

## Research Resources

A monthly newsletter of the

AOTF Institute for the Study of Occupation and Health

July/August 2012

Summer Greetings to *Research Resources* colleagues:

*Any sufficiently advanced technology is indistinguishable from magic* said Sir Arthur C. Clarke (author, futurist, 1917-2008). Occupational therapists have long recognized the magic that technology can provide in changing everyday lives.

Technology is identified as a social determinant of health, function, and quality of life in [Healthy People 2020](#) that influences how people live, learn, play, and work across the lifespan. In the last several decades, we have seen technology change every aspect of our lives.

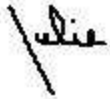
Technology has also become an increasingly important environmental intervention in services for individuals with disabilities. The [National Institute on Disability and Rehabilitation Research \(NIDRR\)](#) identified Technology for Access and Function as a priority area in its proposed [Long-Range Plan for Fiscal Years 2013-2017](#). The goal of this priority is to *enhance community integration, independence, productivity, competitiveness, and equal opportunity by mitigating or eliminating barriers found in large social systems such as public transportation, telecommunications, information technology, and the built environment*. Technology is important across all areas of practice, but is particularly important in occupational therapy services for children with special needs.

There is growing recognition that evidence-based technology can provide children with disabilities important tools for growing and learning in the school, home, and community. The [U.S. Department of Education](#) recently posted several grant opportunities that focus on technology for students. There are also a variety of organizations (e.g., [RESNA](#)) that emphasize the interdisciplinary nature of technology and the importance of research and evidence-based practice.

The [American Occupational Therapy Association](#) provides a variety of resources related to technology in occupational therapy, including a Special Interest Section on Technology, a Specialized Knowledge and Skills paper on Technology and Environmental Interventions, and Tech Day at the annual conference.

This month, *Research Resources* features publications that support occupational therapy interventions and identify opportunities for future study related to technology, particularly for children with special needs. We invite you to survey the sample assembled by our staff in the [Wilma L. West Library](#). As always, we welcome your ideas on ways we can improve this monthly newsletter, and we thank you for your support of AOTF.

Warm regards,



Julie D. Bass, PhD, OTR/L, FAOTA  
Associate Director  
Institute for the Study of Occupation and Health

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### AOTF Deadlines

[Academy of Research](#) -  
- September 1

[Scholarship Matching Grant Program](#) --  
September 30, 2012

[Award for Community Volunteerism](#) --  
October 1

### Wilma L. West Library Resource Notes

#### Technology and Occupational Therapy, 2010 - 2012

As Dr. Bass writes in her summer letter, the American Occupational Therapy Association (AOTA) provides resources related to technology, including two official documents. One is a 'Specialized Knowledge and Skills' paper (AOTA 2010a) and the other a "Position Paper" (2010b). Two recent papers reporting on the use of technology with the pediatric population from AOTA's Technology Special Interest Section are included in this list of articles dating from 2010 to the present and retrieved from OT SEARCH (Bibb, O'Brien & Custer, 2012 and McGrath & DeCoste, 2011). Another type of article not usually included in the library resource lists for the *Research Resource* is a continuing education article from *OT Practice* (Bondoc, Powers, Herz & Hermann, 2010 Jun 28).

The remaining citations are a selection of research articles that represent the wide variety of technology occupational therapy practitioners are enlisting in their interventions for multiples populations and diagnoses.

American Occupational Therapy Association. The Commission on Practice. (2010a). [Specialized knowledge and skills in technology and environmental interventions for occupational therapy practice](#). The American Journal of Occupational Therapy, 64, S44-S56.

American Occupational Therapy Association. The Commission on Practice. (2010b). [Telerehabilitation](#). The American Journal of Occupational Therapy, 64, S92-102.

Bibb, SI, O'Brien, SP & Custer, MG. (2012 Mar). LoAD books: Using e-technology to facilitate children's reading skills. Technology Special Interest Section Quarterly, 22, 1-4.

