p. 71.
- "Multiple Durometer Socket Liners in P.T.B. Prostheses," Volume 38, Number 4, December, 1984, p. 63.
- "A Laminated Ultralight Prosthesis," Volume 39, Number 1, March, 1985, p. 41.
- "A New Approach to the Symes Amputation and Its Prosthesis," Volume 39, Number 3, September, 1985, p. 47.

### **PROSTHETICS—Lower Extremity—Above Knee**

- "A Modification to Lock Mechanism of the Hydra-Nu-Matic Knee Control," Volume 29, Number 3, September, 1975, p. 21.
- "Above Knee Prosthesis SC-75," Volume 29, Number 4, December, 1975, p. 15.
- "The O.H.C. Knee-Disarticulation Prosthesis," Volume 30, Number 2, June, 1976, p. 27.

- "Some Clinical Experience with the O.H.C. Knee-Disarticulation Prosthesis," Volume 30, Number 2, June, 1976, p. 29.
- "Above Knee Polypropylene Pelvic Joint and Band," Volume 30, Number 4, December, 1976, p. 41.
- "Management of Short Above-Knee Amputees," Volume 30, Number 4, December, 1976, p. 21.

### **PROSTHETICS—Lower Extremity—Above-Knee**

- "A Lightweight Above-Knee Prosthesis with an Adjustable Socket," Volume 31, Number 1, March, 1977, p. 3.
- "A Pneumatic Supracondylar Suspension for Knee Disarticulation Prosthesis," Volume 31, Number 3, September, 1977, p. 3.
- "Clinical Experience and Functional Considerations of Axial Rotators for the Amputee," Volume 31, Number 2, June, 1977, p. 29.
- "An Active Bilateral Above-Knee Amputee—A Case Report," Volume 34, Number 4, December, 1980, p. 33.
- "Flexible Above-Knee Socket Made from Low Density Polyethylene, Suspended by a Weight Transmitting Frame," Volume 37, Number 1, March, 1983, p. 25.
- "A Novel Concept in Fitting Bilateral Above-Knee Amputees: A Case History," Volume 37, Number 3, September, 1983, p. 63.
- "A Revised A/K Adjustable Socket," Volume 37, Number 3, September, 1983, p. 38.
- "The P.A.D.—A New Alignment Device for Prosthetic Systems (The Case of an A.K. Endoskeletal Prosthesis)," Volume 38, Number 4, December, 1984.
- "Experience with the Scandinavian Flexible Socket," Volume 39, Number 2, June, 1985, p. 17.

## **PROSTHETICS—Lower Extremity—Hip**

- "Prosthetics Management of the Cancer Patient with High Level Amputation," Volume 35, Number 1, March, 1981, p. 10.
- "Prosthetic Management of Adult Hemiporectomy and Bilateral Hip Disarticulation Amputees," Volume 35, Number 4, December, 1981, p. 11.
- "Hip Disarticulation: A Prosthetic Follow-Up," Volume 37, Number 3, September, 1983, p. 50.
- "Ottawa Experience with Hip Disarticulation Prostheses," Volume 38, Number 1, March, 1984, p. 29.
- "The Flexible Socket System as Applied to the Hip Disarticulation Amputee," Volume 39, Number 4, December, 1985, p. 44.

## **PROSTHETICS—Lower Extremity—Adjunct and Assistive Devices**

- "Mobility Aids and Prostheses for a Child with Four Anomalous Limbs," Volume 36, Number 4, December, 1982, p. 29.

## **PROSTHETICS—Upper Extremity**

- "Myoelectric Control Systems—A Selected Bibliography," Volume 35, Number 1, March, 1981, p. 34.
- "The Biomechanics of Control of Upper-Extremity Prostheses," Volume 35, Number 1, March, 1981, p. 7.
- "Immediate Post-Surgical Management of Upper Extremity Amputation: Conventional, Electric, and Myoelectric Prostheses," Volume 35, Number 2, June, 1981, p. 1.
- "The Rapid Adjust Prosthetic Harness (Technical Note)," Volume 37, Number 1, March, 1983, p. 55.
- "A Medical-Social Study of Upper Limb Amputees in Hong Kong—A Preliminary Report," Volume 37, Number 4, December, 1983, p. 43.

- "Patterns of Acceptance and Rejection of Upper Limb Prostheses," Volume 39, Number 2, June, 1985, p. 40.

## **PROSTHETICS—Upper Extremity—Hand**

- "Meeting the Challenge of Partial Hand Amputations," Volume 30, Number 1, March, 1976, p. 3.
- "Prosthetic Finger Retention: A New Approach," Volume 37, Number 2, June, 1983, p. 28.
- "An Alternative to Fitting Partial Hand Amputees," Volume 38, Number 1, March, 1984, p. 64.
- "The Toledo Tenodesis Prosthesis—A Case History Utilizing a New Concept in Prosthetics for the Partial Hand Amputee," Volume 38, Number 4, December, 1984, p. 13.

## **PROSTHETICS—Upper Extremity—Below Elbow**

- "A Heat Generating Socket," Volume 31, Number 3, September, 1977, p. 41.
- "Prosthetic Management of a Below-Elbow Amputation with Brachial Plexus Injury," Volume 31, Number 2, June, 1977, p. 39.
- "Terminal Transverse Congenital Limb Deficiency of the Forearm," Volume 35, Number 3, September, 1981, p. 22.
- "A Modular Below Elbow Prosthesis for Children," Volume 36, Number 3, September, 1982, p. 15.
- "A Review of the Failures on the Use of the Below Elbow Myoelectric Prosthesis," Volume 36, Number 2, June, 1982, p. 29.
- "Two Stage Myoelectric Hand for Children and Young Adults," Volume 37, Number 2, June, 1983, p. 11.
- "A New Myoelectric Below-Elbow Prosthesis for Infants," Volume 39, Number 2, June, 1985, p. 72.
- "The Application of ISNY Principles to the Below-Elbow Prosthesis," Volume 39, Number 4, December, 1985, p. 16.

