DIGITIZING FOR ACCESSIBILITY:
Building A Multimedia Disability History Archive That’s ADA Compliant

Andrew Leverenz, Sr. Web Developer

Krystal Schenk, Web Developer
Disability History at UT Arlington
1968 Sam Provence, John Dycus, and Joseph Rowe found the Handicap Club
(Handicapped Students Association)
1973

President Nedderman and the “Big Tour”
Coach Jim Hayes graduates from UTA and organizes the Freewheelers wheelchair basketball team.
1989 The first full-ride scholarship for adapted sports in the country. The Movin’ Mavs have since won eight national championships.
1993

Bill Clinton invites Movin’ Mavs to the White House
Nine different UTA athletes from five different countries compete in Paralympics.
2013
Interdisciplinary Minor in Disability Studies established
Grants
Disability History/Archive Consortium (DHAC)
Major Collection Sources
The best thing on wheels

Paralyzed in a farm accident, alumnus Rudy Ivens focused on new strengths to become the first wheelchair athlete inducted into the Olympic Hall of Fame.

Ivens later went on to become an Olympic athlete, inspiring millions. His story is a testament to perseverance and determination.

Dear Coach Hayes,

I was honored and humbled by your photograph of the 1953 National Chamions, Mav's. Congratulations to you and your fine athletes. Many thanks and warmest regards,

Sincerely,

[Signature]
DALLAS BUILDING AND CONSTRUCTION TRADES COUNCIL
Metadata Rules and Other Stuff
Metadata Rules

- 61 initial Dublin Core (DC) fields
- 4 different formats
- Sample descriptions of content for each format
Translating Dublin Core fields into Drupal fields

- Text
- Long text
- Date
- Boolean List
- Term Reference
- Integer
- File
- Image
- YouTube Video
Date field... Simple right?

Until you add...

- Unknown dates
- Partial dates
- Approximate dates
| Physical Characteristics of Original Format: | Original item type: Negative, B&W Original item size: 35mm Original item condition: Good |
| Administrative Data: | |
| Scan Date: | 2016-02-15 |
| Scan Initials: | Victor G. |
| QC Date: | 2016-07-18 |
| QC Initials: | Quarles, Donald |

<p>| Metadata Added By | Metadata Added | Last Modified |</p>
<table>
<thead>
<tr>
<th>User</th>
<th>Date</th>
<th>Date</th>
</tr>
</thead>
</table>

Topic Related Items

[Image of related items]
Existing Taxonomy:

- Topics (42) from Disability History Museum

New Taxonomies:

- Collections (29)
- Keywords (687)
- Organizations (475)
- People (1059)
- Places (241)
Filtering and Searching

Filter by format
- Image (502)
- Document (239)
- Audio (40)
- Video (11)
- Basic page (3)

Filter by people
- Hayes, Jim (88)
- Strachan, Paul A. (24)
- Provence, Sam L. (17)
- Sewell, James Carroll (15)
- Dilley, L. E. (14)

Filter by collection
- Fort Worth Star-Telegram Collection. Series 6: Negatives (460)
- University of Texas at Arlington. Movin Mavs Records (80)
- Dallas Building & Construction Trades Council (50)
- Texas Disability History Project Oral Histories (40)
- Fort Worth Trades Assembly Records (24)

