PUBLICATIONS OF INTEREST

The Journal's "Publications of Interest" list is compiled by Lily W. Hom, M.L.S., M.S., who is Technical Information Specialist of the Office of Technology Transfer.

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To obtain a copy or reprint of a specific paper, our readers are advised to direct inquiries to the appropriate author. The name and address of the author to be contacted appears at the end of each listing. In most instances, a reprint of a recent paper is available as a professional courtesy from the author.

A book or report should be obtained from the publisher. The name and address of the publisher, and the price, appear with the listing.

BIOENGINEERING

The development of biomedical engineering: historical comments and personal observations. Schwan HP. IEEE Trans Biomed Eng 1984 Dec;BME-31(12):730-736.
(CONTACT: Herman P. Schwan, Dept. of Bioengineering, University of Pennsylvania, Philadelphia, PA 19104, USA)

A device for generation of electromagnetic fields of extremely low frequency. Wahlstrom O and Knutsson H. J Biomed Eng 1984 Oct;6(4):293-296.
(CONTACT: O. Wahlstrom, Dept. of Orthopaedic Surgery and Electrical Engineering, Linkoping University, Linkoping, Sweden)

Electrical treatment of non-united fractures. Ahl T, Andersson G, Herberts P, and Kalen R. Acta Orthop Scand 1984 Dec;55(6): 585-588.
(CONTACT: Torbjorn Ahl, Dept. of Orthopaedics, Danderyd Hospital, S-182 88, Danderyd, Sweden)

The emerging field of clinical engineering and its accomplishments. Schwartz MD. IEEE Trans Biomed Eng 1984 Dec;BME-31 (12):743-748.
(CONTACT: Morton D. Schwartz, School of Engineering, California State University, Long Beach, CA 90840, USA)

Electro-mechanical behavior of wet bone—Part I: theory. Guzelsu N and Saha S. J Biomech Eng 1984 Aug;106(3):249-261.
(CONTACT: N. Guzelsu, Bioengineering Program, Rutgers University, Piscataway, NJ 08854, USA)

Electro-mechanical behavior of wet bone—Part II: wave propagation. Guzelsu N and Saha S. J Biomech Eng 1984 Aug;106(3): 262-271.
(CONTACT: N. Guzelsu, Bioengineering Program, Rutgers University, Piscataway, NJ 08854, USA)

External control of the neuromuscular system. Solomonow M. IEEE Trans Biomed Eng 1984 Dec;BME-31(12):752-763.
(CONTACT: Moshe Solomonow, Bioengineering Lab, Dept. of Orthopaedic Surgery, Louisiana State University Medical Center, New Orleans, LA 70112, USA)

Impacts of technological revolution on health care. Attinger EO. IEEE Trans Biomed Eng 1984 Dec;BME-31(12):736-743.
(CONTACT: E.O. Attinger, Dept. of Biomedical Engineering, University of Virginia, Charlottesville, VA 22908, USA)

Mathematical modeling and simulation of the postural control loop—Part II. Agarwal GC and Gottlieb GL. CRC Crit Rev Biomed Eng 1984;11(2):113-154.
(CONTACT: Gyan C. Agarwal, Depts. of Industrial and Systems Engineering and of Bioengineering, University of Illinois at Chicago, Chicago, IL 60680, USA)

Mathematical modeling and simulation of the postural control loop—Part III. Agarwal GC and Gottlieb GL. CRC Crit Rev Biomed Eng 1984;12(1):49-93.
(CONTACT: Gyan C. Agarwal, Depts. of Industrial and Systems Engineering and of Bioengineering, University of Illinois at Chicago, Chicago, IL 60680, USA)

Methods of complex impedance measurements in biologic tissue. Ackmann JJ and Seitz MA. CRC Crit Rev Biomed Eng 1984;11(4): 281-311.
(CONTACT: James J. Ackmann, Dept. of Neurosurgery, Medical College of Wisconsin, Milwaukee, WI, USA)

Methods of data smoothing for instantaneous centre of rotation measurements (Technical Note). Bryant JT, Wevers HW, and Lowe PJ. Med Bio Eng Comput 1984 Nov;22(6):597-602.
(CONTACT: J. T. Bryant, Dept. of Mechanical Engineering, McLaughlin Hall, Queen's University, Kingston, Ontario, Canada K7L 3N6)

Natural frequency of fracture fragments in the assessment of tibial fracture healing. Nokes LDM, Mintowt-Czyz WJ, Fairclough JA, Mackie I, Howard C and Williams J. J Biomed Eng 1984 July;6(3):227-229.
(CONTACT: L. D. M. Nokes, Dept. of Mechanical Engineering and Engineering Production Institute of Science and Technology, University of Wales, Cathays, Cardiff, UK)

A new framework and computer program for quantitative EMG signal analysis. Gerber A, Studer RM, De Figueiredo RJP and Moschytz GS. IEEE Trans Biomed Eng 1984 Dec;BME-31(12): 857-863.
(CONTACT: Andreas Gerber, Institute of Telecommunications, Swiss Federal Institute of Technology ETH, CH-8092 Zurich, Switzerland)

The structure and anisotropic mechanical properties of bone. Katz JL and Yoon HS. IEEE Trans Biomed Eng 1984 Dec;BME-31 (12):878-884.
(CONTACT: J. Lawrence Katz, Dept. of Biomedical Engineering, Rensselaer Polytechnic Institute, Troy, NY 12180, USA)

Transient elastohydrodynamic lubrication models for the human ankle joint. Medley JB, Dowson D, and Wright V. Eng Med 1984 July;13(3):137-151.

(CONTACT: J. B. Medley, Dept. of Mechanical Engineering, University of Waterloo, Waterloo, Ontario N2L 3GI, Canada)

Vibration analysis in the assessment of conservatively managed tibial fractures. Nokes L, Mintowt-Czyz WJ, Fairclough JA, Mackie I, and Williams J. J Biomed Eng 1985 Jan;7(1):40-44.
(CONTACT: L. D. M. Nokes, Dept. of Mechanical Engineering and Engineering Production, Institute of Science and Technology, University of Wales, Cathays, Cardiff, UK)

Vibration analysis of human tibia: the effect of soft tissue on the output from skin-mounted accelerometers. Nokes L, Fairclough JA, Mintowt-Czyz WJ, Mackie I, and Williams J. J Biomed Eng 1984 July;6(3):223-226.
(CONTACT: L. D. M. Nokes, Dept. of Mechanical Engineering and Engineering Production, Institute of Science and Technology, University of Wales, Cathays, Cardiff, UK)

BIOMECHANICS

The analysis of ground reaction forces in pathological gait secondary to disorders of the foot. Claeys R. Int Orthop 1983;7(2): 113-119.
(CONTACT: R. Claeys, Laboratory for Movement Analysis, Ghent State University, B-9000 Ghent, Belgium)

Biomechanics of gait following Van Nes rotationplasty. Glynn MK, Nauman S, Mazliah J, Milner M, Gillespie R, Torode I, and Galway HR. Inter-Clin Info Bull 1984 Autumn;19(3):62.
(CONTACT: M. K. Glynn, Ontario Crippled Children's Centre, 350 Rumsey Rd., Toronto, Ontario M4G 1R8, Canada)

Biomechanics of running gait. Vaughan CL. CRC Crit Rev Biomed Eng 1984;12(1):1-48.
(CONTACT: Christopher L. Vaughan, Dept. of Biomedical Engineering, University of Cape Town and Groote Schuur Hospital, Cape Town, South Africa)

The biomechanics of scoliosis. Pope MH, Stokes IAF, and Moreland M. CRC Crit Rev Biomed Eng 1984;11(3):157-188.
(CONTACT: Malcolm H. Pope, Dept. of Orthopedic Surgery, University of Vermont, Burlington, VT 05401, USA)

Carrying angle of the human elbow joint. An KN, Morrey BF, and Chao EYS. J Orthop Res 1984;1(4):369-378.
(CONTACT: Kai-Nan An, Orthopedic Biomechanics Lab, Mayo Clinic, Rochester, MN 55905, USA)

Determination of muscle and joint forces: a new technique to solve the indeterminate problem. An KN, Kwak BM, Chao EY, and Morrey BF. J Biomech Eng 1984 Nov;106(4):364-367.
(CONTACT: Kai-Nan An, Orthopedic Biomechanics Lab, Mayo Clinic, Rochester, MN 55905, USA)

Determination of muscle orientation and moment arms. An KN, Takahashi K, Harrigan TP, and Chao EY. J Biomech Eng 1984 Aug;106(3):280-282.
(CONTACT: Kai-Nan An, Orthopedic Biomechanics Lab, Mayo Clinic, Rochester, MN 55905, USA)

Effect of electrical stimulation on spasticity in hemiparetic patients. Vodovnik L, Bowman BR, and Winchester P. Int Rehab Med 1984;6(4):153-156.
(CONTACT: L. Vodovnik, Faculty of Electrical Engineering, Trzaska 25, 61001 Ljubljana, Yugoslavia)

The effect of immobilization devices on the load distribution under the foot. Shereff MJ, Bregman AM, and Kummer FJ. Clin Orthop Rel Res 1985 Jan-Feb;192:260-267.
(CONTACT: Michael J. Shereff, Dept. of Orthopaedic Surgery, Hospital for Joint Diseases Orthopaedic Institute, 301 East 17th St., New York, NY 10003, USA)

Effect of trunk stabilization on quadriceps femoris muscle torque. Hart DL, Stobbe TJ, Till CW, and Plummer RW. Phys Ther 1984 Sept;64(9):1375-1380.
(CONTACT: Dennis L. Hart, Division of Physical Therapy, 1195 BSB, West Virginia University, Morgantown, WV 26502, USA)

Electrical conductivity of skeletal muscle tissue: experimental results from different muscles in vivo. Gielen JLH, Wallinga-de Jonge W, and Boon KL. Med Biol Eng Comput 1984 Nov;22(6): 569-577.
(CONTACT: Willemien Wallinga-de Jonge, Dept. of Electrical Engineering, Bio-Information Group, Twente University of Technology, P.O. Box 217, 7500 AE Enschede, The Netherlands)

Electromyographic amplitude normalization methods: improving their sensitivity as diagnostic tools in gait analysis. Yang JF and Winter DA. Arch Phys Med Rehab 1984 Sept;65(9):517-521.
(CONTACT: David A. Winter, Dept. of Kinesiology, University of Waterloo, Waterloo, Ontario N2L 3G1, Canada)

Electromyographic analysis of shoulder muscle load. Sigholm G, Herberts P, Almstrom C, and Kadefors R. J Orthop Res 1984;1 (4):379-386.
(CONTACT: Peter Herberts, Dept. of Orthopaedic Surgery II, University of Goteborg, Sahlgren Hospital, S-413 45 Goteborg, Sweden)

Electromyographic patterns accompanying isokinetic exercise under varying speed and sequencing conditions. Osternig LR, Hamill J, Corcos DM, and Lander J. Amer J Phys Med 1984 Dec;63(6):289-297.
(CONTACT: Louis R. Osternig, Dept. of Physical Education, University of Oregon, Eugene, OR 94703, USA)

EMG system for online gait analysis (Technical Note). Cozean C, Koozekanani S, and Hubbell S. Med Biol Eng Comput 1984 Nov; 22(6):592-596.
(CONTACT: C. Cozean, Biomedical Engineering Center, Dept. of Electrical Engineering, Ohio State University, 205 Dreese Lab, 2015 Neil Ave., Columbus, OH 43210, USA)

The energetics of walking using axillary crutches and the prototype of a new design termed "the Dublin crutch." Wagstaff PS. Physiother 1984 Nov;70(11):422-424.
(CONTACT: Paul S. Wagstaff, School of Physiotherapy, The University of Dublin, Trinity College, Dublin 2, Republic of Ireland)

Energy of gait in below-knee casts with different soles. Pratt DJ. J Biomed Eng 1985 Jan;7(1):63-67.
(CONTACT: D. J. Pratt, Orthotics and Disability Research Centre, Derbyshire Royal Infirmary, London Rd., Derby DE1 2QY, UK)

Estimation of muscle force from intramuscular total pressure. Parker PA, Korner L, and Kadefors R. Med Biol Eng Comput 1984 Sept;22(5):453-457.
(CONTACT: Philip A. Parker, Dept. of Electrical Engineering, University of New Brunswick, P.O. Box 4400, Fredericton, New Brunswick E3B 5A3, Canada)

Evidence of phase-dependent nociceptive reflexes during locomotion in man. Crenna P and Frigo C. Exper Neurol 1984 Aug; 85(2):336-345.
(CONTACT: Paolo Crenna, Istituto di Fisiologia Umana II, Universita di Milano, via Mangiagalli 32, I-20133 Milano, Italy)

Fast walking velocity in health and Duchenne muscular dystrophy: a statistical analysis. Cohen L, Morgan J, Babbs R, Jr, Karrison TG, and Giacomoni M. Arch Phys Med Rehab 1984

Oct;65(10):573-578.
(CONTACT: Louis Cohen, Dept. of Medicine, Box 401, University of Chicago, 950 East 59th St., Chicago, IL 60637, USA)

Gait analysis for decision-making in cerebral palsy. Gage JR. Bull Hosp Joint Diseases Orthop Inst 1983;43(2):147-163.
(CONTACT: J. R. Gage, Gait Analysis Laboratory, Newington Children's Hospital, 181 East Cedar St, Newington, CT 06111, USA)