## **PROSTHETICS—Upper Extremity—Above Elbow**

- "A Non-Standard Above-Elbow Prosthesis for a Multiply Handicapped Patient," Volume 30, Number 3, September, 1976, p. 37.
- "Prosthetic Management of High Bilateral Upper Limb Amputees," Volume 34, Number 3, September, 1980, p. 22.
- "Modifications of the Switch Control for a Powered Hand on an Elbow Disarticulation Prosthesis," Volume 35, Number 4, December, 1981, p. 45.
- "A Rationale for Treatment of Complete Brachial Plexus Palsy," Volume 38, Number 3, September, 1984, p. 55.

## **PROSTHETICS—Upper Extremity—Adjunct and Assistive Devices**

- "Crutch Walking and Functional Grasp in the Congenital Triple Amputee," Volume 33, Number 4, December, 1979, p. 19.

## **PROSTHETICS—Materials and Methods**

- "Some Non-Standard Protheses for Children," Volume 29, Number 1, March, 1975, p. 11.
- "Lower Limb Modular Protheses: A Status Report," Volume 29, Number 1, March, 1975, p. 23.
- "A Low Cost Vacuum-Forming System," Volume 30, Number 1, March, 1976, p. 23.
- "Use of Thermoplastic Components in Temporary Protheses," Volume 30, Number 4, December, 1976, p. 31.
- "Welding Thermoplastics," Volume 31, Number 1, March, 1977, p. 51.
- "New Dimensions for Prosthetic Socks," Volume 32, Number 1, March, 1978.
- "A Prosthetic and Orthotic Measuring Table," Volume 32, Number 2, June, 1978, p. 3.

- "Ice Water Quenching Technique for Polypropylene," Volume 33, Number 1, March, 1979, p. 16.
- "Clinical Application of RTV Elastomers," Volume 33, Number 4, December, 1979, p. 23.
- "Clinical Evaluation of an Acrylic Latex Material Used as a Prosthetic Skin on Limb Prosthetics," Volume 33, Number 4, December, 1979, p. 30.
- "A New Material in Orthotics and Prosthetics," Volume 34, Number 3, September, 1980, p. 29.
- "A Terminal Question," Volume 35, Number 1, March, 1981, p. 1.
- "Immediate Post-Surgical Management of Upper Extremity Amputation: Conventional, Electric, and Myoelectric Protheses," Volume 35, Number 2, June, 1981, p. 1.
- "The Orthoglas Transparent Test Socket—An Old Idea, A New Technology," Volume 36, Number 4, December, 1982, p. 40.
- "The Seattle Prosthetic Foot—A Design for Active Sports: Preliminary Studies," Volume 37, Number 1, March, 1983, p. 35.
- "The U.S.M.C. Prosthetic Skin (Technical Note)," Volume 37, Number 2, June, 1983, p. 59.
- "ORTHOSIL Silicone Gel for Pads and Soft Insert Liners (Technical Note)," Volume 37, Number 4, December, 1983, p. 58.
- "Water Safe Prosthetics (Technical Note)," Volume 37, Number 4, December, 1983, p. 63.
- "A New Design and Construction for a Swimming Prosthesis," Volume 38, Number 1, March, 1984, p. 45.
- "New Trends in the Rehabilitation of Lower Extremity Amputees," Volume 39, Number 1, March, 1985, p. 29.
- "Lower Extremity Amputation Problems: Etiology, Manifestations and Prevention," Volume 39, Number 1, March, 1985, p. 47.
- "The Development of a New Interface," Volume 39, Number 1, March, 1985, p. 70.

## PROSTHETICS—Education

- "Interprofessional Relationships," Volume 29, Number 4, December, 1975, p. 1.
- "Education and Training Directions," Volume 31, Number 2, June, 1977, p. 3.
- "Some Thoughts on Nomenclature of Limb Prosthetics," Volume 35, Number 2, June, 1981, p. 29.
- "How to Prepare an Article for Publication," Volume 37, Number 1, March, 1983, p. 36.
- "Planning and Producing Slide Presentations for Orthotics and Prosthetics," Volume 37, Number 1, March, 1983, p. 45.
- "The Demand for Orthotics and Prosthetics Technicians: Preliminary Survey Results," Volume 37, Number 3, September, 1983, p. 67.
- "Orthotists and Prosthetists: Issues in a Developing Profession," Volume 37, Number 3, September, 1983, p. 74.
- "A Medical-Social Study of Upper Limb Amputees in Hong Kong—A Preliminary Report," Volume 37, Number 4, December, 1983, p. 43.
- ing System," Volume 30, Number 2, June, 1976, p. 31.
- "Gait of Unilateral Below-Knee Amputees," Volume 30, Number 3, September, 1976, p. 17.
- "State of the Art: Upper Limb Prosthetics Current Status Report and Future Needs," Volume 31, Number 4, December, 1977, p. 6.
- "State of the Art: Lower Limb Prosthetics Current Status and Future Needs," Volume 31, Number 4, December, 1977, p. 10.
- "State of the Art: Delivery of Prosthetics and Orthotics Services—Current Status and Future Needs," Volume 31, Number 4, December, 1977, p. 43.
- "New Dimensions for Prosthetic Socks," Volume 32, Number 1, March, 1978.
- "Adapted Driver Education Publications," Volume 32, Number 3, September, 1978, p. 56.
- "Development Factors in the Care of Adolescent Amputees," Volume 34, Number 3, September, 1980, p. 17.
- "The Connection," Volume 34, Number 4, December, 1980, p. 19.
- "The Biomechanics of Control of Upper-Extremity Prostheses," Volume 35, Number 1, March, 1981, p. 7.