Filter by place
- Fort Worth (Tex.) (110)
- Arlington (Tex.) (77)
- Dallas (Tex.) (59)
- Tarrant County (Tex.) (30)
- Austin (Tex.) (11)
<table>
<thead>
<tr>
<th><strong>Title vs. ID# vs. [Partial description]</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image.jpg" alt="Image of a runner crossing the finish line at a Special Olympics event" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>[Runner crosses finish line at Special Olympics]</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description:</strong> Runner crosses finish line that is being held by a woman which rests on shoulder of child, while others stand by the side at the Special Olympics Games at Mustang Stadium in Grapevine, 03/16/1986.</td>
</tr>
<tr>
<td><strong>Item File:</strong> <a href="image.jpg">Download 10014278.jpg (361.1 KB)</a></td>
</tr>
<tr>
<td><strong>Topic:</strong> Sports and Entertainment, Service Organizations, Cognitive Disability</td>
</tr>
<tr>
<td><strong>Keywords:</strong> Sports for people with disabilities, Special Olympics, Sports, Leisure</td>
</tr>
<tr>
<td><strong>Places:</strong> Mustang Stadium (Grapevine, Tex.), Grapevine (Tex.)</td>
</tr>
<tr>
<td><strong>Organizations:</strong> Special Olympics Texas</td>
</tr>
<tr>
<td><strong>Creator:</strong> Record, Tony (Photographer)</td>
</tr>
<tr>
<td><strong>Date Created:</strong> 1986-03-16</td>
</tr>
<tr>
<td><strong>Image Type:</strong> Color, Negative</td>
</tr>
<tr>
<td><strong>Language:</strong> English (United States)</td>
</tr>
<tr>
<td><strong>Collection:</strong> Fort Worth Star-Telegram Collection. Series 6: Negatives</td>
</tr>
<tr>
<td><strong>Identifier:</strong> 10014278</td>
</tr>
<tr>
<td><strong>Call Number:</strong> AAR406-6 03/16/1986 8300</td>
</tr>
<tr>
<td><strong>Publisher:</strong> University of Texas at Arlington</td>
</tr>
<tr>
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</tbody>
</table>
Subject vs. Keyword

Decision Makers

- User understanding
- Disability History Museum
Tools and Techniques
A11y Project Web Accessibility Checklist (http://a11yproject.com/)

The A11Y Project
A community-driven effort to make web accessibility easier.
PLANNING RESTRICTED SPACES

UNACCEPTABLE

3'-8" | 2'-10" CLEAR
OVER 3'-8" | 2'-8" CLEAR
Oral History Transcripts

Interview with Danny Fik conducted by Teresa Pritchett, March 17, 2016
- Basic biography: disability and involvement in adapted sports
- Accessibility at home and on campus
- Jim Hayes’ mentorship and influence
- Evolving wheelchair technology
- Community among wheelchair athletes
- Disability-related personal care

Interview with Adell Campbell
- Introduction
- Background of Campbell’s life
- Being an advocate for disabilities
- Working with ARC and beginnings of the Invisible Citizen
- Running for senate seat in 1978
- Going to Scotland

Interview with John Dycus conducted by Miles Shaffer, November 3, 2013
- Background biography
- Schooling
- Experiences in K-12 public school: special education and mainstreaming
- Accessibility at UT Arlington and early assistive technology
- Jim Hayes
- Diagnosis of Cerebral Palsy
YouTube Video Captioning
**Good:**
Man being assisted into van

**Better:**
Wheelchair bound man being raised into van

**Best:**
Governor’s Conference participant sitting in a wheelchair receives assistance from another man while boarding a van via a wheelchair lift
Responsive Design
Testing the Website
Web Accessibility Evaluation Tool WAVE

(wave.webaim.org)
Color Contrast and Color Blindness Checked

[http://webaim.org/resources/contrastchecker],
[http://colorfilter.wickline.org]
Site tested with screen readers (https://www.nvaccess.org/download/)
Navigated site using keyboard only
Usability testing by people with disabilities
Lessons Learned

- Consult your Web Developers... they have requirements too
- Expanding Descriptions
- Don’t forget image descriptions for OCR content
Brenda McClurkin
Dept. Head,
UTA Special Collections

Ramona Holmes
Dept. Head,
Digital Creation

Sarah Rose, Director,
Minor in Disability Studies & Associate Professor of History

Trevor Engel,
Disability Studies Assistant

Digital Creation Staff
(Left to Right) Jeff Downing, Derek Reese, Maggie Dwyer, Krystal Schenk, Mark Cook, Candy McCormic, Andrew Leverenz, Donald Quarles.

(Not shown) Diane Turner, Lynn Johnson & Faedra Wills.