Improvement in isometric strength of the quadriceps femoris muscle after training with electrical stimulation. Selkowitz DM. Phys Ther 1985 Feb;65(2):186-196.
(CONTACT: David M. Selkowitz, Sports Health and Preseason Evaluation Center, Merritt/Peralta Medical Center, 2935 Telegraph Ave., Oakland, CA 94609, USA)

Impulse technique for dynamic measurements of muscular structures in biomechanical applications. Bracale M, Castaldo R, Cesarelli M, and Ragosta C. Med Biol Eng Comput 1984 Nov;22(6):578-584.
(CONTACT: Marcello Bracale, Cattedra di Elettronica Biomedica, Facolta di Ingegneria, Universita, via Claudio n.21, 80125 Napoli, Italy)

Joint forces in the human pelvis-leg skeleton during walking. Rohrle H, Scholten R, Sigolotto C, Sollbach W, and Kellner H. J Biomech 1984;17(6):409-424.
(CONTACT: H. Rohrle, Dornier GmbH, D-7990 Friedrichshafen 1, West Germany)

Kinematic and EMG patterns during slow, free, and fast walking. Murray MP, Mollinger LA, Gardner GM, and Sepic SB. J Orthop Res 1984;2(3):272-280.
(CONTACT: G. M. Gardner, Kinesiology Research Lab/151, Veterans Administration Medical Center, 5000 West National Ave., Wood, WI 53193, USA)

Kinematic and force data collection in biomechanics by means of sonic emitters—Part I: kinematic data collection methodology. Engin AE, Peindl RD, Berme N, and Kaleps I. J Biomech Eng 1984 Aug;106(3):204-211.
(CONTACT: A. E. Engin, Dept. of Engineering Mechanics, Ohio State University, 2015 Neil Ave., Columbus, OH 43210, USA)

Kinematic and force data collection in biomechanics by means of sonic emitters—Part II: force data collection and application to the human shoulder complex. Engin AE, Peindl RD, Berme N, and Kaleps I. J Biomech Eng 1984 Aug;106(3):212-219.
(CONTACT: A. E. Engin, Dept. of Mechanical Engineering, Ohio State University, 2015 Neil Ave., Columbus, OH 43210, USA)

Kinematic total knee replacement. Ewald FC, Jacobs MA, Miegel RE, Walker PS, Poss R, and Sledge CB. J Bone Joint Surg 1984 Sept;66-A(7):1032-1040.
(CONTACT: Frederick C. Ewald, Dept. of Orthopedic Surgery, Brigham and Women's Hospital, 75 Francis St., Boston, MA 02115, USA)

Ligamentous structures of the metacarpophalangeal joint: a quantitative anatomic study. Minami A, An KN, Cooney WP, III, Linscheid RL, and Chao EYS. J Orthop Res 1984;1(4):361-368.
(CONTACT: Kai-Nan An, Orthopedic Biomechanics Lab, Mayo Clinic, Rochester, MN 55905, USA)

Maintenance, training, and functional use of denervated muscles. Eichhorn KF, Schubert W, and David E. J Biomed Eng 1984 July;6(3):205-211.
(CONTACT: K. F. Eichhorn, Lehrstuhl fur Elektrische Energieversorgung, Institut fur Physiologie und Biokybernetik, Universitat Erlangen-Nurnberg, 8520 Erlangen, Egeriandstrasse 9, Federal Republic of Germany)

Mathematical kinematics in engineering of endoprostheses: evaluation of the results of gait analysis. Hoschek J, Weber U, Ladsatter P, and Schelske HJ. Arch Orthop Trauma Surg 1984;103(5):342-347.
(CONTACT: U. Weber, Orthopadische Universitats-Klinik, Freiligrathsstr. 2, D-6300 Giesen, Federal Republic of Germany)

Measurements of trunk movements during work. Nordin M, Ortengren R, and Andersson GBJ. Spine 1984 July-Aug;9(5): 465-469.
(CONTACT: Margareta Nordin, Dept. of Orthopedic Surgery I, Sahlgren Hospital, S-413 45 Goteborg, Sweden)

A mechanical device for leg disturbance during gait. Garrett M, Jackson KM, and Luckwill RG. J Biomed Eng 1984 Oct;6(4): 318-320.
(CONTACT: M. Garrett, Dept. of Physiology, Trinity College, Dublin 2, Republic of Ireland)

A method for two-dimensional multi-segmental kinematic and kinetic analysis of normal and pathological human gait. van Best JA, Pronk CNA, Mechelse K, Pompe R, and van Eijndhoven JHM. Med Prog Technol 1983-1984;10(3):143-159.
(CONTACT: J. H. M. van Eijndhoven, Dept. of Neurology, Faculty of Medicine, Erasmus University Rotterdam, P.O. Box 1738, 3000 DR Rotterdam, The Netherlands)

Muscular synergism—I: on criteria for load sharing between synergistic muscles. Dul J, Townsend MA, Shiavi R, and Johnson GE. J Biomech 1984;17(9):663-673.
(CONTACT: R. Shiavi, Dept. of Biomedical Engineering, Vanderbilt University, Nashville, TN 37235, USA)

Muscular synergism—II: a minimum-fatigue criterion for load sharing between synergistic muscles. Dul J, Johnson GE, Shiavi R, and Townsend MA. J Biomech 1984;17(9):675-684.
(CONTACT: R. Shiavi, Dept. of Biomedical Engineering, Vanderbilt University, Nashville, TN 37235, USA)

Myocardial material mechanics: characteristic variation of the circumferential and longitudinal systolic modulin in left ventricular dysfunction. Phillips CA and Petrofsky JS. J Biomech 1984; 17(8):561-568.
(CONTACT: Chandler A. Phillips, Bioengineering and Biomechanics Labs, Depts. of Engineering and Physiology, Wright State University, Dayton, OH 45435, USA)

Myoelectrical manifestations of localized muscular fatigue in humans. De Luca CJ. CRC Crit Rev Biomed Eng 1984;11(4): 251-279.
(CONTACT: Carlo J. De Luca, Dept. of Biomedical Engineering, Boston University, Boston, MA 02215, USA)

New possibilities of improving the function of the hand of patients with spastic hemiplegia. Kiwerski J. Int J Rehab Res 1984;7(3):293-298.
(CONTACT: J. Kiwerski, Rehabilitation Clinic, Warsaw Medical Academy, Warsaw, Poland)

Osteoarthritic gait dynamics from force-plate measurements. Khodadadeh S. J. Biomed Eng 1984 Oct;6(4):315-317.
(CONTACT: S. Khodadadeh, Orthotic Research and Locomotor Assessment Unit, The Robert Jones and Agnes Hunt Orthopaedic Hospital, Oswestry, Shropshire SY10 7AG, UK)

Passive and active components of the internal moment developed about the ankle joint during human ambulation. Siegler S, Moskowitz GD, and Freedman W. J Biomech 1984;17(9):647-652.
(CONTACT: S. Siegler, Dept. of Mechanical Engineering and Mechanics, Drexel University and Rehabilitation Engineering Center, Moss Rehabilitation Hospital, Philadelphia, PA 19141, USA)

A physiologically based criterion for muscle force predictions on locomotion. Crowninshield RD. Bull Hosp Joint Diseases Orthop Inst 1983;43(2):164-170.
(CONTACT: R. D. Crowninshield, Zimmer Corp., P.O. 768, Warsaw, IN 46580, USA)

Proprioception of the knee joint: paradoxical effect of training. Barrack RL, Skinner HB, and Cook SD. Amer J Phys Med 1984 Aug;63(4):175-181.
(CONTACT: H. B. Skinner, Dept. of Orthopaedic Surgery, School of Medicine, University of California, San Francisco, CA 94143, USA)

Paraplegic energy expenditure during negotiation of architectural barriers. Miller NE, Merritt JL, Merkel KD, and Westbrook PR. Arch Phys Med Rehab 1984 Dec;65(12):778-779.
(CONTACT: Neil E. Miller, c/o Section of Publications, Mayo Clinic, 200 First St., SW, Rochester, MN 55905, USA)

Relation of intramuscular pressure to the force output and myoelectric signal of skeletal muscle. Korner L, Parker P, Almstrom C, Andersson BJ, Herberts P, Kadefors R, Palmerud G, and Zetterberg C. J Orthop Res 1984;2(3):289-296.
(CONTACT: Lars Korner, Dept. of Orthopaedic Surgery, East Hospital, S-416 85 Goteborg, Sweden)

Restoration of movement by electrical stimulation: a contemporary view of the basic problems. Solomonow M. Orthopedics 1984 Feb;7(2):245-250.
(CONTACT: M. Solomonow, Dept. of Orthopedic Surgery, Louisiana State University School of Medicine, 1542 Tulane Ave., New Orleans, LA 70112, USA)

A semi-empirical pressure analysis for anatomy constrained by elastic support. Montgomery JR. J Biomech 1984;17(8):569-572.
(CONTACT: John R. Montgomery, Research Dept, The Jobst Institute, 653 Miami St., Toledo, OH 43694, USA)

Sensory feedback therapy and theoretical knowledge of motor control and learning. Mulder T and Hulstyn W. Amer J Phys Med 1984 Oct;63(5):226-244.
(CONTACT: Theo Mulder, Dept. of Experimental Psychology, University of Nijmegen, P.O. Box 9104, 6500 HE Nijmegen, The Netherlands)

Shoulder motion and muscle strength of normal men and women in two age groups. Murray MP, Gore DR, Gardner GM and Mollinger LA. Clin Orthop Rel Res 1985 Jan-Feb;192:268-273.
(CONTACT: G. M. Gardner, Kinesiology Research Lab/151, Veterans Administration Medical Center, 5000 West National Ave., Wood, Milwaukee, WI 53193, USA)

Study of the value of gait analysis techniques in the treatment of physical disability. Bowker P. Int J Rehab Res 1984;7(2):213.
(CONTACT: P. Bowker, Dept. of Orthopaedic Mechanics, University of Salford, Salford M5 4WT, Great Britain)

A system to measure the forces and moments at the knee and hip during level walking. Gilbert JA, Maxwell GM, McElhaney JH, and Clippinger FW. J Orthop Res 1984;2(3):281-288.
(CONTACT: Jerome A. Gilbert, Division of Orthopaedics, University of North Carolina School of Medicine, 276 Burnett-Womack, Building 229-H, Chapel Hill, NC 27514, USA)

Thoracic spine centers of rotation in the sagittal plane. Panjabi MM, Krag MH, Dimnet JC, Walter SD and Brand RA. J Orthop Res 1984;1(4):387-394.
(CONTACT: M. M. Panjabi, Dept. of Surgery, Yale University School of Medicine, 333 Cedar St., New Haven, CT 06510, USA)

Use of noninvasive techniques for qualification of spinal range-of-motion in normal subjects and chronic low-back dysfunction patients. Mayer TG, Tencer AF, Kristoferson S, and Mooney V. Spine 1984 Sept;9(6):588-595.
(CONTACT: Tom G. Mayer, Dept. of Orthopedic Surgery, University of Texas Health Science Center at Dallas, 5323 Harry Hines Blvd., Dallas, TX 75235, USA)

GENERAL

Aerobic capacity of severely disabled Indians. Goswami A, Ghosh AK, Ganguli S, and Banerjee AK. Ergonomics 1984 Dec;27(12):1267-1269.
(CONTACT: A. Goswami, Bioengineering Unit, Dept. of Orthopaedics, University College of Medicine, Goenka Hospital, Calcutta University, 145 Muktaram Babu St., Calcutta 700 007, India)

Cerebral palsy: a complex brain disorder. Showers DC. Orthot Prosth 1984 Autumn;38(3):60-62.
(CONTACT: David C. Showers, Orthotic-Prosthetic Research Lab, Hospital of the University of Pennsylvania, 3400 Spruce St., G-1, Philadelphia, PA 19104, USA)

A communication aid for the physically handicapped. Jardine P, Jerman S, Seddon N, and Rees JA. J Biomed Eng 1984 July;6(3): 230-236.
(CONTACT: P. Jardine, Dept. of Electrical Engineering and Electronics, University of Liverpool, Liverpool, UK)

Computer-aided communication device for a child with cerebral palsy. Bruno J and Stoughton AM. Arch Phys Med Rehab 1984 Oct;65(10):603-605.
(CONTACT: Joan Bruno, Children's Seashore House, 4100 Atlantic Ave., Atlantic City, NJ 08404, USA)

A description of independent living projects in the United States: various programmatic strategies for fiscal coping. Fortune J and Buckley G. Int J Rehab Res 1984;7(2):188-189.
(CONTACT: Jon Fortune, Southwest Wyoming Rehabilitation Center, 2632 Foothill Blvd., Suite 107, Rock Springs, WY 82901, USA)

Distal sensory nerves of the lower extremity in peripheral neuropathy: comparison of medial dorsal cutaneous and sural nerve abnormalities. Izzo KL, Sobel E, Berney S, and Demopoulos JT. Arch Phys Med Rehab 1985 Jan;66(1):7-10.
(CONTACT: Kenneth L. Izzo, Dept. of Rehabilitation Medicine, Temple University School of Medicine, 3401 North Broad St., Philadelphia, PA 19140, USA)

Dynamic approach in the diagnosis of thoracic outlet syndrome using somatosensory evoked responses. Chodoroff G, Lee DW, and Honet JC. Arch Phys Med Rehab 1985 Jan;66(1):3-6.
(CONTACT: Dong W. Lee, Dept. of Physical Medicine and Rehabilitation, Sinai Hospital of Detroit, 6767 West Outer Drive, Detroit, MI 48235, USA)