## PROSTHETICS—Patient Care Management

- "Some Non-Standard Prostheses for Children," Volume 29, Number 1, March, 1975, p. 11.
- "Relative Incidences of New Amputations," Volume 29, Number 2, June, 1975, p. 3.
- "Vacuum-Formed Sockets in Prosthetics Education," Volume 29, Number 2, June, 1975, p. 17.
- "Proximal Femoral Focal Deficiency and Its Treatment," Volume 29, Number 2, June, 1975, p. 37.
- "Wound Dressings: Soft, Rigid, or Semi Rigid?," Volume 29, Number 2, June, 1975, p. 59.
- "A Survey of Prosthetics Practice—1973-74," Volume 29, Number 3, September, 1975, p. 15.
- "Assessment of Amputee Rehabilitation Using a Text-Generating Data Process-
- ing System," Volume 30, Number 2, June, 1976, p. 31.
- "Gait of Unilateral Below-Knee Amputees," Volume 30, Number 3, September, 1976, p. 17.
- "State of the Art: Upper Limb Prosthetics Current Status Report and Future Needs," Volume 31, Number 4, December, 1977, p. 6.
- "State of the Art: Lower Limb Prosthetics Current Status and Future Needs," Volume 31, Number 4, December, 1977, p. 10.
- "State of the Art: Delivery of Prosthetics and Orthotics Services—Current Status and Future Needs," Volume 31, Number 4, December, 1977, p. 43.
- "New Dimensions for Prosthetic Socks," Volume 32, Number 1, March, 1978.
- "Adapted Driver Education Publications," Volume 32, Number 3, September, 1978, p. 56.
- "Development Factors in the Care of Adolescent Amputees," Volume 34, Number 3, September, 1980, p. 17.
- "The Connection," Volume 34, Number 4, December, 1980, p. 19.
- "The Biomechanics of Control of Upper-Extremity Prostheses," Volume 35, Number 1, March, 1981, p. 7.
- "Immediate Post-Surgical Management of Upper Extremity Amputation: Conventional, Electric, and Myoelectric Prostheses," Volume 35, Number 2, June, 1981, p. 1.
- "Current Theories and Treatments Related to Phantom Limb Pain," Volume 35, Number 3, September, 1981, p. 26.
- "Pressure Applied by Elastic Prosthetic Bandages: A Comparative Study," Volume 35, Number 4, December, 1981, p. 30.
- "Comparing the Effectiveness of Elastic Bandages and Shrinker Socks for Lower Extremity Amputees," Volume 36, Number 1, March, 1982, p. 30.
- "Juvenile Amputees Classification and Revision Rates," Volume 36, Number 2, June, 1982, p. 22.
- "Use of Electrical Stimulation in Prosthetics for the Control of Pain," Volume 36, Number 2, June, 1982, p. 35.

## Subject Index

- "Clinical Experience with Triple Amputations," Volume 36, Number 2, June, 1982, p. 69.
- "Prosthetic Implications with the Diabetic Patient," Volume 36, Number 2, June, 1982, p. 96.
- "The Psychological Aspects of Amputation Surgery, Volume 36, Number 4, December, 1982, p. 50.
- "The Use of X-rays and Xerograms in Prosthetics," Volume 37, Number 1, March, 1983, p. 32.
- "The Delivery of Orthotic and Prosthetic Services in America—A Physical Therapist's Point of View," Volume 38, Number 1, March, 1984, p. 55.
- "Psychological Adaptation to Amputation: An Overview," Volume 38, Number 3, September, 1984, p. 46.
- "Professionalism: A Review of Its Impact on the Health Services," Volume 38, Number 4, December, 1984, p. 69.
- "Patterns of Acceptance and Rejection of Upper Limb Prostheses," Volume 39, Number 2, June, 1985, p. 40.

# Reviews

**Charles H. Pritham, C.P.O.**

*The Injured Athlete, Second Edition.* Edited by Daniel N. Kuland. J.B. Lippincott Co., East Washington Square, Philadelphia, Pennsylvania 19105, 1988.

This is a very extensive and far ranging book. It covers not only injuries and various sections of the body affected but also such diverse subjects as training, conditioning, psychology, and drug use. Fundamentally it is written for an audience that does not include prosthetists/orthotists. An orthotist, however, who finds himself deeply involved in a sports medicine situation should find it a useful resource.

*Fabrication Procedures For The ISNY AK and BK Flexible Socket Systems, Prosthetics and Orthotics,* New York University Postgraduate Medical School, 317 East 34th Street, New York, New York 10016.

The original edition of this manual was published in 1984. It has been newly revised and updated and now, as the title indicates, includes material on the BK socket. The techniques involved are presented in a very clear and explicit fashion. Alternate techniques to the fabrication of the AK quadrilateral flexible socket have been presented in other quarters. The technique presented here is doubtlessly as practical and useful as any. The matter of providing a flexible socket system for some of the newer socket configurations is not covered, however. This is probably just as well, considering the confusion that has and continues to surround these variants.

Despite anecdotal evidence of trouble with durability that has arisen from some locales, it would seem that AK flexible sockets have been proven to be quite useful and have been quite well accepted. The situation would seem to be nowhere near as clear in the case of BK socket systems. The impression exists that they have not been well accepted clinically. It would be a

boon to the field if the authors of this report would conduct a poll of the individuals who have learned the technique from them to ascertain whether or not the technique has indeed proven itself to be clinically useful.

*The Musculoskeletal System Physiological Basics,* James Gibson Gamble. Raven Press, 1185 Avenue of the Americas, New York, New York 10036, 1988.

This is a very brief book intended to cover the basics of such topics as genetics, embryology, bone morphology, and similar topics for clinicians. The author's intent was to cover the basics in brief sections and to relate the material in a practical fashion to clinical practice. Fundamentally he was writing for orthopedic residents.