Boman, IL, Lindberg-Stenvall, C, Hemmingsson, H & Bartfai A. (2010). [A training apartment with a set of electronic memory aids for patients with cognitive problems](#). *Scandinavian Journal of Occupational Therapy*, 17, 140-148.

Bondoc, S, Powers, C, Herz, N & Hermann, V. (2010 Jun 28). Virtual reality-based rehabilitation. *OT Practice*, 15, CE1-CE8.

[A. Jean Ayres Award and other AOTF awards](#) -- October 1

[Scholarships](#) -- November 15

## AOTF Facebook Page

### What you missed on Facebook

Our Facebook page posts links to news of a more immediate or personal nature. These are some of last month's postings.

Does the culture of Black women give clues on [how to ease military suicides](#)?

Boston OT professor Karen Jacobs created an interactive e-book for children [How Full is Sophia's Backpack](#).

[Indian dance troupe](#) features dancers with disabilities



Like us on Facebook and keep up-to-date on news tailored for the OT community.

## Support AOTF

The American Occupational Therapy Foundation is a nonprofit organization dedicated to supporting our profession today and for the future. Gifts to AOTF help us make a real difference for so many people in our

Cardon, TA, Wilcox, MJ & Campbell, PH. (2011). [Caregiver perspectives about assistive technology use with their young children with autism spectrum disorders](#). *Infants and Young Children*, 24, 153-173.

Chantry, J & Dunford, C. (2010). [How do computer assistive technologies enhance participation in childhood occupations for children with multiple and complex disabilities? A review of the current literature](#). *The British Journal of Occupational Therapy*, 73, 351-365.

de Oliveira Assis, L, Tirado, MGA, de Melo Pertence, AE, Pereira, LSM & Mancini, MC. (2010). [Evaluation of cognitive technologies in geriatric rehabilitation: a case study pilot project](#). *Occupational Therapy International*, 17, 53-63.

Evans, N, Carey-Smith, B & Orpwood, R. (2011). [Using smart technology in an enabling way: a review of using technology to support daily life for a tenant with moderate dementia](#). *The British Journal of Occupational Therapy*, 74, 249-253.

Friederich, A, Bernd, T & De Witte, L. (2010). [Methods for the selection of assistive technology in neurological rehabilitation practice](#). *Scandinavian Journal of Occupational Therapy*, 17, 308-318.

Giesbrecht, EM, Ripat, JD, Cooper, JE & Quanbury, AO. (2011). [Experiences with using a pushrim-activated power-assisted wheelchair for community-based occupations: A qualitative exploration](#). *Canadian Journal of Occupational Therapy*, 127-136.

Gitlow, L, Dininno, D, Choate, L, Luce, RA & Flecky, K. (2011). [The provision of assistive technology by occupational therapists who practice in mental health](#). *Occupational Therapy in Mental Health*, 27, 178-190.

Hermann, VH, Herzog, M, Jordan, R, Hoferr, M, Levine, P & Page, SJ. (2010). [Telerehabilitation and electrical stimulation: an occupation-based, client-centered stroke intervention](#). *The American Journal of Occupational Therapy*, 64, 75-81.

Kam, N, Struzik, J, Jarus, T, & Rand, D. (2012). Is the Nintendo Wii suitable for stroke rehabilitation? A pilot feasibility and usability study. *The Israeli Journal of Occupational Therapy*, 21, E3-E25.

Kling, A, Campbell, PH & Wilcox, J. (2010). [Young children with physical disabilities: caregiver perspectives about assistive technology](#). *Infants and Young Children*, 23, 169-183.

Livengood, HM, Skidmore, ER, Huber, LM, Cox, SC, Bleakley, SM & Boninger, MJ. (2011). [Applying robotics in a clinical rehabilitation setting for upper limb neurological impairment](#). *Topics in Spinal Cord Injury Rehabilitation*, 17, 60-65.

