“SNOW FALL”ING
Special Collections & Archives

Internet Librarian 2015
Jason Paul Michel, User Experience Librarian
Marcus Ladd, Special Collections Digital Librarian
THE INSPIRATION

The New York Times’ “Snow Fall” Web Site
VERTICAL SCROLLING
DESIGN PATTERN TREND

- Outside Online
- Mashable
- The Atlantic
We saw a potential connection between this form of storytelling and Special Collections. Special Collections are full of interesting, rich and unique stories.

Their digital representation, while widespread in content management systems such as ContentDM, can be lacking in sensory appeal.
COLLECTIONS VS. EXHIBITS

Library stacks are not an exhibit room. Digital collections are not online exhibits.

Neither has a narrative.
IN NEED OF A NARRATIVE

An exhibit draws from a collection (but isn’t limited to it), arranging materials not to optimize storage and retrieval but to make a point and tell a story.
NEEDS & OPTIONS

CONTENTdm
- Already in use
- Good metadata
- Good display options
- Not an exhibit
- Object-oriented

Omeka
- Exhibit options
- Open source
- Object-oriented

What We Need
- Exhibit-focused
- Open source
- Story-oriented
PUTTING IT TO USE

Cradle of Coaches

The Ready Ones

Stories of Freedom Summer

Covington’s Cincinnati
NOT FOR ALL ONLINE EXHIBITS

Revisiting Oxford

Miami and Oxford in the 1960s

A Gift of History

The Creative Codex

Books as Art in the Walter Havighurst Special Collections
Fall 2015
UNDERSTANDING THE DIFFERENCE

The Creative Codex

Object-oriented
Little narrative
Little media used beyond objects

Story-oriented
Strong narrative
Media from outside the collection

Stories of Freedom Summer
TECHNICAL ELEMENTS

- Parallax effect
- Fading imagery
- Progress bar
- Image lightbox
- Sliding transparent overlays
The Cradle of Coaches

A Legacy of Excellence

Miami University has a long and proud tradition of producing exceptional coaches. In 1959, Bob Kurz (Class of 1958) coined the term the ‘Cradle of Coaches’ in reference to the many star football coaches to have...
PARALLAX EFFECT

jQuery

```javascript
$('section[data-type="background"]').each(function()
    var $bgobj = $(this); // assigning the object
    $(window).scroll(function()
        var yPos = -($(window).scrollTop() / $bgobj.data('speed'));
        // Put together our final background position
        var coords = '50%'+ yPos + 'px';
        // Move the background
        $bgobj.css({backgroundPosition: coords });
    });
});
```

HTML/CSS

```html
#div{
    background: url(../files/img/paul-brown-banner.jpg) 50% 0 repeat fixed;
}

<section id="div" class="banner_background" data-type="background" data-speed="10">
</section>
```
In the fall of 1926, after graduating high school, Paul Brown enrolled at Ohio State University with the dream of suiting up for the Buckeyes football team. However, this dream came to an abrupt end when an assistant coach told him he was too small and was not even allowed to try out for the team. His time in Columbus only lasted one year and he transferred to Miami University that next fall.

Fortunately for Brown, Chester Pittser and the Miami coaching staff did not find him to be too small, and allowed him onto the team. Due to injuries, Brown was named the starting quarterback his junior year and never let go of it. He guided the Redskins to records of 6-2 as a junior, and 7-2 as a senior.

In 1930, after graduating from Miami, Brown moved from Oxford to Maryland to teach/coach at Severn Prep High School. Brown was only at Severn for two seasons, 1930 and 1931. They went 12-2-1 in his two seasons and won the state championship in 1930.

After the 1931 season the head coaching job in Massillon, Brown's alma mater, became available. Brown was named their next head coach. So in 1932 he returned to his hometown and would stay there for the next nine years. Along with coaching football, he also taught History and English.