The orthotist/prosthetist wishing to know more about the basic science involved in orthopedics and rehabilitation would undoubtedly find the book useful. However, it does presume a sophisticated level of knowledge in chemistry, biology, and physiology, and some may find it heavy going.

*Upper Limb Deficiencies in Children,* Douglas Lamb, and Hamish Law. Little Brown and Company, 34 Beacon Street, Boston, Massachusetts 02108, 1987.

The authors, one an orthopedic surgeon and the other an engineer, both from Edinborough, Scotland, are recognized leaders in the field. In this brief book, they cover their approach to treating congenital deformities of the upper extremity. It covers surgical reconstruction, amputation, engineering principles of prosthetics, prosthetics, and orthotics. It is well thought out and very well illustrated. An American prosthetist would find it both interesting and useful. It must be born in mind, however, that British practice differs from



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Check the adjacent chart for a comparison and you'll find that titanium is both lighter and stronger than stainless steel—and just as easy to fabricate. Titanium cuts, drills, buffs and bends as easy as stainless steel while cutting hip joint weight by 40%.

Use the following product numbers to get more muscle out of a lighter weight hip joint.

- Regular Titanium Hip Joint—P02-23H-D001
- Small Titanium Hip Joint—P02-23S-M001
- Pelvic Band—P02-340-0000

**STAINLESS STEEL**  
Tensile Strength  
125,000PSI

**TITANIUM**  
Tensile Strength  
140,000PSI

	Weight	Weight
Regular Hip Joint	8.5 oz. (242 gm.)	5.2 oz. (147 gm.)
Small Hip Joint	4.7 oz. (132 gm.)	3.2 oz. (90 gm.)
Hip Band	9.7 oz. (274 gm.)	4.1 oz. (117 gm.)

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American, and the American reader will confront unfamiliar points of view and concepts—not a bad thing, in and of itself.

*The Diabetic Foot, Fourth Edition.* Edited by Marvin E. Levin, and Lawrence W. O'Neil. C.V. Mosby Company, 11830 Westline Industrial Drive, St. Louis, Missouri 63146, 1988.

The topic covered by this book is an important one. A sense of the importance may be gained by considering a few of the statistics cited in the Preface:

1. 15% of all diabetics suffer foot ulcers.
2. 20% of hospital admissions among diabetics are for foot problems.
3. 50% of all non traumatic amputations occur among diabetics.
4. Over 40,000 major amputations take place each year among diabetics.
5. A significant amount of the total expense, \$14 billion, needed for diabetic care in the U.S. is due to care of the diabetic foot.

It should perhaps be concluded, therefore, that prevention and treatment of neopathic ulcers of the diabetic foot should assume a much greater prominence than they do.

The goal of this book is to describe the treatment of the foot problems of diabetics from a multi-disciplinary point of view. As

such, portions of the book are not of interest to orthotists/prosthetists except as background material. Of greater interest, however, are chapters that describe the mechanics of injury and treatment modalities. These modalities include such expedients as total contact casts, shoe inserts, shoe modifications, and custom made devices. All of these point to a role for the orthotist working in conjunction with other members of the treatment team. While the book is devoted to intervention before amputation, there is a chapter that briefly discusses prosthetics and rehabilitation after amputation. This latter section may perhaps be best considered as an orientation for specialists in areas other than orthopedics and rehabilitation.

This is a useful and interesting book that should be studied by all orthotists/prosthetists.

# Classified Ads

In order to properly calculate the number of words in (and the cost of) a classified advertisement according to the method used by AOPA, the advertiser should do the following. Add up every character in the ad, including commas, hyphens, etc. Divide the sum by five (we consider a word to consist of 5 characters) to find the total number of words. Then figure the cost based on these rates: MEMBERS—first 30 words \$32.00. Each additional word \$1.50. NON-MEMBERS—first 30 words \$78.00. Each additional word \$4.00. Responses to AOPA Box numbers are forwarded unopened free of charge. Advertisements are to be paid in advance. Make checks payable to AOPA. Send to AOPA, 717 Pendleton Street, Alexandria, VA 22314. No classified ads will be taken by phone.

## CERTIFIED PROSTHETIST

Sought to join established staff in new facility. Duties will include evaluation, fabrication, and fitting of all types of prostheses. Salary commensurate with experience. Send resume to:

Advanced Ortho Lab  
24395 Greenfield  
Southfield, MI 48075

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## CPO/CO

Progressive CPO/CO skilled in comprehensive and contemporary patient and staff management. Numerous opportunities exist in this professional career position. Maine Orthotic Lab is an orthotic/physician therapy facility located two hours out of Boston in beautiful Portland, Maine. Call or write to discuss possibilities: 300 Park Avenue, Portland, ME 04102; (207) 773-8818.

---

## CP/CPO

Opening soon for dynamic prosthetist with experience. Only the best need apply. All correspondence confidential. Send resume and salary requirements to: Dennis Cole, CP, Austin Prosthetics Center, Inc., 900 East 30th Street, Suite 205, Austin, TX 78705.

## CP/CO/CPO or Board Eligible

Excellent opportunity for practitioners in J.E. Hanger, Inc. Baltimore, MD and Buffalo, NY facilities with management potential. Salaries commensurate with experience. Pension, health plan, moving allowance, and other fringes. Replies confidential. Technician and assistant positions also available at varied locations. Call or write:

J.M. Cestaro, CPO  
c/o Washington Prosthetic Supplies  
(A division of J.E. Hanger, Inc.)  
40 Patterson Street, NE  
Washington, DC 20002  
(202) 789-0052

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## PROSTHETIST CERTIFIED OR BOARD ELIGIBLE

Full time position available immediately with Shriners Hospital for Crippled Children, 516 Carew Street, Springfield, MA 01104. An orthopaedic/pediatric hospital treating children from infancy to 21 years of age. Prosthetic and orthotic care provided for inpatients and outpatients. Outreach clinics include Maine, New York and Puerto Rico. Excellent salary and benefits. Send resume or call: Edward Skewes, CPO, Director of Orthotic and Prosthetic Department, (413) 787-2080 or (413) 781-6750.