Effect of transcutaneous electrical nerve stimulation on human blood B-endorphin levels. O'Brien WJ, Rutan FM, Sanborn C, and Omer GE. Phys Ther 1984 Sept;64(9):1367-1374.
(CONTACT: William J. O'Brien, Physical Therapy Program, University of New Mexico School of Medicine, Albuquerque, NM 87131, USA)

Electrodiagnostic values through the thoracic outlet using C8 root needle studies, F-waves, and cervical somatosensory evoked potentials. Livingstone EF, DeLisa JA, and Halar EM. Arch Phys Med Rehab 1984 Nov;65(11):726-730.
(CONTACT: Joel A. DeLisa, Associate Chief of Staff/Education/ 11E, Veterans Administration Medical Center, 1660 South Columbian Way, Seattle, WA 98108, USA)

Engineering therapy: an approach to treatment of a patient with severe cognitive and physical handicaps. Levine SP, Kirsch NL, Perlman OZ, and Cole TM. Arch Phys Med Rehab 1984 Nov;65(11): 737-739.
(CONTACT: Simon P. Levine, Dept. of Physical Medicine and Rehabilitation, University of Michigan Medical Center, Ann Arbor, MI 48109, USA)

Evaluating the adult with cerebral palsy for specialized adaptive seating. Hundertmark LH. Phys Ther 1985 Feb;65(2):209-212.
(CONTACT: Lynda Hollett Hundertmark, R.D. 2, Clove Valley Rd., La-Grangeville, NY 12540, USA)

Evoked muscle action potentials in patients with muscular dystrophy. Lopez-Estrada E and Lopez E. Arch Phys Med Rehab 1984 Nov;65(11):717-720.
(CONTACT: E. Lopez, Department de Fisiologia, Instituto Nacional de Ortopedia, S.S.A., Ap. Postal 75-635, Mexico 14, D.F. 06300)

Interrupted reflection fibre optic communication device for the severely disabled. Grattan KTV and Palmer AW. J Biomed Eng 1984 Oct;6(4):321-322.
(CONTACT: K.T.V. Grattan, Measurement and Instrumentation Centre, School of Electrical Engineering and Applied Physics, The City University, London EC1V 0HB, UK)

Lumbar spinal stenosis: analysis of pre- and post-operative somatosensory evoked potentials. Gonzales EG, Hajdu M, Bruno R, Keim H, and Brand L. Arch Phys Med Rehab 1985 Jan;66(1): 11-15.
(CONTACT: Edwin G. Gonzales, 622 West 168 St., Box 438, New York, NY 10032, USA)

Phantom limb pain—a re-afferentation syndrome. Howe JF. Pain 1983;15(1):101-107.
(CONTACT: John F. Howe, Group Health Cooperative, Neurosurgery Clinic, 200 15th Ave. East, Seattle, WA 98112, USA)

Plantar pressure measurements and the prevention of ulceration in the diabetic foot. Duckworth T, Boulton AJ, Betts RP, Franks CI, and Ward JD. J Bone Joint Surg 1985 Jan;67-B(1):79-85.
(CONTACT: T. Duckworth, Dept. of Orthopaedic Surgery, Royal Hallamshire Hospital, Sheffield S10 2JF, England)

Platform training and postural stability in hemiplegia. Hocherman S, Dickstein R, and Pillar T. Arch Phys Med Rehab 1984 Oct;65(10): 588-592.
(CONTACT: Shraga Hocherman, Dept. of Physiology and Biophysics, Technion Faculty of Medicine, P.O. Box 9649, Haifa 31096, Israel)

Postmenopausal spinal osteoporosis: flexion versus extension exercises. Sinaki M and Mikkelsen BA. Arch Phys Med Rehab 1984 Oct;65(10):593-596.
(CONTACT: Mehrsheed Sinaki, Dept. of Physical Medicine and Rehabilitation, Mayo Clinic, Rochester, MN 55905, USA)

Professionalism: a review of its impact on the health services. Rhodes RL. Orthot Prosth 1984 Winter;38(4):69-74.
(CONTACT: Robert L. Rhodes, 3149 Southern Ave., Memphis, TN 38111, USA)

Pyridoxine metabolism in carpal tunnel syndrome with and without peripheral neuropathy. Byers CM, Delisa JA, Frankel DL, and Kraft GH, Arch Phys Med Rehab 1984 Nov;65(11):712-716.
(CONTACT: Joel A. DeLisa, Associate Chief Staff/Education/11E, Veterans Administration Medical Center, 1660 South Columbian Way, Seattle, WA 98108, USA)

Quantification of intraoperative somatosensory evoked potential. Gonzales EG, Hajdu M, Keim H, and Brand L. Arch Phys Med Rehab 1984 Nov;65(11):721-725.
(CONTACT: Edwin G. Gonzales, Columbia Presbyterian Medical Center, 622 West 168 St., New York, NY 10032, USA)

Rehabilitative robotics. Leifer L. Med Electron 1984 Sept (issue 88);15(4):85-91.
(CONTACT: Larry Leifer, Rehabilitation Research and Development Center/MS-153, Veterans Administration Medical Center, Palo Alto, CA 94304, USA)

Spina bifida (a series of articles recounting personal experiences with spina bifida). Clin Prosth Orthot 1984 Fall;8(4):2-8.
(CONTACT: Charles H. Pritham, Editor of CPO, American Academy of Orthotists and Prosthetists, 717 Pendleton St., Alexandria, VA 22314, USA)

Stationarity of the somatosensory evoked potential. Myklebust JB, Sances A, Jr, Cusick JF, Friedman RH, Larson SJ, and Cohen BA. Med Biol Eng Comput 1984 Nov;22(6):558-563.
(CONTACT: Joel B. Myklebust, Dept. of Neurosurgery, Medical College of Wisconsin, 8700 West Wisconsin Ave., Milwaukee, WI 53226, USA)

Statistical clustering procedures applied to low-cost speech recognition. Damper RI, and MacDonald SL. J Biomed Eng 1984 July;6(3):265-271.
(CONTACT: R. I. Damper, Dept. of Electronics, University of Southampton, Southampton S09 5NH, UK)

Telephone communication system for handicapped individuals. Levine SP, Gauger JR, and Kett RL. Arch Phys Med Rehab 1984 Dec;65(12):788-789.
(CONTACT: Simon P. Levine, Dept. of Physical Medicine and Rehabilitation, University of Michigan Medical Center, Ann Arbor, MI 48109, USA)

Tying a shoe lace one-handed. Hills RE. Physiother 1984 Oct; 70(10):395.
(CONTACT: Rosemary E. Hills, Dept. of Physiotherapy, New Cross Hospital, London SE14, England)

Ulnar nerve conduction study of the first dorsal interosseous muscle. Olney RK and Wilbourn AJ. Arch Phys Med Rehab 1985 Jan;66(1):16-18.
(CONTACT: Richard K. Olney, Rehabilitation Medicine Service/ 127-P, Veterans Administration Medical Center, P.O. Box 1034, Portland, OR 97207, USA)

Wheelchair cushion modification and its effect on pressure. Garber SL and Krouskop TA. Arch Phys Med Rehab 1984 Oct;65(10):579-583.
(CONTACT: Susan L. Garber, Dept. of Occupational Therapy, Institute for Rehabilitation and Research, 1333 Moursund Ave., Houston, TX 77030, USA)

Wheelchair sports medicine. Madorsky JGB and Curtis KA. Amer J Sports Med 1984;12(2):128-132.
(CONTACT: J. G. B. Madorsky, Casa Colina Hospital for Rehabilitation Medicine, 255 East Bonita Ave., Pomona, CA 91767, USA)

ORTHOPEDIC IMPLANTS

Acetabular cup groove and pod design and its effect on cement fixation in total hip arthroplasty. Oh I, Sander TW, and Treharne RW. Clin Orthop Rel Res 1984 Oct;189:308-312.
(CONTACT: Indong Oh, Dept. of Orthopaedic Surgery, Suite 103, Huntington Memorial Hospital, 10 Congress St., Pasadena, CA 91105, USA)

A biomechanical comparison of various methods of stabilization of subtrochanteric fractures of the femur. Tencer AF, Johnson

KD, Johnston DWC, and Gill K. J Orthop Res 1984;2(3):297-305.
(CONTACT: A. F. Tencer, Division of Orthopedics, University of Texas Medical Branch, Galveston, TX 77550, USA)

Centrifugation as a method of improving tensile and fatigue properties of acrylic bone cement. Burke DW, Gates EI, and Harris WH. J Bone Joint Surg 1984 Oct;66-A(8):1265-1273.
(CONTACT: Dennis W. Burke, Orthopaedic Biomechanics Lab, Dept. of Orthopaedic Surgery, Massachusetts General Hospital, Boston, MA 02114, USA)

Comparative fatigue behavior of different bone cements. Gates EI, Carter DR, and Harris WH. Clin Orthop Rel Res 1984 Oct;189: 294-299.
(CONTACT: William H. Harris, Orthopaedic Research Laboratory, Massachusetts General Hospital, Boston, MA 02114, USA)

Comparison of the effects of compression plates and external fixators on early bone-healing. Lewallen DG, Chao EYS, Kasman RA, and Kelly PJ. J Bone Joint Surg 1984 Sept;66-A(7):1084-1091.
(CONTACT: Patrick J. Kelly, Dept. of Orthopedics, Mayo Clinic, Rochester, MN 55905 USA)

Comparison of osteotomy healing under external fixation devices with different stiffness characteristics. Wu JJ, Shyr HS, Chao EYS, and Kelly PJ. J Bone Joint Surg 1984 Oct;66-A(8):1258-1264.
(CONTACT: Edmund Y. S. Chao, Biomechanics Lab, Dept. of Orthopedics, Mayo Clinic, Rochester, MN 55905, USA)

A crack model of a bone cement interface. Clech JP, Keer LM, and Lewis JL. J Biomech Eng 1984 Aug;106(3):235-243.
(CONTACT: J. P. Clech, Dept. of Civil Engineering and Mechanical and Nuclear Engineering, Northwestern University, Evanston, IL 60201, USA)

Design of a total wrist prosthesis. Youm Y and Flatt AE. Ann Biomed Eng 1984;12(3):247-262.
(CONTACT: Youngil Youm, Dept. of Mechanical Engineering, Pangborn Building, G-32, The Catholic University of America, Washington, DC 20064, USA)

Effect of cement pressure and bone strength on polymethylmethacrylate fixation. Askew MJ, Steege JW, Lewis JL, Ranieri JR, and Wixson RL. J Orthop Res 1984;1(4):412-420.
(CONTACT: Jack L. Lewis, Rehabilitation Engineering Program Dept. of Orthopaedic Surgery, Northwestern University, Room 1441, 345 East Superior, Chicago, IL 60611, USA)

Improvement of mechanical properties of acrylic bone cement by fiber reinforcement. Saha S and Pal S. J Biomech 1984;17(7): 467-478.
(CONTACT: Subrata Saha, Biomechanics Lab, Dept. of Orthopaedic Surgery, LSU Medical Center, P.O. Box 33932, Shreveport, LA 71130, USA)

Less rigid internal fixation plates: historical perspectives and new concepts. Woo SLY, Lothringer KS, Akeson WH, Coutts RD, Woo YK, Simon BR, and Gomez MA. J Orthop Res 1984;1(4): 431-449.
(CONTACT: S. L. Y. Woo, Dept. of Surgery, M-004, University of California, San Diego, La Jolla, CA 92093, USA)

Metal ion release from titanium-based prosthetic segmental replacements of long bones in baboons: a long-term study. Woodman JL, Jacobs JJ, Galante JO, and Urban RM. J Orthop Res 1984;1(4):421-430.
(CONTACT: J. L. Woodman, Dept. of Orthopedic Surgery, Ruch-Presbyterian-St. Luke's Medical Center, Chicago, IL 60612, USA)

Radiographic analysis of a low-modulus titanium-alloy femoral total hip component: two-to-six-year follow-up. Sarmiento A and Gruen TA. J Bone Joint Surg 1985 Jan;67-A(1):48-56.
(CONTACT: Augusto Sarmiento, Dept. of Orthopaedics, University of Southern California, Health Sciences Campus, General Hospital, Room 3900, 2025 Zonal Ave., Los Angeles, CA 90033, USA)

Stress changes in the femoral head due to porous ingrowth surface replacement arthroplasty. Carter DR and Vasu R. J Biomech 1984;17(10):737-747.
(CONTACT: D. R. Carter, Design Division, Mechanical Engineering Dept., Stanford University, Stanford, CA 94305, USA)

A technique for determining prosthetic joint contact areas. Martin SM, Moran JM, Stahurski TM and Cepulo AJ. J Biomech 1984;17(7):545.
(CONTACT: S. M. Martin, Cleveland Research Institute at Saint Vincent Charity Hospital, 2351 East 22nd St., Cleveland, OH 44115, USA)

ORTHOTICS

The Boston brace system for scoliosis. Minto P. Physiother 1984 Sept;70(9):346-348.
(CONTACT: Penelope Minto, Dept. of Orthopaedic Physiotherapy, Southampton General Hospital, Tremona Rd., Southampton SO9 4XY, England)