Mann, WC & Ferreira de Mello, MA. (2010). [Assistive technology use](#)

profession through:

\* Scholarships

\* Research support and publications including *Research Resources* and *OTJR*

\* Development and recognition of leadership

\* Education and maintaining the largest collection of occupational therapy resources in the country.

Learn more at [www.aotf.org](http://www.aotf.org) or [Donate Now](#).

**Watch this space for AOTF Events at the AOTA Annual Conference, San Diego, April 25-28, 2013**

Watch for news about Foundation events -- Breakfast with a Scholar, Research Colloquium, and our Gala.

**OTJR: Occupation, Participation and Health Summer 2012**

OTJR: Occupation, Participation and Health, published quarterly by the

[by the elderly in Brazil and the United States](#). *Topics in Geriatric Rehabilitation*, 26, 62-69.

McFarland, LV, Winkler, SLH, Heinemann, AW, Jones, M & Esquenazi, A. (2010). [Unilateral upper-limb loss: satisfaction and prosthetic-device use in veterans and service members from Vietnam and OIF/OEF conflicts](#). *Journal of Rehabilitation Research and Development*, 47, 299-316.

McGrath, DL and DeCoste, DC. (2011 Jun). Occupational therapy and assistive technology: innovations for diverse, urban schools. *Technology Special Interest Section Quarterly*, 21, 1-3.

Rosenberg, L, Nygård, L & Kottorp, A. (2011). [Everyday Technology Use Questionnaire: Psychometric evaluation of a new assessment of competence in technology use](#). *OTJR: Occupation, Participation and Health*, 29, 52-62.

Sledziewski, L, Schaaf, RC & Mount, J. (2012). [Use of robotics in spinal cord injury: A case report](#). *The American Journal of Occupational Therapy*, 66, 51-58.

Sawatzky, B, Rushton, PW, Denison, I & McDonald R. (2012). [Wheelchair skills training programme for children: a pilot study](#). *Australian Occupational Therapy Journal*, 59, 2-9.

Topia, M & Hocking, C. (2012). Enabling development and participation through early provision of augmentative and alternative communication. *New Zealand Journal of Occupational Therapy*, 59, 24-30.

Vrkljan, B, (2010). [Facilitating technology use in older adulthood: the Person-Environment-Occupation Model revisited](#). *The British Journal of Occupational Therapy*, 73, 396-404.

Watson, AH, Smith, RO & Andersen, LT. (2010). [Effect of assistive technology in a public school setting](#). *The American Journal of Occupational Therapy*, 64, 18-29.

Wennberg, B & Kjellberg, A. (2010). [Participation when using cognitive assistive devices--from the perspective of people with intellectual disabilities](#). *Occupational Therapy International*, 17, 168-176.

Yang, CL, Lin, KC, Chin, HC, Wu, CY & Chen, CL. (2012). [Pilot comparative study of unilateral and bilateral robot-assisted training on upper-extremity performance in patients with stroke](#). *The American Journal of Occupational Therapy*, 66, 198-206.

## Conference Announcements

[4th Annual Health Literacy Annual Research Conference \(HARC\) \(October 22-23, 2012, Bethesda, Maryland\)](#)

American Occupational Therapy Foundation, Inc., offers original research articles of professional interest to the practicing occupational therapist with a focus on occupation and fostering interdisciplinary research. Visit: [OTJR Online](#).

Editorial  
[International Classification of Functioning, Disability and Health as the Glue](#)

Kathleen Matuska, PhD, OTR/L, FAOTA

Feature Articles

[Correlates of Community Participation Among Families Transitioning From Part C Early Intervention Services](#)

Mary Alunkal Khetani, ScD, OTR; Gael Orsmond, PhD; Ellen Cohn, ScD, OTR, FAOTA; Mary C. Law, PhD, FCAOT, FCAHS, OT Reg (Ontario); Wendy Coster, PhD, OTR, FAOTA

[Factors Associated With the Satisfaction of Participation in Daily Activities for Adults With Class III Obesity](#)

Mary A. Forhan, PhD, OT Reg (Ontario); Mary C. Law, PhD, FCAOT, FCAHS, OT Reg (Ontario); Valerie H. Taylor, MD, PhD; Brenda H. Vrkljan, PhD, OT Reg (Ontario)

HARC is an opportunity to advance the field of health literacy, a method to raise the quality of our research, and a venue for professional development.