**PROSTHETIST AND/OR ORTHOTIST**

Certified or Board Eligible for our Southgate, Michigan branch. Health, dental and pension benefits paid. Salary negotiable. Send resume to: E.H. Rowley Co., Inc., 11330 Woodward Avenue, Detroit, MI 48202.

**ORTHOTIC TECHNICIANS**

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**ORTHOTIC/  
PROSTHETIC  
OPPORTUNITIES**  
**Howard A. Rusk Institute  
of Rehabilitation Medicine**

Challenging opportunities are immediately available for certified or eligible orthotists/prosthetists in both clinical and research environments:

**CPO/CLINICAL:** Duties include clinic attendance, patient management, supervision of OP Technicians and related duties.

**CP/RESEARCH:** Position open for prosthetist to be involved in exciting federally-sponsored research program in lower limb prosthetics, including computerization. Computer literacy highly desirable.

We offer an excellent salary and benefits package including FREE NYU TUITION. Send resume or Call COLLECT Joan Harmon, Personnel Department, NYU Medical Center, 550 First Avenue, New York, NY 10016, 212-340-6661. An Equal Opportunity Employer M/F.



**New York University  
Medical Center**

Insert this page into *Orthotics and Prosthetics*, 42/1 (Spring, 1988)  
under "Certificate Programs," pp. 46-65.

*Orthotics and Prosthetics*, Volume 42, Number 1, insert.

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# Florida International University

University Park  
Miami, Florida 33199  
(305) 554-2870

<b>Program:</b>	Prosthetics/Orthotics Certificate Program
<b>Degree or Certificate Awarded:</b>	Certificate in Prosthetics & Orthotics
<b>ABC Accreditation:</b>	To be applied for
<b>Level of Training:</b>	Practitioner
<b>Prerequisites/Entrance Requirements:</b>	See Program Description, p. 31
<b>Medical School Affiliation:</b>	University of Miami, Department of Orthopedics
<b>Number of New Students Admitted:</b>	Orthotics and Prosthetics—12
<b>Faculty/Student Ratio:</b>	1:6
<b>Length of Program:</b>	Two years
<b>Date of Courses:</b>	Classes commence August of each year
<b>Application Deadline:</b>	March 1
<b>Address of Registrar:</b>	Florida International University, Office of Admissions, University Park, Miami, Florida 33199

## THE UNIVERSITY

Florida International University, committed to the pursuit of excellence in a rapidly changing world, provides its students with intellectual challenge, an enriching campus life, a cosmopolitan atmosphere, and experiences that develop self-confidence. FIU prepares individuals to excel as effective contributors to their professions and their communities.

A member of the Florida State University System, FIU has the highest minimum

entrance requirements in Florida, higher than most American universities. Students must present a record of above-average high school achievement and commensurate test scores to be offered admission to FIU. These rigorous standards create a learning climate with students who are motivated to succeed.

See pages 30-34 for more information on the FIU program.



Insert the following pages into *Orthotics and Prosthetics*, 42/1 (Spring 1988)  
under Baccalaureate Programs

*Orthotics and Prosthetics*, Volume 42, Number 1, insert.  
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# University of Washington

Division of Prosthetics and Orthotics  
Department of Rehabilitation and Medicine  
School of Medicine RJ-30  
University of Washington  
Seattle, Washington 98195  
(206) 545-7411

<b>Program:</b>	Prosthetics-Orthotics Bachelor of Science Program
<b>Degree or Certificate Awarded:</b>	Bachelor of Science—Prosthetics and Orthotics are taught in the same program
<b>Level of Training:</b>	Practitioner
<b>ABC Accreditation:</b>	Fully accredited
<b>Prerequisites/Entrance Requirements:</b>	Biology (general) 10 credits; Physics (general) 10 credits; Biological Structures (Human Physiology) 5 credits; Zoology 118 or 208 (Human Physiology) 5 credits; Psychology 100 or 101 (general) 5 credits; plus proficiency and distribution requirements.
<b>Medical School Affiliation:</b>	University of Washington School of Medicine
<b>Number of New Students Admitted:</b>	12 total
<b>Faculty/Student Ratio:</b>	1:6
<b>Length of Program:</b>	Two academic years plus a 12-week clinical affiliation
<b>Dates of Courses:</b>	Students admitted Autumn quarter (September) only
<b>Application Deadline:</b>	February 15
<b>Address of Registrar:</b>	Office of Admissions, 320 Schmitz Hall, PC-30 University of Washington, Seattle, Washington 98195; (206) 545-7411



The University of Washington prosthetics/orthotics program is housed at the University's Medical School.

## PROGRAM DESCRIPTION

The course of study leading to a Bachelor of Science in Prosthetics-Orthotics requires a minimum of four academic years plus twelve weeks of clinical affiliation. This program is divided into two parts: a preparatory phase and a professional phase.

During the preparatory phase students are enrolled in the College of Arts and Sciences. All proficiency requirements, all prerequisite courses and the distribution requirements must be completed during this phase. Completion of part or all of the preparatory phase at another college or university is acceptable. Students who elect to enroll in other institutions should compare the catalog descriptions of the prerequisite courses to assure equivalency of content.

The professional phase requires two academic years plus a final twelve weeks of full-time clinical affiliation. This phase must be taken in sequence, beginning Autumn Quarter, and only at the University of Washington. Admission into this phase of the program is competitive.

Applications for admission to the pro-

fessional phase of this curriculum are due February 15. Applications received after the deadline will not be considered until a decision has been made on all applications which had been received on time. Students selected for admission into this phase are enrolled in the School of Medicine as Prosthetics-Orthotics majors.

Upon successful completion of the entire program, students are awarded a Bachelor of Science degree by the School of Medicine, University of Washington.