The comparative results of psychologic testing in scoliosis patients treated with electrical stimulation or bracing. Kahanovitz N, Snow B, and Pinter I. Spine 1984 July-Aug;9(5):442-444.
(CONTACT: Neil Kahanovitz, Hospital for Joint Diseases, 301 East 17th St., New York, NY 10003, USA)

Conventional versus reciprocating braces: effect on gait and spinal posture. Morden ML and Herman E. Inter-Clin Info Bull 1984 Autumn;19(3):65.
(CONTACT: Mary L. Morden, Johns Hopkins Hospital, 600 North Wolfe St., Baltimore, MD 21205, USA)

The development of a molded pelvic girdle and the pelvic casting fixture. Fillauer CE and Pritham CH. Orthot Prosth 1984 Winter; 38(4):49-53.
(CONTACT: Carlton E. Fillauer, Durr-Fillauer Medical, Inc., Orthopedic Division, 2710 Amnicola Highway, Chattanooga, TN 37406, USA)

Duke halo-positioner, improved technique for halo application. Hardaker WT, Jr, Reed WO, Vaughn DW, and Clippinger FW. Orthop Rev 1984 Oct;13(10):566-572.
(CONTACT: William T. Hardaker, Jr., Spinal Cord Injury Service, Division of Orthopaedic Surgery, Duke University Medical Center, Durham, NC 27710, USA)

Dynamics and the L3 through L5 myoelomeningocele child. Glancy J. Clin Prosth Orthot 1984 Fall;8(4):15-23.
(CONTACT: John Glancy, Orthotics Division, James Whitcomb Riley Hospital for Children, Room 1100, Indiana University Medical Center, 702 Barnhill Drive, Indianapolis, IN 46223, USA)

Effect of the Boston thoracic brace on the frontal and sagittal curves of the spine. Willner S. Acta Orthop Scand 1984 Aug;55(4): 457-460.
(CONTACT: Stig Willner, Dept. of Orthopaedic Surgery, Malmo General Hospital, University of Lund, S-214 01 Malmo, Sweden)

The effect of a patella brace on performance in a knee extension strength test in patients with patellar pain. Lysholm J, Nordin M, Ekstrand J, and Gillquist J. Amer J Sports Med 1984;12(2): 110-112.
(CONTACT: J. Lysholm, Dept. of Orthopaedic Surgery, University Hospital, S-581 85 Linkoping, Sweden)

Effectiveness of braces in mild idiopathic scoliosis. Miller JAA, Nachemson AL and Schultz AB. Spine 1984 Sept;9(6):632-635.
(CONTACT: James A. A. Miller, Dept. of Mechanical Engineering and Applied Mechanics, University of Michigan, Ann Arbor, MI 48109, USA)

Forces in the halo-vest apparatus. Walker PS, Lamser D, Hussey RW, Rossier AB, Farberov A, and Dietz J. Spine 1984 Nov-Dec; 9(8):773-777.
(CONTACT: Peter S. Walker, Clinical Bioengineering Laboratory, Veterans Administration Medical Center, 1400 Veterans of Foreign Wars Parkway, West Roxbury, MA 02132, USA)

Functional cast-bracing for Colles' fractures: a comparison between cast-bracing and conventional plaster casts. Stewart HD, Innes AR, and Burke FD. J Bone Joint Surg 1984 Nov;66-B(5): 749-753.
(CONTACT: Hugh D. Stewart, Orthopaedic Registrar, Derbyshire Royal Infirmary, London Rd., Derby DE1 2QY, England)

Halo-body device. Hughes SPF, Cairns T, Iyer V, Liston J, and Thomson JD. Paraplegia 1984 Aug;22(4):260-266.
(CONTACT: S. P. F. Hughes, Princess Margaret Rose Orthopaedic Hospital, Fairmilehead, Edinburgh, Scotland)

The helicoid knee brace: a lightweight but effective support for the damaged knee. Helfet AJ, Manley MT, and Vaughan CL. Injury 1983;15(3):189-192.
(CONTACT: A. J. Helfet, Dept. of Orthopaedic Surgery, Albert Einstein College of Medicine, 1825 Eastchester Rd., Bronx, NY 10461, USA)

IMA II brace for deambulatory treatment of Legg-Perthes disease (Technical Note). Nava LC. J Biomed Eng 1985 Jan;7(1):71-74.
(CONTACT: Laureano C. Nava, Bioengineering Division, Instituto de Mecanica Aplicada, SENID, CONICET, 8111, Bose Naval Puerto Belgrano, Argentina)

An improved ankle-foot orthosis for correction of equinus. Pinzur MS and Gavin T. Orthopedics 1984 Feb;7(2):263-264.
(CONTACT: Michael S. Pinzur, Dept. of Orthopaedics and Rehabilitation, Loyola University Stritch School of Medicine, 2160 South First Ave., Maywood, IL 60153, USA)

Low temperature hand splinting with thermoplastic materials. Swan D. Physiother 1984 Sept;70(9):341-345.
(CONTACT: Diana Swan, Dept. of Occupational Therapy, Swindon Health Authority, Princess Margaret Hospital, Okus Rd., Swindon, Wilts SN1 4JU, UK)

LSU lively orthosis. Fillauer CE and Pritham CH. Orthot Prosth 1984 Winter; 38(4):24-33.
(CONTACT: Carlton E. Fillauer, Durr-Fillauer Medical, Inc., Orthopedic Division, 2710 Amnicola Highway, Chattanooga, TN 37406, USA)

The Milwaukee brace—an innovation for patients with short stature. Bright RW and McCluney TH, Jr. Inter-Clin Info Bull 1984 Autumn;19(3):66.
(CONTACT: Robert W. Bright, James Lawrence Kernan Hospital, 2200 North Forest Park Ave., Baltimore, MD 21207, USA)

A multi-adjustable cervical orthosis for use in the treatment of torticollis (a case study). Jurgutis J, Kauffman D, Conry M, and Levin S. Orthot Prosth 1984 Autumn;38(3):51-54.
(CONTACT: John Jurgutis, Dept. of Orthopaedic Surgery, University of Southern California, Orthopaedic Hospital at Los Angeles, Los Angeles, CA 90007, USA)

A new concept in the fabrication of double upright orthoses (Technical Note). Bremer KW, Jr. Orthot Prosth 1984 Autumn; 38(3):69-75.
(CONTACT: Karl W. Bremer, Jr., Bremer Brace Company, Inc., 1724 South Orange Ave., Orlando, FL 32806, USA)

A new orthosis for fixation of the cervical spine—Fronto-Occipito-Zygomatic orthosis. Nakamura T, Oh-Hama M, and Shingu H. Orthot Prosth 1984 Autumn;38(3):41-45.
(CONTACT: Toshiro Nakamura, Nakamura Brace Co., Ohmori, Ohda, Shimane, 694-03, Japan)

Orthotic application of plastic materials. Simpson D and Greig R. Physiother 1984 Sept;70(9):332-340.
(CONTACT: D. Simpson, National Centre for Training and Education in Prosthetics and Orthotics, University of Strathclyde, Curran Building, 131 St. James Rd., Glasgow G4 OLS, Scotland)

Orthotic control of ground reaction forces during running (a preliminary report). Glancy J. Orthot Prosth 1984 Autumn;38(3):12-40.
(CONTACT: John Glancy, Orthotics Division, Room 1100, Indiana University Medical Center, 702 Barnhill Drive, Indianapolis, IN 46223, USA)

Orthotic maintenance program for the myodysplastic child. Supan TJ. Clin Prosth Orthot 1984 Fall;8(4):12-14.
(CONTACT: Terry J. Supan, Division of Orthopaedics and Rehabilitation, Prosthetic-Orthotic Services, Dept. of Surgery, Southern Illinois University School of Medicine, P.O. Box 39265, Springfield, IL 62708, USA)

Orthotic pelvis control in spina bifida (Technical Note). Lehneis HR. Clin Prosth Orthot 1984 Fall;8(4):26-28.
(CONTACT: H. Richard Lehneis, Prosthetics and Orthotics, New York University Post-Graduate Medical School, 317 East 34th St., New York, NY 10016, USA)

Orthotic philosophies of treatment (Editorial). Motloch W. Clin Prosth Orthot 1984 Fall;8(4):9-10.
(CONTACT: Wallace Motloch, 325 Princeton Ave., Menlo Park, CA 94025, USA)

Physical properties of cross-linked polyethylene foam (plastazote) under clinical conditions. Minns RJ and Craxford AD. J Biomech 1984;17(10):709-712.
(CONTACT: R. J. Minns, Regional Medical Physics Dept., Durham Unit, Dryburn Hospital, Durham, UK)

Prefabricated functional braces for the treatment of fractures of the tibial diaphysis. Sarmiento A, Sobol PA, Sew AL, Ross ADK, Racette WL, and Tarr RR. J Bone Joint Surg 1984 Dec;66-A(9): 1328-1339.
(CONTACT: Augusto Sarmiento, Dept. of Orthopaedics, University of Southern California, Health Sciences Campus, General Hospital, Room 3900, 2025 Zonal Ave., Los Angeles, CA 90033, USA)

The recovery of quadriceps function in patients treated by cast bracing. Wardlaw D, Scott JM and McLauchlan J. Injury 1984; 15(4):245-249.
(CONTACT: D. Wardlaw, Dept. of Orthopaedics, Aberdeen Royal Infirmary, Aberdeen AB29 2ZN, Great Britain)

Rigid AFO—another choice (Technical Note). Doran RE. Clin Prosth Orthot 1984 Fall;8(4):28.
(CONTACT: Robert E. Doran, Thousand Oaks Prosthetics-Orthotics, 253 Lombard St., Suite C, Thousand Oaks, CA 91360, USA)

Rigid polyurethane foam casts for the fixation of human limbs (Technical Note). Weiss PL, Hunter IW, and Kearney RE. Med Bio Eng Comput 1984 Nov;22(6):603-604.
(CONTACT: P. L. Weiss, Biomedical Engineering Unit, McGill University, 3655 Drummond St., Montreal, Quebec H36 1Y6, Canada)

Rochester parapodium (Technical Note). Kinnen E, Gram M, Jackman KV, Peale FV, Haake PW, Tindall GA, and Brown JA. Clin Prosth Orthot 1984 Fall;8(4):24-25.
(CONTACT: Edwin Kinnen, Dept. of Electrical Engineering, University of Rochester, Rochester, NY 14627, USA)

Role of cephalo cervico thoracic dynamic splint in management of congenital torticollis. Joshi HC, Mathur BP, and Oberoi HS. Orthot Prosth 1984 Winter;38(4):54-57.
(CONTACT: H. C. Joshi, Dept. of Surgery, Armed Forces Medical College, Pune-40, India)

Sheet plastics and their applications in orthotics and prosthetics. Showers DC and Strunck ML. Orthot Prosth 1984 Winter;38(4): 41-48.
(CONTACT: David C. Showers, Orthotics and Prosthetics Lab, Dept. of Physical Medicine and Rehabilitation, Hospital of the University of Pennsylvania, 3400 Spruce St., G-1, Philadelphia, PA 19104, USA)

Skiing orthosis for recurrent shoulder dislocation. Metheny JA. Amer J Sports Med 1984;12(1):82-83.
(CONTACT: J. A. Metheny, Dept. of Orthopaedic Surgery, Division of Sports Medicine, Gundersen Clinic Ltd., La Crosse, WI 54601, USA)

Spinal orthoses. Levine AM. Amer Fam Phys 1984;29(3):277-280.
(CONTACT: A. M. Levine, Baylor College of Medicine, 1333 Moursund Ave., Houston, TX 77030, USA)

Total contact casting in diabetic patients with neuropathic foot ulcerations. Helm PA, Walker SC, and Pullium G. Arch Phys Med Rehab 1984 Nov;65(11):691-693.
(CONTACT: Phala A. Helm, Dept. of Physical Medicine and Rehabilitation, University of Texas Health Science Center at Dallas, 5323 Harry Hines Blvd., Dallas, TX 75235, USA)

TRIO. Fillauer KD. Orthot Prosth 1984 Winter;38(4):34-40.
(CONTACT: Karl D. Fillauer, Fillauer Orthopedic, Inc., 314 North Shore Drive, Knoxville, TN 37919, USA)

Varus-control molded ankle-foot orthosis. Haberman LJ. Inter-Clin Info Bull 1984 Autumn;19(3):65.
(CONTACT: Louis J. Haberman, Kessler Institute for Rehabilitation, 1199 Pleasant Valley Way, West Orange, NJ 07052, USA)

Vertebral compression fractures—treatment with a composite thoraco-lumbar orthosis (Technical Note). Howe AL. Orthot Prosth 1984 Winter;38(4):75-78.
(CONTACT: Albert L. Howe, Orthotics-Prosthetics Lab, Veterans Administration Medical Center, 1310 24th Ave., South, Nashville, TN 37203, USA)

"Zero-position" functional shoulder orthosis for postoperative management of rotator cuff injuries. Ozaki J and Kawamura I. Orthot Prosth 1984 Autumn;38(3):63-68.
(CONTACT: Jiro Ozaki, Dept. of Orthopaedic Surgery, Nara Medical University, Kashihara, Nara, 634, Japan)

PROSTHETICS

Acoustic myography. Barry DT, Leonard JA, Jr, Gitter A, and Ball RD. Inter-Clin Info Bull 1984 Autumn;19(3):54.
(CONTACT: Daniel T. Barry, University of Michigan Hospital, Box 55, 1405 East Ann St., Ann Arbor, MI 48109, USA)