[2012 State Conference, Occupational Therapy Australia \(September 13-15, 2012, Cairns, Queensland\)](#)

With the theme Navigating Change in an Ocean of Opportunity, this conference/expo will deliver public information sessions, guest speakers, pre-conference workshops, keynote speakers, papers, invited speakers, workshops and posters. AOTF Executive Director Charles Christiansen will be one of the keynote speakers.

[The Cognitive Orientation to Daily Occupational Performance \(CO-OP\) Approach \(The Basics October 9-10, 2012\) \(Certification Option February 1, 2013\) Washington University, St. Louis, Missouri](#)

The Cognitive Orientation to daily Occupational Performance (CO-OP) approach is an intervention to support the therapist in enabling performance. Initially created for children with Developmental Coordination Disorder (DCD), CO-OP is now used more broadly with both children and adults, particularly with those with head injury and stroke who have occupational performance difficulties.

[International Conference on Cerebral Palsy and Developmental Medicine \(March 8-10, 2013, Lucknow, India\)](#)

The theme of the conference is From Dogmas towards Evidence. Pre Conference Workshop: March 6-7, 2013.

[29th Annual Pacific Rim International Conference on Disability and Diversity Conference \(April 29-30, 2013, Honolulu, Hawaii\)](#)

Call For proposals opens August 1, 2012.

[8th World Congress of the International Society of Physical and Rehabilitation Medicine Conference \(June 6-11, 2015, Berlin, Germany\)](#)

[2012 AOTA Specialty Conference - Advanced Practice in Traumatic Injuries & PTSD: Lessons for Military, VA, & Civilian Practitioners \(September 7-8, 2012, San Antonio, Texas\)](#)

[2012 AOTA/NBCOT National Student Conclave - Students only \(November 9-10, 2012, Columbus, Ohio\)](#)

[2012 AOTA Specialty Conference - Adults with Stroke \(November 30 - December 1, 2012, Baltimore, Maryland\)](#)

## Online Resources

[AOTA/AOTF ACTOR Conference Webinar on Researcher-Clinician Collaborations: Issues to Consider](#)

Participate in the free webinar based on the Accelerating Clinical Trials and Outcomes Research (ACTOR) conference held December 1,



[The Mirror Neuron System: Innovations and Implications for Occupational Therapy](#)

Sook-Lei Liew, MA, OTR/L; Kathleen A. Garrison, MS, PhD; Julie Werner, MA, OTR/L; Lisa Aziz-Zadeh, PhD

[Contribution of Tactile and Kinesthetic Perceptions to Handwriting in Taiwanese Children in First and Second Grade](#)

Tzu-Ying Yu, PhD, OT; Jim Hinojosa, PhD, OT, FAOTA; Tsu-Hsin Howe, PhD, OTR; Gerald T. Voelbel, PhD

[Neighborhood Influences on Participation Among Older Adults With Chronic Health Conditions: A Scoping Review](#)

Carri Hand, PhD, BSc(OT); Mary C. Law, PhD, FCAOT, FCAHS, OT Reg (Ontario); Mary Ann McColl, PhD, MTS; Steven Hanna, PhD; Susan J. Elliott, PhD

## Funding Opportunities

[Health Impact Project: Advancing Smarter Policies for Healthier Communities Program Grants](#)

This call for proposals supports: 1) Health

2011.

Monday, July 30, 2012, 2:00-3:00 pm EST Presenter: Susan L. Murphy, ScD, OTR, University of Michigan  
[RSVP](#) by July 26, 2012 and you will receive the URL link and instructions for joining the webinar.