## APPLICATION PROCEDURE

A. To the University: For information on admission to the University of Washington, students should contact:

Office of Admissions  
320 Schmitz Hall, PC-30  
Seattle, Washington 98195

Requirements are outlined in the University of Washington Bulletin available from the University Book Store:

University Book Store  
4326 University Way N.E.  
Seattle, Washington 98105

All students who plan to enter the University of Washington in order to complete their pre-selection requirements should request admission into the college of Arts and Sciences. Students who are transferring from another institution and who have completed all pre-selection requirements should request admission into the School of Medicine as a Prosthetics-Orthotics major after they have been accepted into the professional phase of the curriculum.

Because of enrollment limitations at the University, transfer students are wise to submit their applications to the Office of Admissions early, in the event they wish to attend the University of Washington, whether accepted into the professional phase of the Prosthetics-Orthotics curriculum or not. Otherwise, they may wish to wait for an acceptance notice to the professional phase of the Prosthetics-Orthotics curriculum before submitting a University application. Upon notice of acceptance, immediate application to the University is necessary, as the deadline for University admission for the Autumn Quarter is approximately July 1. The University Office of Admissions may deny admission to any student who fails to meet University requirements.

- B. To the Professional Phase of the Prosthetic-Orthotic Curriculum: Application information is available from the curriculum secretary in Room CC902, University Hospital.

The following is an outline of the application procedure for prospective prosthetic-orthotic students (please note deadlines):

1. Submit an application form, academic record summary (contained in the application material) and attach working copies of transcript(s) to the curriculum office no later than February 15.
2. Arrange to have three (3) references completed and returned to the curriculum office by February 15. These should be from persons

whom the applicant feels can best judge his/her abilities. Only those references received on or before February 15 will be included in the applicant's folder, since rating begins shortly after that time.

3. Sign release on application form to allow members of the Advisory and Evaluation Committee access to information contained in transcripts and other application documents.
4. A personal interview is highly recommended and may be required.

## PRE-SELECTION REQUIREMENTS

- A. Coursework prerequisite to professional phase: By the end of the Autumn Quarter or semester of the year prior to expected admission, the student must have completed a minimum of 22 quarter credits of the 29-34 credits in required courses (see list following) or their equivalents at other schools, with a minimum prerequisite grade point average of 2.5 on a 4.0 scale.

All students must submit a reasonable plan for completing any remaining unsatisfied prerequisite courses during Winter, Spring and/or Summer quarters or semesters prior to the Autumn Quarter the applicant plans to enroll, and must continue to maintain a cumulative grade point average of 2.5 in prerequisite courses. Specific required prerequisite courses are (total = 29-34 credits):

1. Biology 101-102: General (10 credits) of Microbiology 301-302: General (3 and 2 credits)  
NOTE: Chemistry 102 is prerequisite to Microbiology
2. Physics 114, 115, 117, 118: General (10 credits)
3. Biological Structure 301: Human Anatomy (4 credits)
4. Zoology 118 or 208: Human Physiology (5 credits)
5. Psychology 100 or 101: General (5 credits)

- B. Proficiency Requirements: During the pre-professional program, University of Washington students are required to complete the Arts and Sciences proficiency requirements of 15 credits in English composition, mathematics and/or foreign language. (Students whose high school preparation included four years of English, three years of a single foreign language, and three years of college preparatory mathematics are considered to have satisfied this requirement.) In addition, students transferring with 85 credits or more from another institution are not required to complete additional work under this requirement.
- C. Distribution Requirements: Students must complete 60 credits, with 20 credits each from Humanities, Social Sciences and Natural Sciences. Coursework taken to satisfy the proficiency requirement cannot be counted in the distribution credits, however, courses taken to satisfy the prerequisites above may count toward distribution credits.
- D. Total Cumulative Grade Point Requirement: Students must have achieved a cumulative grade point average of 2.0 on all college work by the end of the Autumn quarter or semester prior to admission in order to be considered for admission to the program. This grade point average must be maintained during any remaining coursework completed prior to the point of entry into the professional phase of the program.

## SELECTION CRITERIA

Five criteria are used to rate students during the preliminary faculty rating of applicants. These are: academic ability, knowledge of the field, service orientation, communication skills, and potential for contribution to the field.

Students from Washington, Oregon, Idaho, Montana, and Alaska receive the highest priority in the selection process. Re-applicants have no advantage or disad-

vantage over new applicants. Ratings are based strictly on merit.

## SELECTION PROCESS

- A. Each Prosthetic-Orthotic faculty member will independently rate all eligible applicants as number 1, 2, and so forth. The sum of the ratings of the faculty members will determine the rank position of each applicant.
- B. Results of the rating system will be presented to the Prosthetics-Orthotics Advisory and Evaluation Committee which will make the final recommendation regarding admission to the program, taking into account residency or other special considerations.
- C. Each applicant will be notified of final acceptance, provisional acceptance, alternative status, or denial on or about March 25 following the meeting of the Advisory and Evaluation Committee.
- D. Those applicants who receive final acceptance or provisional acceptance letters must notify the curriculum office in writing within two (2) weeks of the receipt of the letter from the Advisory and Evaluation Committee of their acceptance of a position in the curriculum.
- E. Provisional acceptance will be converted to final acceptance when evidence has been received that all requirements (prerequisite, proficiency, and distribution credits) have been met. Written verification must reach the curriculum office by September 1.
- F. Provisional acceptance will convert to denial if the above conditions have not been met by September 1.

## STUDENT ACHIEVEMENT AND PROMOTION

Students must maintain a 2.5 curriculum grade point average based on a 4.0 scale in the required courses as listed above in order to be in satisfactory standing in the professional phase of the Prosthetics-Or-

thotics curriculum. At the end of any quarter when a student's performance falls below that point, he/she is placed on academic probation. Students are allowed two additional consecutive quarters to bring the professional phase grade point average to a 2.5. During this period they remain on academic probation. Those students not meeting the above standard will be dropped from the curriculum and advised to transfer to an alternative major within the University or to withdraw from the University.