ADEPT—innovative design concepts in body-powered children's terminal devices. Radocy R. Inter-Clin Info Bull 1984 Autumn; 19(3):52.
(CONTACT: Robert Radocy, Therapeutic Recreation Systems, 1280 28th St., Boulder, CO 80803, USA)

Advanced prosthetic techniques for below knee amputations. Staats TB. Orthopedics 1985 Feb;8(2):249-258.
(CONTACT: Timothy B. Staats, Prosthetics and Orthotics Education Program, Rehabilitation Center, Room 22-56, UCLA School of Medicine, 1000 Veteran Ave., Los Angeles, CA 90024, USA)

Avoidable amputation problems and responsibility of surgeons. Rubin G, Dixon M, Fischer E. Orthop Rev 1985 Jan;14(1):38-44.
(CONTACT: Gustav Rubin, Special Prosthetic Clinic Team, Veterans Administration, 252 Seventh Ave., New York, NY 10001, USA)

Camp-workshop for adolescent amputees: an interval report. Diurba B, Gregg G, and Green WL. Inter-Clin Info Bull 1984 Autumn;19(3):59.
(CONTACT: Beverly Diurba, Children's Hospital of Pittsburgh, Amputee and Orthotic Clinic, 125 DeSoto St., Pittsburgh, PA 15213, USA)

The CAPP terminal device, size #2. Sumida CT and Shaperman J. Inter-Clin Info Bull 1984 Autumn;19(3):52.
(CONTACT: Carl T. Sumida, Child Amputee Prosthetics Project, University of California at Los Angeles, 1000 Veteran Ave., Los Angeles, CA 90024, USA)

A case study—special choparts prosthesis with custom molded foot (Technical Note). Young RD. Orthot Prosth 1984 Winter;38(4): 79-84.
(CONTACT: Robert D. Young, Lee Orthopedic Appliances, 1210 Madison Ave., Memphis, TN 38104, USA)

Challenges of high-level upper-limb absence: creative solutions. Patton JG. Inter-Clin Info Bull 1984 Autumn;19(3):53.
(CONTACT: Joanna G. Patton, Child Amputee Prosthetics Project, University of California at Los Angeles, 1000 Veteran Ave., Los Angeles, CA 90024, USA)

Design and construction of a controller for powered elbow and terminal device for an amelic child. Dankmeyer CH, Jr, Phillips H, and Schmeisser G. Inter-Clin Info Bull 1984 Winter;19(4): 67-71,82.
(CONTACT: Charles H. Dankmeyer, Dankmeyer, Inc., 2010 Maryland Ave., Baltimore, MD 21218, USA)

Early fitting of the below knee amputee. Mooney V, McClellan B, Cummings D, and Smith P. Orthopedics 1985 Feb;8(2):199-202.
(CONTACT: Vert Mooney, Division of Orthopedic Surgery, Southwest Medical School, University of Texas, 5323 Harry Hines Blvd., Dallas, TX 75235, USA)

An improved modality in lower extremity amputee rehabilitation. Kerstein MD. Orthopedics 1985 Feb;8(2):207-209.
(CONTACT: Morris D. Kerstein, Dept. of Surgery, Tulane University School of Medicine, 1430 Tulane Ave., New Orleans, LA 70112, USA)

The ISNY socket system. Fishman S and Berger N. Inter-Clin Info Bull 1984 Autumn;19(3):63.
(CONTACT: Sidney Fishman, Prosthetics and Orthotics, New York University Medical Center, 317 East 34th St., New York, NY 10016, USA)

A long-term review of children with congenital and upper-limb deficiency. Scotland TR and Galway HR. Inter-Clin Info Bull 1984 Autumn;19(3):51.
(CONTACT: T. R. Scotland, Ontario Crippled Children's Center, 350 Rumsey Rd., Toronto, Ontario M4G 1R8, Canada)

The Mauch hydraulic knee unit for above knee amputation. Volatile TB, Roberson JR, and Whitesides TE. Orthopedics 1985 Feb;8(2):229-230.

(CONTACT: James R. Roberson, Dept. of Orthopedic Surgery, Emory University, Thomas K. Gleen Memorial Building, 69 Butler St., Atlanta, GA 30303, USA)

A microprocessor-based control system for multifunctional hand prostheses. Johnsson U, Korner L, and Herberts P. Int J Rehab Res 1984;7(2):193-195.
(CONTACT: Lars Korner, Dept. of Orthopaedic Surgery, East Hospital, S-416 85 Goteborg, Sweden)

Multiple amputees: the Gillette experience. Fielden RHN. Inter-Clin Info Bull 1984 Autumn;19(3):60.
(CONTACT: Robert H. N. Fielden, 393 North Dunlap, St. Paul, MN 55104, USA)

Multiple-durometer socket liners for PTB prostheses. Staats TB. Orthot Prosth 1984 Winter;38(4):63-68.
(CONTACT: Timothy B. Staats, Prosthetic-Orthotic Education Program, University of California at Los Angeles, 1000 Veteran Ave., Los Angeles, CA 90024, USA)

The multiple-limb-deficient child—when the patient/family declines to accept services offered. Leonard JA, Jr, and Kohl SJ. Inter-Clin Info Bull 1984 Autumn;19(3):58.
(CONTACT: James A. Leonard, Jr., University of Michigan, Box 55, 1405 East Ann St., Ann Arbor, MI 48202, USA)

Myoelectric below-elbow prostheses in the very young child. Sanderson ER, Caldwell RR, Wedderburn Z, and Scott RN. Inter-Clin Info Bull 1984 Autumn;19(3):55.
(CONTACT: Elizabeth R. Sanderson, Bio-Engineering Institute, University of New Brunswick, Fredericton, New Brunswick, E3B 5A3 Canada)

Myoelectric fitting at the level of wrist disarticulation. Nichol WR and Wiebe L. Inter-Clin Info Bull 1984 Autumn;19(3):56.
(CONTACT: William R. Nichol, Rehabilitation Centre for Children, 633 Welling Crescent, Winnipeg, Manitoba R3M 0A8, Canada)

Myoelectric program in Detroit. Morawa LG. Inter-Clin Info Bull 1984 Autumn;19(3):55.
(CONTACT: Lawrence G. Morawa, Detroit Institute for Children, 5447 Woodward Ave., Detroit, MI 48202, USA)

Myoelectrics for the child below-elbow amputee. Maiorano L. Inter-Clin Info Bull 1984 Autumn;19(3):56.
(CONTACT: Loretta Maiorano, Hand Rehabilitation Center, Philadelphia, PA 19107, USA)

Networking families on a prosthetic clinic for children. Chepolis L and Thorp N. Inter-Clin Info Bull 1984 Winter;19(4):80-82.
(CONTACT: Lynn Chepolis, Family Services, Gillette Children's Hospital, 200 East University Ave., St. Paul, MN 55101, USA)

The PAD—a new alignment device for prosthetic systems (the case of an AK endoskeletal prosthesis). Pierron G, Palfray M, and Berthet M. Orthot Prosth 1984 Winter;38(4):58-62.
(CONTACT: Gilbert Pierron, President Societe Proteor, 11 rue des Buttes, 21100 Dijon, France)

The partial foot amputation. Rubin G. J Amer Pod Assoc 1984 Oct;10(4):518-522.
(CONTACT: Gustav Rubin, Special Prosthetic Clinic Team, Veterans Administration, 252 Seventh Ave., New York, NY 10001, USA)

Prescription options for the below knee amputee: a review. Abrahamson MA, Skinner HB, Effeney DJ, and Wilson LA. Orthopedics 1985 Feb;8(2):210-220.
(CONTACT: Mark A. Abrahamson, Rehabilitation Research and Development/153-P, Veterans Administration Medical Center, 4150 Clement St., San Francisco, CA 94121, USA)

Prosthetic and physical therapy management of a patient with sacral agenesis. Morawa LG. Inter-Clin Info Bull 1984 Winter; 19(4):74-75.
(CONTACT: Lawrence G. Morawa, 3815 Pelham Rd., Dearborn, MI 48124, USA)

Prosthetic development: a case study. Kruger LM and Ekus L. Inter-Clin Info Bull 1984 Autumn;19(3):63.
(CONTACT: Leon M. Kruger, Shriners Hospital for Crippled Children, 516 Carew St., Springfield, MA 01104, USA)

Prosthetic use: correlation of clinic team and ergonomic laboratory in predicting its success. March H, Cummings V, and Steve L. Arch Phys Med Rehab 1984 Dec;65(12):775-777.
(CONTACT: Harold March, Dept. of Rehabilitation Medicine, Albert Einstein College of Medicine, Room 213-Jacobi, 1300 Morris Park Ave., Bronx, NY 10461, USA)

Psychological adaptation to amputation: an overview. Bradway JK, Malone JM, Racy J, Leal JM, and Poole J. Orthot Prosth 1984 Autumn;38(3):46-50.
(CONTACT: James M. Malone, Dept. of Surgery/112, Veterans Administration Medical Center, South 6th Ave., Tucson, AZ 85723, USA)

Psychosocial adaptation to traumatic limb loss. Kohl SJ. inter-Clin Info Bull 1984 Autumn;19(3):58.
(CONTACT: Sybil J. Kohl, Institute for Rehabilitation and Research, 1333 Moursund, Houston, TX 77030, USA)

The quadrimembral limb-deficient child. Meyer LC, Bobalik K, Little J, and Withrow C. Inter-Clin Info Bull 1984 Autumn;19(3):61.
(CONTACT: Leslie C. Meyer, Shriners Hospital for Crippled Children, 2100 North Pleasantburg Dr., Greenville, SC 29609, USA)

A rationale for treatment of complete brachial plexus palsy. Shurr DG and Blair WF. Orthot Prosth 1984 Autumn;38(3):55-59.
(CONTACT: Donald G. Shurr, Dept. of Physical Therapy, University of Iowa Hospitals and Clinics, Iowa City, IA 52242, USA)

Reciprocate. . . goodwill for prosthetics too! Ekus L. Inter-Clin Info Bull 1984 Autumn;19(3):64.
(CONTACT: Lou Ekus, Shriners Hospital for Crippled Children, 516 Carew St., Springfield, MA 01104, USA)

A reciprocation prosthesis for a patient with sacral agenesis. Ekus L, Kruger L, and Ferguson N. Inter-Clin Info Bull 1984 Winter;19(4):76-79.
(CONTACT: Lou Ekus, Shriners Hospital for Crippled Children, 516 Carew St., Springfield, MA 01104, USA)

Sensory feedback in prosthetics: where do we go now? Scott RN and Sanderson ER. Inter-Clin Info Bull 1984 Autumn;19(3):54.
(CONTACT: Robert N. Scott, Bio-Engineering Institute, University of New Brunswick, Fredericton, New Brunswick, E3B 5A3 Canada)

So you want to begin a myoelectric program? Nekolny P. Inter-Clin Info Bull 1984 Autumn;19(3):57.
(CONTACT: Pamela Nekolny, Alfred I. DuPont Institute, Box 269, Wilmington, DE 19899, USA)

Static load response of the heels of SACH feet. Skinner HB, Abrahamson MA, Hung RK, Wilson LA, and Effeney DJ. Orthopedics 1985 Feb;8(2):225-228.
(CONTACT: Harry B. Skinner, Rehabilitation Research and Development/153-P, Veterans Administration Medical Center, 4150 Clement St., San Francisco, CA 94121, USA)

Stochastic analysis of myoelectric temporal signatures for multifunctional single-site activation of prostheses and orthoses.

Graupe D, Salahi J, and Zhang D. J Biomed Eng 1985 Jan;7(1): 18-29.
(CONTACT: Daniel Graupe, Dept. of Electrical and Computer Engineering, Illinois Institute of Technology, Chicago, IL 60616, USA)

A study of reaching by a user of a manually-operated artificial hand. Fraser C. Physiother 1984 Oct;70(10):393-394.
(CONTACT: C. Fraser, Dept. of Occupational Therapy, Addenbrooke's Hospital, Hill Rd., Cambridge CB2 2QQ, England)

Subjective evaluation of the UCBL polycentric knee linkage by active above knee amputees: a prospective trial. Jergesen HE, Hoaglund FT, and Roberts RA. Orthopedics 1985 Feb;8(2): 237-241.
(CONTACT: Harry E. Jergesen, Dept. of Orthopaedic Surgery/ U-471, University of California, San Francisco, CA 94143, USA)

The Toledo tenodesis prosthesis—a case history utilizing a new concept in prosthetics for the partial hand amputee. Cole DP, Davis GL, and Traunero JE. Orthot Prosth 1984 Winter;38(4):13-23.
(CONTACT: Daniel P. Cole, Cole Orthotics, Inc., 908 Phillips Ave., Toledo, OH 43612, USA)

Tucker-Syme prosthetic fitting in young people. Lyttle D. Inter-Clin Info Bull 1984 Autumn;19(3):62.
(CONTACT: David Lyttle, Rehabilitation / Respiratory Hospital, 800 Sherbrook St., Winnipeg, Manitoba R3A 1M, Canada)

Twenty-five-year longitudinal study of children fitted with below-elbow prostheses before the age of two. Clarke SD. Inter-Clin Info Bull 1984 Autumn;19(3):51.
(CONTACT: Susan D. Clarke, Child Amputee Prosthetics Project, University of California at Los Angeles, 1000 Veteran Ave., Los Angeles, CA 90024, USA)

An upper-limb prosthesis for infants. Watts H. Inter-Clin Info Bull 1984 Autumn;19(3):53.
(CONTACT: Hugh Watts, Children's Hospital of Philadelphia, 34th and Civic Center Blvd., Philadelphia, PA 19104, USA)

Valgus lower-limb deformity in the juvenile amputee. Kiburz D and Jacobs R. Inter-Clin Info Bull 1984 Autumn;19(3):64.
(CONTACT: Douglas Kiburz, University of Kansas School of Medicine, 39th and Rainbow Blvd., Kansas City, KS 66103, USA)

A wrist-powered hand prosthesis. Dick T, Lamb DW, and Douglas WB. J Bone Joint Surg 1984 Nov;66-B(5):742-744.
(CONTACT: T. Dick, Bio-Engineering Unit, Princess Margaret Rose Orthopaedic Hospital, Fairmilehead, Edinburg EH10 7ED, Scotland)

Wrist rotator for the child-size hand. Dakpa R. Inter-Clin Info Bull 1984 Autumn;19(3):57.
(CONTACT: Rinchen Dakpa, Ontario Crippled Children's Centre, 350 Rumsey Rd., Toronto, Ontario M4G 1R8, Canada)

SENSORY AIDS

Coping with communicative handicaps: resources for the practicing clinicians. McFarlane S, et al., 1984, 200 p. College-Hill Press, 4284 41st St., San Diego, CA 92105, USA. Price: $25.00.

