Sebastian and Lenore Rosica Research Festival
NTID / Rosica Hall
September 20, 2013

FIRST FLOOR EXHIBITS

1: On-Line Mathematics Video Resources for Deaf and Hard of Hearing Students

DeafTEC NSF Center of Excellence
Project Coordinator: Gary Blatto-Vallee, NTID Science & Math

2: Deaf Learners' Lexical Acquisition of English Verbs and Their Component Properties

Research on Employment and Adapting to Change (REACH) – Center for Career Studies
NSF Award: BCS-1251342, $300,502, September 1, 2013 to February 28, 2017
Project Director and P.I.: Gerald P. Berent, Ph.D. (Co-PIs: Kelly, Albertini, Schmitz, and Van Horn)

This research grant investigates deaf college students' knowledge of isolatable lexical properties of English verbs pertaining to transitivity and intransitivity, verb-determined sentence structure, the semantic roles of verbs' subjects and objects, meaning classes of verbs, and the roles verbs play in communicating events such as actions, activities, and accomplishments. The empirical results will contribute to the development of more effective methods for teaching English to deaf students and for enhancing deaf persons' communicative efficacy in their careers.

3: The NTID-to-COS Transition for Laboratory Science Students: Understanding Attitudes that Lead to Success

Research Center for Teaching & Learning (RC*f*TL)
Co-Authors: Matt Lynn, Sandra Connelly, Annemarie Ross, Denise Lengyel, and Karen Tobin

This project aims to understand and to support students as they transition from NTID's Laboratory Science Technology (LST) program into College of Science (COS) coursework. Student responses to the Grasha-Riechmann Student Learning Style Scales (GRSLSS) survey and their performance in COS General Biology and General & Analytical Chemistry courses are compared. These findings are complemented with student journal writings prepared as part of a mentorship program.

10: Deaf STEM Community Alliance

Center on Access Technology (CAT)
P.I.: Lisa Elliot with Ben Rubin and Donna Easton

This exhibit will highlight activities of the NSF-funded Deaf STEM Community Alliance including:

1. a poster explaining an overview of the project's goals and objectives
2. a display of our website and our virtual academic community
3. a video sampler showing examples of remote tutoring

The exhibit will also provide information on how faculty and students can become involved in the project.

11: Best Practices for Interpreters Using Video Conference Systems

Center on Access Technology (CAT)
P.I.: William Clymer

The goal of this project is to explore possibilities and applications of TelePresence to support communication in instructional environments for students who are deaf or hard-of-hearing, specifically focusing on the use of interpreters in these environments. This project explores the "best practices" for using interpreters with the CISCO TelePresence system and other applications.

12: Notification Systems for Mobile Devices and Medical Instruments

Center on Access Technology (CAT)
P.I.s and additional participants: Joseph Stanislow, Gary Behm, and Brian Trager for Mobile Devices; Gary Behm, Antonio Mondragon, and Joseph Stanislow for Medical Instruments; Ken Love, Computer Engineering Technology, CAST for Mobile Devices and Medical Instruments

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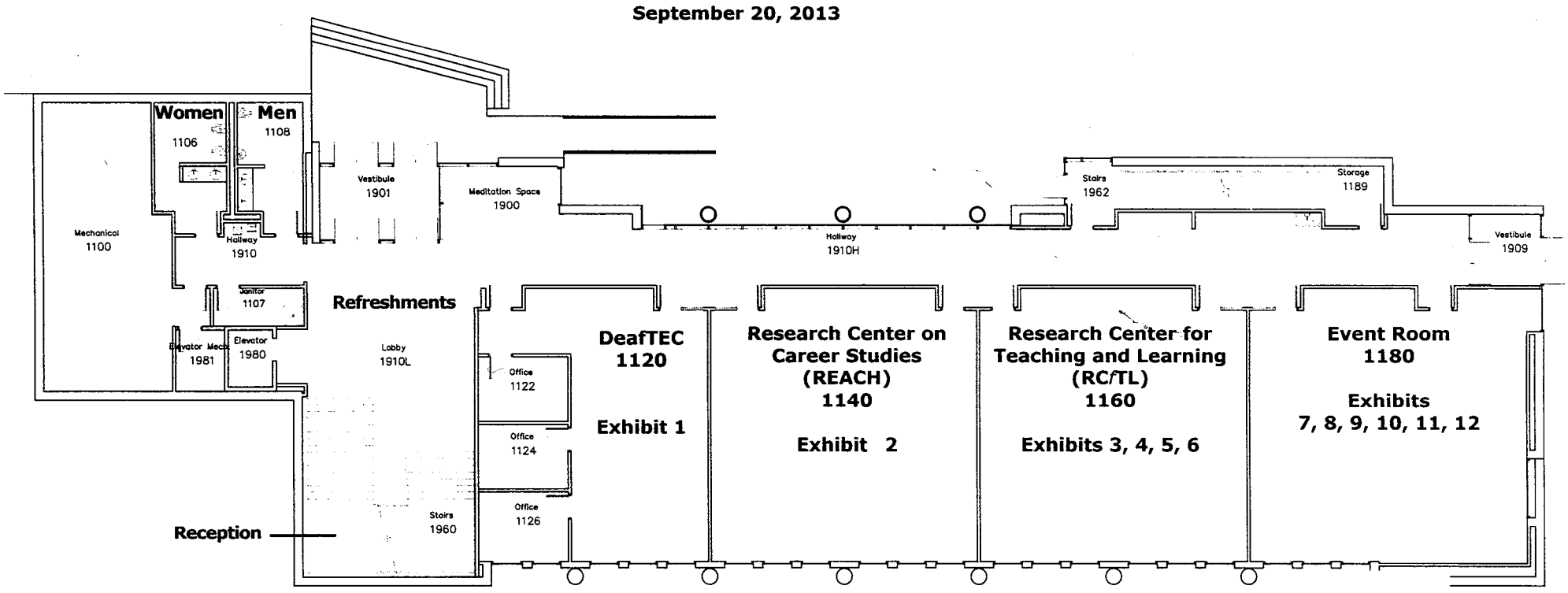
FIRST FLOOR