The grade of 0.7 or less in a required course is not acceptable toward graduation. Students must re-enroll and satisfactorily complete the course prior to graduation. Under rules promulgated by the Faculty of the Department of Rehabilitation Medicine, a course may be repeated only one time. A student receiving a grade of less than 2.0 in a professional phase course will be required to repeat the course upon the recommendation of the faculty and the Advisory and Evaluation Committee. The Advisory and Evaluation Committee reserves the right to dismiss a student from the curriculum if for any reason he/she fails to complete admission requirements or requirements relating to scholastic progress in the Prosthetic and Orthotic curriculum.

All students are reviewed by the Advisory and Evaluation Committee at the end of the first year of the professional phase of the program or whenever necessary to determine their fitness for progression in the program.

## PROFESSIONAL PHASE CURRICULUM

The following schedule is the quarter by quarter sequence of courses in which all prosthetics-orthotics students enroll at the beginning of the Autumn Quarter. Only University of Washington coursework is accepted toward professional phase requirements.

### Third Year

Course	Hours	
	Autumn	Winter
REHAB 332 Pathologic Physiology	5	REHAB 320 Medical Sciences 4
REHAB 343 Upper Extremity Orthotics	6	REHAB 341 Upper Extremity Prosthetics I 4
REHAB 444 Function of the Locomotor System	4	REHAB 445 Function of the Locomotor System 4
REHAB 451 Anatomy Laboratory	1	REHAB 452 Anatomy Laboratory 1
	Total 16	Total 13

## SCHOLARSHIP AND FINANCIAL AID

Information on scholarships and financial assistance may be obtained from: Office of Financial Aid, 105 Schmitz Hall, University of Washington, Seattle, Washington 98195.

The University of Washington, as a standing policy, does not discriminate against individuals because of their race, color, religion, age, sex, national origin, handicap, or status as a disabled veteran or Vietnam era veteran. Any discriminatory action can be a cause for disciplinary action. This policy applies to all University programs and facilities, including, but not limited to, admissions, educational programs, and employment. Such discrimination is prohibited by Titles VI and VII of the Civil Rights Act of 1964, and Title IX of the Education Amendments of 1972, Section 503 and 504 of the Rehabilitation Act of 1973, Age Discrimination in Employment Act Amendments of 1978, Vietnam Era Veterans' Readjustment Assistance Act of 1974, and other federal and state statutes and regulations. Coordination of the compliance efforts of the University of Washington with respect to all of these laws and regulations is under the direction of the Equal Employment Officer, Dr. Philip W. Cartwright, 140 Administration, AF-16, Seattle, Washington 98195.

**Baccalaureate Programs (insert)**

<i>Spring</i>				<i>Summer</i>		
REHAB 321	Medical Sciences	4		REHAB 420	Lower Extremity Prosthetics I	8
REHAB 342	Upper Extremity Prosthetics II	4		REHAB 427	Applied Prosthetics and Orthotics	1
REHAB 442	Clinical Biomechanics and Kinesiology	6		REHAB 430	Advanced Limb Prosthetics and Engineering Concepts	4
REHAB 443	Kinesiology Laboratory	<u>2</u>				
	Total	16			Total	13

**Fourth Year**

<i>Course</i>	<i>Hours</i>				
	<i>Autumn</i>	<i>Winter</i>			
REHAB 414	Psychological Aspects of Physical Disabilities	3	REHAB 340	Spinal Orthotics	3
REHAB 421	Lower Extremity Prosthetics II	11	REHAB 423	Lower Extremity Orthotics	8
REHAB 427	Applied Prosthetics and Orthotics I	<u>1</u>	REHAB 427	Applied Prosthetics and Orthotics I	1
	Total	15	REHAB 429	Immediate Post-Operative and Early Fitting	<u>3</u>
				Total	15

<i>Spring</i>	
REHAB 428	Applied Prosthetics and Orthotics I
	<u>5</u>
	Total
	5

**Summary of Credits—  
Professional Phase**

Third Year	58 credits
Fourth Year	<u>35 credits</u>
Total	93 credits

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# NATIONAL HEADQUARTERS ORDER FORM

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## AOPA

### PUBLICATIONS

### COST\*

Accounting Manual		\$ 20.00 (\$75.00)
1976-77 Bill of Materials		5.00 ( 50.00)
1977 Business Survey		20.00 (100.00)
1983 Business Survey		20.00 (100.00)
1985 Business Survey		20.00 (100.00)
1987 Business Survey		20.00 (100.00)
Patient Management Records & Related Business Forms		20.00 (100.00)
AOPA Yearbook		12.50 ( 75.00)
Medicare Manual (3rd Edition)		25.00 (100.00)
Durable Medical Equipment (DME)		15.00 (100.00)
HCFA Common Procedure Coding System Manual (HCPCS)		5.00 ( 30.00)
Pictorial Manual	1-10	20.00 ( 50.00)
	11-100	18.00
	101+	16.00
FDA Compliance Guide		10.00 ( 30.00)
AOPA Insignia Repro		2.50
Hygienic Problems of the Amputee		.35
AOPA Scarves		\$ 8.50
AOPA Member Labels		Call for prices

### FACILITY FORMS

(Developed by conference of prosthetists)

### COST\*

Upper Extremity Measurement Forms	\$ .20
Lower Extremity Measurement Forms	.15
Medical History Forms	.15
Progress Reports	.15

## ABC

ABC Insignia Repro	\$ 2.50
ABC Sleeve Patches ___ CO ___ CP ___ CPO	3.50
Practitioner, Facility, Technician or Assistant Labels	Call for prices
ABC Registry	
Practitioner or Facility/ABC	7.50
Non O&P/ABC	20.00
ABC logo lapel pins	5.00
ABC stick pins	5.00

## Academy

AAOP Lapel/Tie Pins	\$ 3.00
Academy Member Labels	Call for prices
AAOP Insignia Repro	2.50
Patient Care Pamphlet— "Plastic Ankle-Foot Orthosis" (Spanish version also available)	Call for prices

## NATIONAL OFFICE

Public Relations Handbook	
AOPA, Academy, ABC	\$15.00
Non O&P	50.00
Orthotics and Prosthetics Brochure	
1-25	\$1.50 each
26-200	\$1.05 each + shipping
201+	\$ .90 each + shipping

\*non-member costs in parentheses

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

Please make your check payable to the appropriate organization (one check per organization).