Speech perception through the skin: design and testing of a single-channel tactile aid to supplement lipreading. Gentile FE, April 20, 1984, 40p. Princeton University, Dept. of Psychology, Princeton, NJ 08544, USA)

HEARING IMPAIRED

Assessment of hearing disability: discussion paper. Coles RRA, Burns W, and King PF. J Royal Soc Med 1983;76(12):1032-1037.
(CONTACT: R. R. A. Coles, MRC Institute of Hearing Research, University Park, Nottingham NG7 2RD, Great Britain)

Auditory deficits in multiple sclerosis: a review. Mustillo P. Audiology 1984;23(2):145-146.
(CONTACT: P. Mustillo, Dept. of Psychology, Concordia University, Montreal, Quebec H3G 1M8 Canada)

Auditory-nerve correlates of loudness summation with stimulus bandwidth in normal and pathological cochleae. Pickles JO. Hearing Res 1983;12(2):239-250.
(CONTACT: J. O. Pickles, Dept. of Physiology, University of Birmingham B15 2TJ, Great Britain)

Bases of hearing sciences. Durrant JD and Lovrinic JH, 2nd ed, 1984, 210 p. Williams and Wilkins, 428 East Preston St., Baltimore, MD 21202, USA)

Cochlear implant: clinical status, 1985. Facer GW. Mayo Clin Proc 1985 Feb; 60(2):136-138.
(CONTACT: George W. Facer, Dept. of Otorhinolaryngology, Mayo Clinic, Rochester, MN 55905, USA)

Cochlear implant: the first step. Benowitz SI. Science News 1984 Dec 15;126(24):337.
(CONTACT: Steven I. Benowitz, Science Service, Inc., 1719 N St., NW, Washington, DC 20036, USA)

Cochlear implants in clinical use. Keidel WD and Finkenzeller P, eds, 1984, 176 p. S. Karger, 150 Fifth Ave., Suite 1103, New York, NY 10011, USA. Distributed by Albert J. Phiebig, P.O. Box 352, White Plains, NY 10602, USA. Price: $84.00.

A comparison of behind-the-ear high-fidelity linear hearing aids and two-channel compression aids, in the laboratory and in everyday life. Laurence RF, Moore BCJ, and Glasberg BR. Brit J Audiol 1983;17:31-48.
(CONTACT: Brian C. J. Moore, Dept. of Experimental Psychology, University of Cambridge, Downing St., Cambridge CB2 3EB, England)

Comparison of reading comprehension task performance for deaf and hearing readers. Davey B, La Sasso C and Macready G. J Speech Hear Res 1983;26(4):622-628.
(CONTACT: B. Davey, Reading Center, College of Education, University of Maryland, College Park, MD 20742, USA)

Comparisons of speech recognition in noise by mildly-to-moderately hearing-impaired children using hearing aids and FM systems. Hawkins DB. J Speech Hear Disord 1984 Nov;49(4): 409-418.
(CONTACT: David B. Hawkins, Army Audiology and Speech Center, Walter Reed Army Medical Center, Washington, DC 20307, USA)

Crafting sound from silence. Franklin D. Science News 1984 Oct 20;126(16):252-254.
(CONTACT: Deborah Franklin, Science Service, Inc., 1719 N St., NW, Washington, DC 20036, USA)

The deaf child: habilitation with and without a cochlear implant. Ling D and Nienhuys TG. Ann Otol Rhinol Laryngol 1983;92(61): 593-598.
(CONTACT: D. Ling, School of Human Communication Disorders, McGill University, Montreal, Quebec H3G 1A8, Canada)

Design and fabrication of an experimental cochlear prosthesis. Loeb GE, Byers CL, Rebscher SJ, Casey DE, Fong MM, Schindler RA, Gray RF, and Merzenich MM. Med Biol Eng Comput 1983 May;21:241-254.
(CONTACT: G. E. Loeb, National Institutes of Health, Building 36, Room 5A29, Bethesda, MD 20205, USA)

Develop and deliver. The Proceedings of the First International Conference on Assistive Devices for Hearing Impaired Persons. Fellendorf GW, ed, 1984, 60p. Fellendorf Associates, Inc., P.O. Box 32227, Washington, DC 20007, USA.

The effects of an acquired profound hearing loss on speech production: a case study. Plant G. Brit J. Audiol 1984;18(1):39-48.
(CONTACT: G. Plant, National Acoustic Lab, Millers Point, NSW 2000, Australia)

Electrical stimulation at the wrist as an aid for the profoundly deaf. Dodgson GS, Brown BH, Freeston IL, and Stevens JC. Clin Phys Physiol Meas 1983;4(4):403-416.
(CONTACT: G. S. Dodgson, Sheffield University and Health Authority, Dept. of Medical Physics and Clinical Engineering, Royal Hallamshire Hospital, Sheffield S10 2JF, Great Britain)

Etiology of deafness in Roberts School for the Deaf. Jansen VD and Schaeffer D. J Otolaryngol 1984;13(1):47-48.
(CONTACT: V. D. Jansen, Dept. of Otolaryngology, University of Western Ontario, London, Ontario N6G 5C1, Canada)

Experiences with the cochlear implant in preschool children. House WF, Berliner KI, and Eisenberg LS. Ann Otol Rhinol Laryngol 1983;92(61):587-592.
(CONTACT: W. F. House, House Ear Institute, Los Angeles, CA 90057, USA)

Experiences with computer-aided hearing aid fitting. Corell I, Ludvigsen C, and Birk Nielsen H. Scand Audiol 1983;12(3):147-150.
(CONTACT: I. Corell, Oticon Int., Bispebjerg Hospital, DK-2400 Copenhagen NV, Denmark)

Evaluation of a new frequency-transposing hearing aid and/or speech training aid for the sensory neural deaf. Velmans M. Int J Rehab Res 1984;7(2):196-198.
(CONTACT: Max Velmans, Dept. of Psychology, University of London Goldsmiths College, New Cross, London SE 14, Great Britain)

Factors relating to under-use of hearing aids. Brooks DN. Int J Rehab Res 1984;7(2):214-215.
(CONTACT: Danzil N. Brooks, Regional Audiology Unit, Withington Hospital, Manchester M2O 8LR, Great Britain)

Hearing aid on a chip. Benowitz SI. Science News 1984 Dec 15; 126(24):377.
(CONTACT: Steven I. Benowitz, Science Service, Inc., 1719 N St., NW, Washington, DC 20036, USA)

Hearing disorders in adults: current trends. Jerger J, ed, 1984, 355 p. College-Hill Press, 4284 41st St., San Diego, CA 92105, USA. Price: $29.50 plus $4.50 postage and handling.

Hearing health industry world directory, 1985. Hearing J 1984 Dec;37(12):21-137.
(CONTACT: Hearing Journal, The Laux Company, Inc., 20 Central Ave., P.O. Box 700, Ayer, MA 01432, USA)

Hearing science. Berlin C, ed, 1984, 380 p. College-Hill Press, 4284 41st St., San Diego, CA 92105, USA. Price: $49.50.

Hearing science and hearing disorders. Lutman ME and Haggard MP, eds, 1983. Academic Press, Orlando, FL 32887, USA. Price: $28.00.

The incidence of hearing impairment in a sample of Down's syndrome school-children. van Gorp E and Baker R. Int J Rehab Res 1984;7(2):198-200.
(CONTACT: Elise van Gorp, 53 Blanche St., St. Kilda, Victoria 3182, Australia)

An investigation of the auditory brain stem response in subjects with high-frequency cochlear hearing loss. Marshall AR. Aust J Audiol 1983;5(1):11-18.
(CONTACT: A. R. Marshall, Dept. of Otolaryngology, R. Victorian Eye Ear Hospital, East Melbourne, Victoria 3002, Australia)

Mechanics of hearing. De Boer E and Viergever MA, eds, 1983. Martinus Nijhoff, The Netherlands. Available from Kluwer Academic, 190 Old Derby St., Hingham, MA 02043, USA. Price: $36.00.

Mechanics of vocal fold vibration and laryngeal articulatory gestures produced by hearing-impaired speakers. Metz DE, Whitehead RL, and Whitehead BH. J Speech Hear Res 1984 Jan;27(1):62-69.
(CONTACT: D. E. Metz, Dept. of Communication Research, National Technical Institute for the Deaf, Rochester Institute of Technology, Rochester, NY 14623, USA)

A microcomputer-based binaural measurement system. Chan FHY, Poon PWF, Cheng KH, Li HF, and Hwang JCC. J Biomed Eng 1984 July;6(3):212-218.
(CONTACT: F. H. Y. Chan, Dept. of Electrical Engineering and Physiology, University of Hong Kong, Haking Wong Bldg., Pokfulam Rd., Hong Kong)

A model for predicting hearing aid performance. Karzon RG and Niemoeller AF. Scand Audiol 1983;12(4):275-284.
(CONTACT: R. G. Karzon, Central Institute for the Deaf, St. Louis, MO 63110, USA)

On objective criteria for hearing impairment and hearing disability. Parving A and ostri B. Scand Audiol 1983;12(3):165-169.
(CONTACT: A. Parving, Dept. of ENT/Audiology, Gentofte University Hospital, DK-2900 Hellerup, Denmark)

Operating ranges and intensity psychophysics for cochlear implants: Implications for speech processing strategies. Pfingst BE. Arch Otolaryngol 1984;110(3):140-144.
(CONTACT: B. E. Pfingst, Regional Primate Research Center SJ-50, University of Washington, Seattle, WA 98195, USA)

Peer perceptions of geriatrics wearing hearing aids. Iler KL, Danhauer JL and Mulac A. J Speech Hear Disord 1982;47(4): 433-438.
(CONTACT: K. L. Iler, Dept. of Speech, University of California, Santa Barbara, CA 93106, USA)

Perfecting your craft: the fine art of in-office ITE modification. Orton JF. Hearing J 1984 Oct;37(10):7-22.
(CONTACT: John F. Orton, Starkey Laboratories, Inc., Box 9457, Minneapolis, MN 55440, USA)

Relationship between two measures of aided binaural advantage. Cox RM and Bisset JD. J Speech Hear Disord 1984 Nov;49(4): 399-408.
(CONTACT: Robyn M. Cox, Memphis Speech and Hearing Center, 807 Jefferson Ave., Memphis, TN 38105, USA)

Social aspects of acquired hearing loss in adults. Beattie JA. Int J Rehab Res 1984;7(2):215-216.
(CONTACT: Judith Anne Beattie, Postgraduate School of Applied Social Studies, University of Bradford, Bradford BD7 1DP, West Yorkshire, Great Britain)

Speech and deafness. Calvert DR and Silverman SR, rev ed, 1983, 304 p. Alexander Graham Bell Association for the Deaf, 3417 Volta Place NW, Washington, DC 20007, USA. Price $14.95.

Speech audiometry and hearing aid selection: using sound-field and phoneme-recognition audiometry for optimum speech perception. Zelnick, E. Hearing J 1984 Oct;37(10):40-41.

(CONTACT: Ernest Zelnick, Professional Hearing Aid Service, 8410 20th Ave., Brooklyn, NY 11214, USA)

Training auditory-visual speech reception in adults with moderate sensorineural hearing loss. Montgomery AA, Walden BE, Schwartz DM, and Prosek RA. Ear Hear 1984;5(1):30-36.
(CONTACT: A. A. Montgomery, Army Audiology and Speech Center, Walter Reed Army Medical Center, Washington, DC 20307, USA)

Vidvox: a communication aid for deaf persons. Russell YS and Ruder D. Med Electron 1984 Sept (issue 88);15(4):127-131.
(CONTACT: Yvonne S. Russell, Sensory Aids Foundation, 399 Sherman Ave., Palo Alto, CA 94306, USA)

The year of the ITE: 1984 US hearing aid sales summary. Mahon WJ. Hearing J 1984 Dec;37(12):7-11.
(CONTACT: William J. Mahon, The Laux Company, Inc., 20 Central Ave., P.O. Box 700, Ayer, MA 01432, USA)

SPEECH IMPAIRED

Articulation assessment and treatment issues. Daniloff RG, ed, 1984, 320 p. College-Hill Press, 4284 41st St., San Diego, CA 92105, USA. Price: $24.50.