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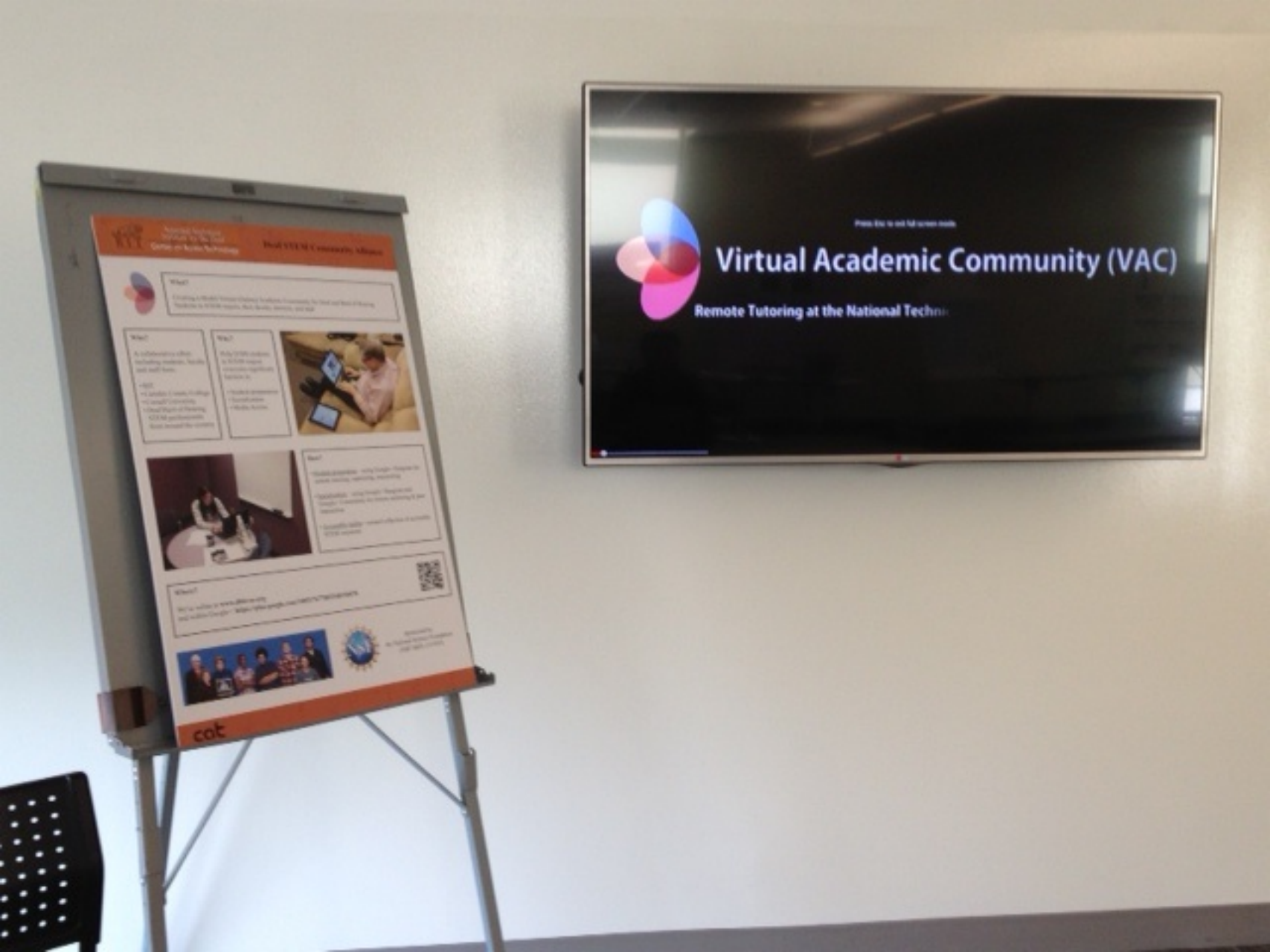
1. **On-Line Mathematics Video Resources for Deaf and Hard of Hearing Students**
2. **Deaf Learners' Lexical Acquisition of English Verbs and Their Component Properties**
3. **The NTID-to-COS Transition for Laboratory Science Students: Understanding Attitudes that Lead to Success**
4. **Motivations of and Best Practices for Instruction of Deaf and Hard of Hearing Students in Journalism**
5. **Cochlear Implant Technologies and Popular Culture: a Search for Social Identity**
6. **See-Through Interactive Communication Technology (S.L.I.M.)**
7. **Effectiveness of C-Print Mobile Captioning in STEM Lab Settings**
8. **Developing Electrophysiological (EEG) and Psychometric Technology to Help Diagnose Deaf Adults with Attention Deficits**
9. **A Browser-Based Instrument for Delivering Signed or Spoken Surveys in the Classroom or Over the Internet**
10. **Deaf STEM Community Alliance**
11. **Best Practices for Interpreters Using Video Conference Systems**
12. **The Notification Systems for Mobile Devices and Medical Instruments**


Virtual Academic Community (VAC)
Remote Tutoring at the National Techni
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