NAME/ORGANIZATION \_\_\_\_\_

ADDRESS \_\_\_\_\_

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Name of Item	Organization	Quantity	Cost
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Mail to: 717 Pendleton Street, Alexandria, Virginia 22314.



Reprinted below is the application required by ABC for those wishing accreditation for their education programs. Please use this form when applying for credits.

# American Board for Certification in Orthotics and Prosthetics

## Application for Continuing Education Activities

### Group A—Accredited Instruction

Educational Activity: \_\_\_\_\_

Date(s) of Program: \_\_\_\_\_

Institution and Location: \_\_\_\_\_

Sponsor: \_\_\_\_\_

Number of credit units applied for: \_\_\_\_\_

---

### Prerequisite

- A. SUBMISSION 60 DAYS PRIOR TO PRESENTATION. (If presenters or subject matter changes within the sixty days notify ABC directly.)
- B. Time frames must be presented: *example—9:00 to 9:45 (in & out)*
- C. Brief description of subject matter.
- D. Along side of, or under the presenters, his or her credentials.
- E. What categories they are applying for Continuing Education Units in: *example—Scientific, Business, etc.*

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### Comments

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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### For Official Use Only

Course received late: Yes  Date Received \_\_\_\_\_ No   
Course Approved: Yes  Date Received \_\_\_\_\_ No

If Disapproved or Number of Credit Units Reduced,  
Please State Reason(s).

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Received in National Office: \_\_\_\_\_

Sent Committee: \_\_\_\_\_

Final Committee Action: \_\_\_\_\_

\_\_\_\_\_  
Signature

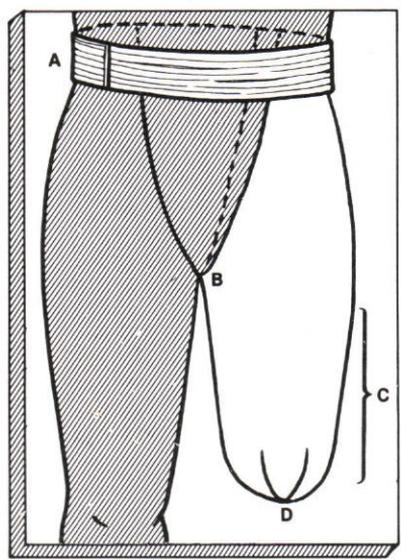
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## in STANDARD SIZES



- A. easy to adjust**, hook and pile, elongated side opening waist band, adaptable for left or right amputation
- B. slide support** for proximal edge at groin can be attached at any point on waist band or easily detached and removed
- C. tapered design** for gradient pressure; heavy or medium pressure available
- D. superior 3-DIMENSIONAL** support and shaping of distal end; garment length from groin to distal end should be one to two inches shorter than actual measurement so that proper snugging of distal end will not result in roll at groin

**ORDER DESIRED SIZES, PRESSURES AND LENGTHS AS FOLLOWS:**

FLAT MEAS.		FITS CIR.		Length	Heavy Pressure	P/C Medium Pressure	Sold Each (EA)
Toe	Top	Toe	Top				
4"	6"	12"-14 1/2"	15"-17"	7"	2HPH6407	2HPM6407	
			10"	10"	2HPH6410	2HPM6410	
			13"	13"	2HPH6413	2HPM6413	
4"	7"	17 1/2"-20 1/2"	7"	7"	2HPH7407	2HPM7407	
			10"	10"	2HPH7410	2HPM7410	
			13"	13"	2HPH7413	2HPM7413	
4"	8"	21"-23"	7"	7"	2HPH8407	2HPM8407	
			10"	10"	2HPH8410	2HPM8410	
			13"	13"	2HPH8413	2HPM8413	
5"	7"	15"-17 1/2"	17 1/2"-20 1/2"	7"	2HPH7507	2HPM7507	
			10"	10"	2HPH7510	2HPM7510	
			13"	13"	2HPH7513	2HPM7513	
5"	8"	21"-23"	7"	7"	2HPH8507	2HPM8507	
			10"	10"	2HPH8510	2HPM8510	
			13"	13"	2HPH8513	2HPM8513	
5"	9"	23 1/2"-25 1/2"	7"	7"	2HPH9507	2HPM9507	
			10"	10"	2HPH9510	2HPM9510	
			13"	13"	2HPH9513	2HPM9513	
6"	8"	18"-22"	21"-23"	7"	2HPH8607	2HPM8607	
			10"	10"	2HPH8610	2HPM8610	
			13"	13"	2HPH8613	2HPM8613	
6"	9"	23 1/2"-25 1/2"	7"	7"	2HPH9607	2HPM9607	
			10"	10"	2HPH9610	2HPM9610	
			13"	13"	2HPH9613	2HPM9613	
6"	10"	26"-29"	7"	7"	2HPH0607	2HPM0607	
			10"	10"	2HPH0610	2HPM0610	
			13"	13"	2HPH0613	2HPM0613	

**CARE INSTRUCTIONS:** Turn inside out before washing. May be machine washed (Warm Temp. — no bleach) and dried (low temp.)

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