When Brown got to Massillon the team was coming off a 2-10 season, and he knew the team had a long way to go. While they improved to 5-4-1 in his first year, it was still well below his standards. In 1933 they improved to 8-2, and again to 9-1 in 1934. In 1934 Brown was named athletic director in addition to his coaching duties. From 1935 to 1940 Brown's Tigers won 58 games, including 35 straight wins, 6 state championships and 4 national championships. He was also named Director of Recreation for the city of Massillon. His final record at Washington High School was 80-8-2. Due to the success of the team, in 1937 they were able to afford to build a new stadium. This was later renamed to Paul Brown Tiger Stadium.
IMAGE FADING EFFECT

jQuery plugin $().fade_on_scroll();

//foreach element, do the following
$(self).each(function(index){
  var elem = $(this);
  var elem_offset = elem.offset();
  var elem_height = elem.height();
  var elem_height_half = (elem_height/2);
  // if location is greater than the top of the elem offset it means
  // the elem is in the viewport and we can thus fade it in by
  incrementally adding to its css opacity

  if (location >= elem_offset.top && location < (elem_offset.top + elem_height + window_height)) {
    //begin code to fade in element. scroll speed is detected and rate at which element
    //fares in changes based upon that decision
    if ((scrolltop - posWas) > 15) {
      var incremeneter = 0.2;
    } else {
      var incremeneter = 0.01;
    }
    var get_opacity = (elem.css("opacity") * 1);
    var set_opacity = get_opacity + incremeneter;
    elem.css("opacity",set_opacity);
  }
})
IMAGE FADING EFFECT

jQuery plugin $.fade_on_scroll() Usage

$(‘img’).fade_on_scroll();
PARALLAX EFFECT

Skrollr.js (jQuery Library)

Bootstrap helper classes

```html
<div class="progress progress-danger progress-striped">
  <div id="progress" class="bar" data-0="width:0%;" data-end="width 100%;"></div>
</div>
```
The Cradle of Coaches
A Legacy of Excellence

Miami University has a long and proud tradition of producing exceptional coaches. In 1959, Bob Kurz (Class of 1958) coined the term the 'Cradle of Coaches' in reference to the many star football coaches to have passed through Miami University.
IMAGE LIGHTBOX

Lightbox.js (jQuery Library)

```html
<a href="files/img/paul-brown-playbook.jpg" data-lightbox="paul-brown-playbook" title="Paul Brown Playbook">
<img src="files/img/paul-brown-playbook-detail.jpg" class="img-polaroid pull-left on_page" />
</a>
```

Bootstrap helper classes
of success would he have had? This case is to honor these coaches who left us before their real greatness could be realized.

Dave McClain
Dave McClain, a graduate of Bowling Green State University, was an assistant coach at Miami from 1963-1966, under the legendary Bo Schembechler. He would later become head coach at Ball State University in 1971. At Ball State, McClain accumulated a record of 46-26-3 (84.2%) including a MAC Championship (1976) and a MAC Coach of the Year Award (1976). His success led to his hire at the University of Wisconsin. After eight seasons at Wisconsin, McClain died on April 28, 1988. His career record was 92-67-6 (57.6%).
PARALLAX EFFECT

HTML/CSS

```html
.img_overlay{
  display: none;
  position: relative;
  border-top: 1px solid #000;
  border-right: 2px solid #000;
  border-left: 2px solid #000;
  left: 0;
  background:rgba(195,48,48,0.90);
}

<div class="overlay">
  <img class="image_overlay" src="files/img/narduzzi.jpg" />
  <div class="img_overlay">
    <h4>Bill Narduzzi</h4>
    <p>Biographical text goes here.</p>
  </div>
</div>
```
PARALLAX EFFECT

jQuery

```javascript
$('img.image_overlay').load(function() {
    var div_width = $('img.image_overlay').width();
    var div_height = $('img.image_overlay').height();
    $('div.overlay').width(div_width);
    $('div.overlay').height(div_height);
    $('.img_overlay').height(div_height);
    $('.img_overlay').css("bottom",div_height);
    $('div.overlay').mouseenter(function() {
        $('.img_overlay').show("slide",{direction:"down"},150);
    });
    $('div.overlay').mouseleave(function() {
        $('.img_overlay').hide("slide",{direction:"down"},150);
    });
});
```
FUTURE ENHANCEMENTS

• More Responsive

• More CSS helper classes (e.g. pull-quotes)

• Administrative interface allowing developers ability to add/edit content without touching code.
CONCLUSION

By developing a platform that *presents a story* in a similar way to websites such as the Atlantic, Mashable, and the New York Times', we are seeking to...

As libraries continue to look for new and innovative ways to connect...
• https://github.com/micheljp/snow-fall-special-collections

Jason Michel
micheljp@miamioh.edu

Marcus Ladd
laddmm@miamioh.edu