### Free ACTOR Resources

AOTA and AOTF announce the availability of [video presentations and discussions](#) and [PowerPoint presentations](#) from the ACTOR Conference held on Dec. 1-2, 2011, with the generous support of the Agency for Healthcare Research and Quality.

[Research Universities and the Future of America: Ten Breakthrough Actions Vital to Our Nation's Prosperity and Security Status](#)

This National Academies Press report examines trends in university finance, prospects for improving university operations, opportunities for deploying technology, and improvement in the regulation of higher education institutions. It also explores ways to improve pathways to graduate education, take advantage of opportunities to increase student diversity, and realign doctoral education for the careers new doctorates will follow. The report can be read free online.

[How Can Health Care Organizations Become More Health Literate? - Workshop Summary Released: July 18, 2012](#)

In November 2011, the Institutes of Medicine (IOM) Roundtable held a workshop to discuss the growing recognition that health literacy depends not only on individual skills and abilities but also on the demands and complexities of the health care system. This free document summarizes the workshop.

[Treatment for Posttraumatic Stress Disorder in Military and Veteran Populations: Initial Assessment Released: July 13, 2012](#)

Congress asked the Department of Defense, in consultation with Veterans Affairs, to sponsor an IOM study to assess their PTSD treatment programs and services. This first of two mandated reports examines some of the available programs to prevent, diagnose, treat, and rehabilitate those who have PTSD and encourages further research that can help to improve PTSD care. It is available free online.

[Redesigned Health Games Research Database](#)

Health Games Research, a national program of the Robert Wood Johnson Foundation's Pioneer Portfolio, released an update to the largest publicly available database in the field to make it easier to search for health games, research publications, organizations, and events.

## Education Resources

[Connect: Vivo Design Thinking Workshop \(August 28-30, 2012, Omaha, Nebraska\)](#)

This workshop, hosted by Vivo (Good Samaritan Society), the American Occupational Therapy Foundation, Schwartz-Powell (a

Impact Assessments (HIA) demonstration projects that inform a specific decision and help to build the case for the value of HIA; and 2) HIA program grants to enable organizations with previous HIA experience to conduct HIAs and develop sustainable, self-supporting HIA programs at the local, state, or tribal level.

Brief proposal deadline: **September 14, 2012**

Demonstration project grants proposal dealines: **September 28, 2012.**

[Investigations  
Furthering Employment  
Opportunities for  
Individuals with  
Disabilities](#)

The Disability and Rehabilitation Research Projects and Centers Program provides General Disability and Rehabilitation Research Grants to plan and conduct research, demonstration projects, training, and related activities, including international activities, to develop methods, procedures, and rehabilitation technology that maximize the full inclusion and integration of individuals with disabilities and to

design firm based in Minneapolis), and AIGA - Nebraska, will provide an opportunity to develop an innovative community concept with housing services, retail, and businesses targeted at seniors and their families on the 20 acres acquired by the Good Samaritan Society and possibly to be replicated by their communities around the country.

## Publications

[Under New Management Universities, Administrative Labor, and the Professional Turn](#)

Randy Martin explores the gulf between professors, who feel a loss of autonomy, and administrators, who face a panoply of institutional risks.

Martin, R. (2011) *Under New Management Universities, Administrative Labor, and the Professional Turn*. Philadelphia: Temple Press.

## Publishing Opportunities

[Special Issue of Family Relations on Families and Disabilities: Implications for Policy and Practice](#)

Guest Editors Anne F. Farrell and Gloria L. Krahn are planning a special edition focusing on families and disabilities from interdisciplinary perspectives. Call for Papers Deadline: **December 15, 2012.**

### Submissions on Soldier Rehabilitation Sought

[WORK: A Journal of Prevention, Assessment and Rehabilitation](#) is currently accepting article submissions for a special issue on soldier rehabilitation. A variety of presentation styles will be accepted, including but not limited to: clinical and research papers, literature reviews, and case studies. Manuscript description is due August 15, 2012 and the manuscript will be due by October 1, 2012. For more information, contact Guest Editor [Rebecca Wolf](#).