Artificial larynx prosthesis: comparative clinical evaluation. Hanley Cohn JL, Hausfeld JN, and Jakubczak C. Laryngoscope 1984;94(1):43-45.
(CONTACT: J. L. Hanley Cohn, 60 Temple St., New Haven, CT 06510, USA)

Diagnosis of speech and language disorders. Nation JC and Aram DM, 2nd ed, 1984, 450 p. College-Hill Press, 4284 41st St., San Diego, CA 92105, USA. Price $22.50.

Electroglottography for laryngeal function assessment and speech analysis. Childers DG and Larar JN. IEEE Trans Biomed Eng 1984 Dec;BME-31(12):807-817.
(CONTACT: Donald G. Childers, Dept. of Electrical Engineering, University of Florida, Gainesville, FL 32611, USA)

An electro-ocular switch for communication of the speechless. Ten Kate JH and van der Meer PM. Med Prog Technol 1983-1984; 10(3):135-141.
(CONTACT: J. H. Ten Kate, Applied Physics Dept., Delft University of Technology, Lorentzweg 1, P.O. Box 5046, 2600 GA Delft, The Netherlands)

Frequency of word occurrence in communication samples produced by adult communication aid users. Beukelman DR, Yorkston KM, Poblete M, and Naranjo C. J Speech Hear Disord 1984 Nov;49(4):360-367.
(CONTACT: David R. Beukelman, Rehabilitation Medicine, RJ-30, University of Washington Hospital, Seattle, WA 98195, USA)

Primary vocal rehabilitation using the Blom-Singer and Panje voice prostheses. Maves MD and Lingeman RE. Ann Otol Rhinol Laryngol 1982 July-Aug;91(4):458-460.
(CONTACT: Michael D. Maves, Dept. of Otolaryngology-Head and Neck Surgery, Indiana University School of Medicine, 1100 West Michigan St., Indianapolis, IN 46223, USA)

Speaking the language of sign: the art and science of signing. Schein JD, 1984. Doubleday, 673 Fifth Ave., New York, NY 10022, USA. Price: $9.95.

Speech and language rehabilitation: a workbook for the neurologically impaired. Keith R, vol 2, 2nd ed, 1984. Interstate, 19-27 North Jackson St., Danville, IL 61832, USA. Price: $8.50.

Speech disorders in adults. Costello JM, ed, 1984, 250 p. College-Hill Press, 4284 41st St., San Diego, CA 92105, USA. Price: $24.50.

Speech science. Daniloff R, ed, 1984, 300 p. College-Hill Press, 4284 41st St., San Diego, CA 92105, USA. Price: $25.00.

Treating language disorders: for clinicians by clinicians. Winitz H, ed, 1983, 240 p. University Park Press, 300 North Charles St., Baltimore, MD 21201, USA. Price: $19.95.

Voice disorders. Case JL, 1984, 350 p. Aspen Systems Corp., 1600 Research Blvd., Rockville, MD 20850, USA.

VISUALLY IMPAIRED

Accessible computers in the university. Kessler J. J Vis Impair Blind 1984 Nov;78(9):414-417.
(CONTACT: Jim Kessler, Handicapped Student Services, University of North Carolina-Chapel Hill, Chapel Hill, NC 27514, USA)

Applications of microcomputers by visually impaired persons. Goodrich GL. J Vis Impair Blind 1984 Nov;78(9):408-414.
(CONTACT: Gregory L. Goodrich, Western Blind Rehabilitation Center, Veterans Administration Medical Center, Palo Alto, CA 94304, USA)

Blindness in the information age: equality or irony? Scadden LA. J Vis Impair Blind 1984 Nov;78(9):394-400.
(CONTACT: Lawrence A. Scadden, 3122 North Nottingham St., Arlington, VA 22207, USA)

Computer for the blind. Gerhard E. Int J Rehab Res 1984;7(3): 342-345.
(CONTACT: Edmund Gerhard, Elektromechanische Konstruktion, Universitat-GH-Duisburg, Bismarckstrasse 81, D-4100 Duisburg 1, Federal Republic of Germany)

Computers: their genesis, use and potential. De L'Aune W. J Vis Imapir Blind 1984 Nov;78(9):401-407.
(CONTACT: William De L'Aune, Eastern Blind Rehabilitation Center, Veterans Administration Medical Center, West Spring St., West Haven, CT 06516, USA)

Constraints on microcomputer access for visually impaired persons. Young MF. J Vis Impair Blind 1984 Nov;78(9):426-427.
(CONTACT: Michael F. Young, George Peabody College, Vanderbilt University, Nashville, TN 37203, USA)

A content analysis of affiliative interactions in the dreams of the visually impaired. Kirtley DD and Sabo KT. Int J Rehab Res 1984; 7(3):333-335.
(CONTACT: Donald D. Kirtley, Dept. of Psychology, California State University, Fresno, CA 93740, USA)

Establishing computer-access centers: challenge for the '80s. Moyer JJ. J Vis Impair Blind 1984 Nov;78(9):435-436.
(CONTACT: Jeffrey J. Moyer, Cleveland Society for the Blind, 1909 East 101st St., Cleveland, OH 44106, USA)

An evaluation of night vision mobility aids. Morrissette DL, Marmor MF, and Goodrich GL. Ophthalmology 1983 Oct;90(10): 1226-1230.
(CONTACT: Gregory L. Goodrich, Western Blind Rehabilitation Center/124, Veterans Administration Medical Center, 3801 Miranda Ave., Palo Alto, CA 94304, USA)

Eye pathology and low vision aids. Fonda G. Ann Ophthalmol 1984;16(5):438-442.
(CONTACT: G. Fonda, Low Vision Service, Saint Barnabas Medical Center, Old Short Hills Rd., Livingston, NJ 07039, USA)

A family training program for adventitiously blinded and low vision veterans. Dumas A and Sadowsky AD. J Vis Impair Blind 1984 Dec;78(10):473-478.
(CONTACT: Arlene Dumas, Western Blind Rehabilitation Center/

124, Veterans Administration Medical Center, 3801 Miranda Ave., Palo Alto, CA 94304, USA)

The functional assessment of verbal impairment. Taylor Sarno M. Scand J Rehab 1983;15(Suppl 9):75-81.
(CONTACT: M. Taylor Sarno, Speech Pathology Service, Institute of Rehabilitation Medicine, New York University Medical Center, 400 East 34th St., New York, NY 10016, USA)

Large-print computers: an evaluation of their features. Morrissette DL. J Vis Impair Blind 1984 Nov;78(9):428-434.
(CONTACT: Diane L. Morrissette, 2140 Yale St., Palo Alto, CA 94306, USA)

Longitudinal study of vision in cerebral palsy. Lo Cascio GP. Amer J Optom Physiol Opt 1984 Nov;61(11):689-692.
(CONTACT: George P. Lo Cascio, 379 North Central Ave., Valley Stream, NY 11580, USA)

The microcomputer as a laboratory aid for visually impaired science students. Morrison RC and Lunney D. J Vis Impair Blind 1984 Nov;78(9):418-425.
(CONTACT: Robert C. Morrison, Dept. of Chemistry, East Carolina University, Greenville, NC 27834, USA)

An overview of low vision care: accomplishments and ongoing problems. Rosenbloom AA. J Vis Impair Blind 1984 Dec;78(10): 491-493.
(CONTACT: Alfred A. Rosenbloom, Illinois College of Optometry, 3241 South Michigan Ave., Chicago, IL 60616, USA)

Perceptions of tactile and visual iconicity by blind and sighted groups. Griffith PL and Robinson JH. J Vis Impair Blind 1984 Dec;78(10):481-487.
(CONTACT: Penny L. Griffith, Dept. of Special Education, Kent State University, 401 White Hall, Kent, OH 44242, USA)

Rehabilitation engineering for the blind. Brabyn JA. Med Electron 1984 Sept (issue 88);15(4):102-105.
(CONTACT: John A. Brabyn, Smith-Kettlewell Institute, 2232 Webster St., San Francisco, CA 94115, USA)

A report on electronic travel aid users: three to five years later. Simon EP. J Vis Impair Blind 1984 Dec;478(10):78-480.
(CONTACT: Ellen Perlman Simon, Beth Abraham Hospital, 612 Allerton Ave., Bronx, NY 10467, USA)

Retention of movement cues by visually impaired persons. Toole T, McColskey D, and Rider RA. J Vis Impair Blind 1984 Dec;78(10): 487-490.
(CONTACT: Tonya Toole, Dept. of Movement Science and Physical Education, College of Education, Florida State University, Tallahassee, FL 32306, USA)

Short review of psycho-physiological studies into visual perception in normal and impaired vision. Novikova LA. Int J Rehab Res 1984;7(2):200-203.
(CONTACT: L. A. Novikova, Acad. Pedagog. SCI USSR, Defectol. Res. Inst., Moscow 119 834, USSR)

A simple, inexpensive method to improve low visual acuity of highly hypermetropic, aphakic patients. Kozlowski JMD, Jalkh AE, and Wang GJ. Arch Ophthalmol 1984;102(3):466-467.
(CONTACT: J. M. D. Kozlowski, Eye Research Institute of Retina Foundation, Boston, MA 02114, USA)

An unusual ocular presentation of multiple sclerosis (Case Report). Gutteridge IF. Amer J Optom Physiol Opt 1985 Jan;62(1): 69-71.
(CONTACT: Ian F. Gutteridge, Dept. of Optometry, University of Melbourne, Melbourne 3188, Australia)

Visual performance and reading capacity of partially sighted persons in a rehabilitation center. Krischer CC, Stein-Arsic M, Meissen R and Zihl J. Amer J Optom Physiol Opt 1985 Jan;62(1): 52-58.
(CONTACT: C. C. Krischer, Institut fur Neurobiologie, Kernforschungsanlage Julich GmbH, D-5170 Julich, West Germany)

Visually impaired travelers: the suburban environment. Joffee E. J Vis Impair Blind 1984 Dec;78(10):493.
(CONTACT: Elga Joffee, Bi-County Center, Lynbrook Annex, Services for Blind and Visually Impaired Persons, 272 Merrick Rd., Lynbrook, NY 11563, USA)

Voice-based program editor for visually impaired persons. Radhakrishnan T and Madras A. J Vis Impair Blind 1984 Nov;78(9):436-437.
(CONTACT: Alan Madras, 460 Abelard, #1D, Verdun, Quebec H3E 1B5, Canada)

SPINAL CORD INJURY

Anterior decompression of traumatic thoracolumbar fractures with incomplete neurological deficit using a retroperitoneal approach. McAfee PC, Bohlman HH, and Yuan HA. J Bone Joint Surg 1985 Jan;67-A(1):89-104.
(CONTACT: Paul C. McAfee, Dept. of Orthopaedics, Johns Hopkins Hospital and Johns Hopkins University School of Medicine, Harvey 608, Baltimore, MD 21205, USA)

An apparatus making possible restoration of simple functions of the tetraplegic hand. Kiwerski J and Pasniczek R. Paraplegia 1984 Oct;22(5):316-319.
(CONTACT: J. Kiwerski, Rehabilitation Institute, Konstancin, Poland)

Comprehensive education for those concerned with spinal cord injury patients. Houston JM. Paraplegia 1984 Aug;22(4):244-248.
(CONTACT: James M. Houston, Virginia Spinal Cord Injuries System, Woodrow Wilson Rehabilitation Centre, Fishersville, VA, USA)

Coping with spinal cord injury. Part II. Ray C and West J. paraplegia 1984 Aug;22(4):249-259.
(CONTACT: Colette Ray, Dept. of Psychology, Brunel University, Uxbridge, Middlesex UB8 3PH, UK)

Current status of surface electrical stimulation for idiopathic scoliosis. McCollough NC, III. Inter-Clin Info Bull 1984 Autumn; 19(3):66.
(CONTACT: Newton C. McCollough, III, Dept. of Orthopedics and Rehabilitation, University of Miami School of Medicine, Box 106960, Miami, FL 33101, USA)

Development and evaluation of a universal contoured cushion. Perkash I, O'Neil H, Politi-Meeks D, and Beets CL. Paraplegia 1984 Dec;22(6):358-365.
(CONTACT: I. Perkash, Spinal Cord Injury Service, Veterans Administration Medical Center, Palo Alto, CA 94304, USA)

First accountability in a specialized seating program. Tervo RC, Hurlburt B, Powalinsky AC, and Leszczynski J. Inter-Clin Info Bull 1984 Autumn;19(3):60.
(CONTACT: R. C. Tervo, University Hospital, Saskatoon, Saskatchewan S7N 0X0, Canada)

H-reflex changes following spinal cord injury. Little JW and Halar EM. Arch Phys Med Rehab 1985 Jan;66(1):19-22.
(CONTACT: James W. Little, Rehabilitation Medicine Service/ 117, Veterans Administration Medical Center, 1660 Columbian Way South, Seattle, WA 98108, USA)

Incidence of medical complications in spinal cord injury: patients in specialized, compared with non-specialized centres. Donovan WH, Carter RE, Bedbrook GM, Young JS, and Griffiths ER. Paraplegia 1984 Oct;22(5):282-290.
(CONTACT: William H. Donovan, Institute for Rehabilitation and Research, 1333 Moursund, Houston, TX 77030, USA)