## Grants Bestowed

[Metro-New York District of NYSOTA Bestows 25 Research Grants](#)

Over a span of 15 years, the Metropolitan New York District (MNYD) of the New York State Occupational Therapy Association (NYSOTA) has fostered research for evidenced-based practice with 25 start-up grants of \$500.00 to members. This successful local program has been extended to the state level by NYSOTA to help foster larger OT specific research and has garnered interest from other states interested in the organization of the program and in the parameters of the research produced.

## Occupational Therapy: History in Focus

improve the effectiveness of services authorized under the Rehabilitation Act. The application deadline is **August 24, 2012.**

[Grants Available for Coop Programs that Enhance Quality of Life for Rural Seniors](#)

Mutual Service Cooperative Fund (MSC) administered by the [Cooperative Development Foundation](#) is looking for proposals on cooperative solutions for seniors in rural communities, with a preference for proposals integrating cooperative home care into rural housing developments. Applications are due **August 3, 2012.**

[American Association on Health and Disability Accepting Applications for 2012-2013 Scholarship Program](#)

This program supports students with disabilities pursuing higher education in a field related to disability and health. Deadline for submission is **November 15, 2012.**

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## Two First Ladies: Same Name, Same Cloth

On Tuesday Evening, September 14, a special banquet was held at the 21st Annual Meeting of the American Occupational Therapy Association, held in Atlantic City, NJ at the Hotel Chelsea. The meeting was the largest in the history of the association at that point, and the banquet was well attended, as it was honoring Eleanor Clarke Slagle, the retiring secretary of the association, who earlier in the day had been named an honorary president.

Speaking in tribute to Mrs. Slagle that evening, were Adolph Meyer, preeminent American psychiatrist and chairman of the Department of Psychiatry at Johns Hopkins University, who lauded her dedication to occupational therapy and her influence on his work, and Eleanor Roosevelt (ER), wife of President Franklin D. Roosevelt (FDR).

During her remarks, Mrs. Roosevelt lauded the untiring work of Eleanor Clarke Slagle, but could not resist the temptation to speak on the professional activities of women and the importance of advancing the cause of women in society. American society at the time was moving slowly but steadily in the direction of recognizing women's rights and during the preceding 20 years (coinciding with the work of Eleanor Clarke Slagle), America had amended the Constitution to permit voting by women, had elected its first Congresswoman, and had experienced its first woman on the Cabinet (Secretary of Labor Frances Perkins\*) appointed by FDR after strong advocacy by Eleanor Roosevelt .

The women's movement was greatly advanced by the tireless work of Eleanor Roosevelt. Her first book while serving as first lady was titled, *It's Up to the Women*. ER firmly believed women were special, that they had qualities that made them effective peacemakers, conferees, and mothers as well as fine politicians, professionals, and advocates.

It turns out that the two Eleanors had a great deal in common. They both worked in Settlement Houses as younger women. They were each exceptional leaders. They each had the skill, tenacity, and passion to achieve their aims in a culture dominated at the time by men, but most importantly, they each left legacies of accomplishment in their wake that continue to benefit others. For Eleanor Clarke Slagle, it's hard to imagine a more fitting speaker at her retirement than Eleanor Roosevelt.



Eleanor Clarke Slagle (left) and Eleanor Roosevelt



\* Perkins served for 12 years, longer than any other Labor Secretary and is credited with many important accomplishments. She was largely responsible for the U.S. adoption of Social Security, unemployment insurance, federal laws regulating child labor, and adoption of the federal minimum wage.

*AOTF is pleased to present OT:History in Focus, recollections of, through photos and reports, events and people that have shaped and defined the profession during its distinguished history.*

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