A locking hook spinal rod system for stabilization of fracture-dislocations and correction of deformities of the dorsolumbar spine: a biomechanic evaluation. Jacobs RR, Schlaepfer F, Mathys R, Jr, Nachemson A, and Perren SM. Clin Orthop Rel Res 1984 Oct;189:168-177.
(CONTACT: Rae R. Jacobs, Section of Orthopaedic Surgery, Kansas University Medical Center, 39th and Rainbow Blvd., Kansas City, KS 66103, USA)

Management of three quadriplegic infants. Watts HG and Homa M. Inter-Clin Info Bull 1984 Autumn;19(3):59.
(CONTACT: Hugh G. Watts, Children's Hospital of Philadelphia, 34th St. and Civic Center Blvd., Philadelphia, PA 19104, USA)

Manipulation and pain tolerance: a controlled study of the effect of spinal manipulation on paraspinal cutaneous pain tolerance levels. Terrett ACJ and Vernon H. Amer J Phys Med 1984 Oct;63(5):217-225.
(CONTACT: Howard Vernon, Director of Research, Canadian Memorial Chiropractic College, 1900 Bayview Ave., Toronto, Ontario M4G 3E6, Canada)

A new method for continuous intraoperative measurement of Harrington rod loading patterns. Daniels AU, Gemperline P, Grahn AR, and Dunn HK. Ann Biomed Eng 1984;12(3):233-246.
(CONTACT: A. U. Daniels, Orthopedic Bioengineering Laboratory, Division of Orthopedic Surgery, University of Utah School of Medicine, Salt Lake City, UT 84132, USA)

Physical therapist role satification in the treatment of the spinal-cord-injured person. Curtis KA. Phys Ther 1985 Feb;65(2):197-200.
(CONTACT: Kathleen A. Curtis, Mount St. Mary's College, 12001 Chalon Rd., Los Angeles, CA 90049, USA)

Power spectra and somatonsensory evoked potentials in spinal cord injury. Simpson RK, Jr, Blackburn JG, Martin HF, III, and Katz S. J Clin Eng 1984 July-Sept;9(3):239-246.
(CONTACT: Richard K. Simpson, Jr., Dept. of Physiology, Medical University of South Carolina, 80 Barre St., Charleston, SC 29401, USA)

The prediction of curve progression in untreated idiopathic scoliosis during growth. Lonstein JE and Carlson JM. J Bone Joint Surg 1984 Sept;66-A(7):1061-1071.
(CONTACT: John E. Lonstein, Twin Cities Scoliosis Center, 606 24th Ave. South, Minneapolis, MN 55454, USA)

Pressure sore management: efficacy of a moisture reactive occulsive dressing. Yarkony GM, Kramer E, King R, Lukane C, and Carle TV. Arch Phys Med Rehab 1984 Oct;65(10):597-600.
(CONTACT: Gary M. Yarkony, Rehabilitation Institute of Chicago, 345 East Superior, Chicago, IL 60611, USA)

Pressure sores in elderly patients: the epidemiology related to hip operations. Versluysen M. J Bone Joint Surg 1985 Jan;67-B (1):10-13.
(CONTACT: Margaret Versluysen, Dept. of Medical Electronics, Central Nursing Offices, St. Bartholomew's Hospital, West Smithfield, London EC1A 7BE, England)

Rehabilitation after spinal cord injuries complicated by previous lesions. Ohry A and Frankel HL. Paraplegia 1984 Oct;22(5): 291-296.
(CONTACT: Abraham Ohry, The Neurological Rehabilitation Dept., Chaim Sheba Medical Centre, Tel Hashomer 52621, Israel)

Relationship of hypercalciuria to diet and bladder stone formation in spinal cord injury patients. Lamid S, El Ghatit AZ, and Melvin JL. Amer J Phys Med 1984 Aug;63(4):182-187.
(CONTACT: Sofjan Lamid, Spinal Cord Injury Service/128, Veterans Administration Medical Center, 5000 West National Ave., Wood, Milwaukee, MI 53193, USA)

The role of stabilization in the treatment of cervical spine injuries. White AA, III and Panjabi MM. Spine 1984 July-Aug;9(5):512-522.
(CONTACT: Augustus A. White, III, Dept. of Orthopaedic Surgery, Beth Israel Hospital, 330 Brookline Ave., Boston, MA 02215, USA)

Self-concept among persons with long-term spinal cord injury. Green BC, Pratt CC, and Grigsby TE. Arch Phys Med Rehab 1984 Dec;65(12):751-754.
(CONTACT: Clara C. Pratt, College of Home Economics, Oregon State University, Corvallis, OR 97331, USA)

Skin blood flow in an area at risk for pressure sore. Ek AC, Lewis DH, Zetterqvist H, and Svensson PG. Scand J Rehab Med 1984;16(2):85-89.
(CONTACT: Anna-Christina Ek, Clinical Research Centre, University Hospital, S-581 85 Linkoping, Sweden)

Spine radiographs in patients with low-back pain: an epidemiological study in men. Frymoyer JW, Newberg A, Pope MH, Wilder DG, Clements J, and MacPherson B. J Bone Joint Surg 1984 Sept;66-A(7):1048-1055.
(CONTACT: John W. Frymoyer, Dept. of Orthopaedics and Rehabilitation and Biometry Facility, University of Vermont, College of Medicine, Burlington, VT 05405, USA)

Sympathetic activity in man after spinal cord injury: outflow to skin below the lesion. Wallin BG and Stjernberg L. Brain 1984; 107(1):183-198.
(CONTACT: B. G. Wallin, Dept. of Clinical Neurophysiology, University Hospital, S-751 85 Uppsala, Sweden)

A tilting bed for urodynamic assessment of spinal cord injured patients. Gardner BP, Haycock JF, Parsons KF, Machin D, and Krishnan KR. Paraplegia 1984 Dec;22(6):383-385.
(CONTACT: J. F. Haycock, Chestnut Cottage 5, Pinfold Lane, Scarisbrick, Nr Ormskirk, Lancashire L40 8HR, UK)

Total body water and its distribution in men with spinal cord injury. Cardus D and McTaggart WG. Arch Phys Med Rehab 1984 Sept;65(9):509-512.
(CONTACT: David Cardus, Baylor College of Medicine, 1333 Moursund Ave., Houston, TX 77030, USA)

Treatment of femoral shaft fractures in the spinal cord injury patient using the Wagner leg lengthening device. Baird RA and Kreitenberg A. Paraplegia 1984 Dec;22(6):366-372.
(CONTACT: Robert A. Baird, Division of Orthopaedic Surgery, University of California-Irvine Medical Center, 101 City Drive South, Orange, CA 92668, USA)

Treatment of fractures and dislocations of the thoracic and lumbar spine (Current concepts review). Bohlman HH. J Bone Joint Surg 1985 Jan;67-A(1):165-169.
(CONTACT: Henry H. Bohlman, Dept. of Orthopaedics, Case Western Reserve University, 2074 Abington Road, Cleveland, OH 44106, USA)

Underseat pressure distribution in the sitting spinal injury patient. Minns RJ, Sutton RA, Duffus A, and Mattinson R. Paraplegia 1984 Oct;22(5):297-304.
(CONTACT: R. J. Minns, Regional Medical Physics Dept., Durham Unit, Dryburn Hospital, Durham DHI 5TW, UK)

An update on the early management of traumatic paraplegia (nonoperative and operative management). Donovan WH and

Dwyer AP. Clin Orthop Rel Res 1984 Oct;189:12-21.
(CONTACT: William H. Donovan, Institute for Rehabilitation and Research, 1333 Moursund Ave., Houston, TX 77030, USA)

Upper cervical spine injuries. Bundens DA, Rechtine GR and Bohlman HH. Orthop Rev 1984 Oct;13(10):556-565.
(CONTACT: David A. Bundens, Orthopaedic Service, Naval Regional Medical Center, Portsmouth, VA 23708, USA)

SURGERY

Amputations after vascular trauma in civilians. Adinolfi MF, Hardin WD, Jr, O'Connell RC, and Kerstein MD. South Med J 1983;76(10):1241-1243, 1248.
(CONTACT: M. F. Adinolfi, Dept. of Surgery, Tulane University School of Medicine, New Orleans, LA 70112, USA)

Bilateral wrist dislocation in an above knee amputee with advanced rheumatoid arthritis (Case Report): attempts at ambulation. Dorto AJ and Green SM. Amer J Phys Med 1984 Dec;63(6):298-302.
(CONTACT: Anthony J. Dorto, Dept. of Rehabilitation Medicine, Mount Sinai Services, City Hospital Center at Elmhurst, 79-01 Broadway, Elmhurst, NY 11373, USA)

From straps, braces, and buckles to implants and replacements. Savastano AA. Contemp Orthop 1985 Jan;10(1):103-112.
(CONTACT: A. A. Savastano, Dept. of Orthopaedic Surgery, Rhode Island Hospital, Providence, Rhode Island 02903, USA)

Guillotine amputation in the treatment of nonsalvageable lower-extremity infections. McIntyre KE, Jr, Bailey SA, Malone JM, and Goldstone J. Arch Surg 1984 Apr;119(4):450-453.
(CONTACT: K. E. McIntyre, Jr., Surgical Service, Veterans Administration Medical Center, Tucson, AZ 85723, USA)

Living with an amputation: what it means for patients and their helpers. Thompson DM and Haran D. Int J Rehab Res 1984;7(3): 283-292.
(CONTACT: Dorothy M. Thompson, Social Worker Service, Burton House, Withington Hospital, Nell Lane, Manchester M20 8 LR, UK)

Long-term results of the Chrisman-Snook operation for reconstruction of the lateral ligaments of the ankle. Snook GA, Chrisman OD, and Wilson TC. J Bone Joint Surg 1985 Jan;67-A (1):1-7.
(CONTACT: George A. Snook, 6 Hatfield St., Northampton, MA 01060, USA)

Major amputation in paraplegic and tetraplegic patients. Grundy DJ and Silver JR. Int Rehab Med 1984;6(4):162-165.
(CONTACT: D. J. Grundy, Midland Spinal Injuries Unit, The Robert Jones and Agnes Hunt Orthopaedic Hospital, Oswestry, Shropshire SY10 7AG, Great Britain)

A new technique for reconstruction of an open above-knee amputation. Rees R, Shack B, Hulsey T and Lynch J. Plast Reconstr Surg 1983;72(6):882-886.
(CONTACT: R. Rees, Plastic Surgery Service, Veterans Administration Medical Center, South Nashville, TN 37203, USA)

Opposition of the thumb: an anatomic and biomechanical study of tendon transfers. Cooney WP, Linscheid RL, and An KN. J Hand Surg 1984 Nov;9A(6):777-786.
(CONTACT: William P. Cooney, Dept. of Orthopedics, Mayo Clinic, Rochester, MN 55905, USA)

Popliteal and infrapopliteal arterial injuries: differential management and amputation rates. Yeager RA, Hobson RW, II, Lynch TG, et al. Amer Surg 1984;50(3):155-158.
(CONTACT: R. A. Yeager, Section of Vascular Surgery, Dept. of Surgery, University of Medicine and Dentistry of New Jersey, Newark, NJ, USA)

Postoperative and preprosthetic management of the below-knee amputee. Katz RT and Wu Y. Contemp Orthop 1985 Jan;10(1): 53-63.
(CONTACT: Richard T. Katz, Dept. of Rehabilitation Medicine, Northwestern University Medical School, 345 East Superior St., Chicago, IL 60611, USA)

Psychological response to amputation as a function of age and time since amputation. Frank RG, Kashani JH, Kashani SR, et al. Brit J Psychiatry 1984;144(5):493-497.
(CONTACT: R. G. Frank, Dept. of Physical Medicine and Rehabilitation, School of Medicine, Rusk Rehabilitation Center, Columbia, MO 65212, USA)

Surgical management of thoracolumbar spinal injuries: general principles and controversial considerations. Jacobs RR and Casey MP. Clin Orthop Rel Res 1984 Oct;189:22-35.
(CONTACT: Rae R. Jacobs, Section of Orthopaedic Surgery, Kansas University Medical Center, 39th and Rainbow Blvd., Kansas City, KS 66103, USA)

Syme and Boyd amputations in children. Frankovitch KF and Farrell WJ. Inter-Clin Info Bull 1984 Autumn;19(3):61.
(CONTACT: Karl F. Frankovitch, Shriners Hospital for Crippled Children, 1645 West 8th St., Erie, PA 16505, USA)

Tendon transfer for the restoration of upper limb function after a cervical spinal cord injury. Freehafer AA, Kelly CM, and Peckham PH. J Hand Surg 1984 Nov;9A(6):887-893.
(CONTACT: Alvin A. Freehafer, Director of Orthopaedics, Cleveland Metropolitan General / Highland View Hospital, 3395 Scranton Rd., Cleveland, OH 44109, USA)

Transcutaneous oxygen tension in selection of amputation level. Katsamouris A, Brewster DC, Megerman J, et al. Amer J Surg 1984;147(4):510-517.
(CONTACT: A. Katsamouris, General Surgical Services, Massachusetts General Hospital, Fruit St., Boston, MA 02114, USA)

Treatment of stump wound healing problems in the vascular amputee. Stern PH. Orthop Rev 1984 Aug;13(8):450-455.
(CONTACT: Peter H. Stern, Director of Rehabilitation, Burke Rehabilitation Center, 785 Mamaroneck Ave., White Plains, NY 10605, USA)