INTRODUCTION
TO WEBSITE ACCESSIBILITY

An Infopeople Webinar
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THERE IS SO MUCH MORE!

IANAL

Agenda

FOUNDATIONS
Accessibility matters. Here's what it is and why.

STANDARDS & VALIDATORS
What are the rules, and how can you know if you've met them?

CODE EXAMPLES
That basic HTML course you had probably didn't cover this stuff, but should have

FOUNDATIONS

The useful & the scary

What is web accessibility?
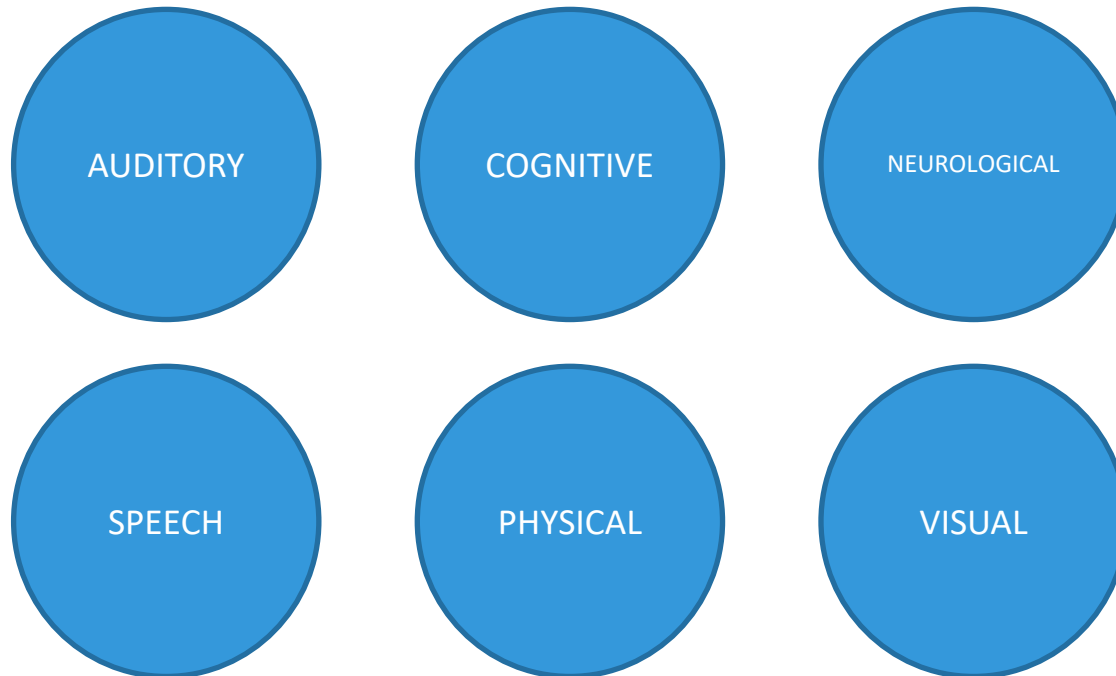

WC3
Web Accessibility
Initiative (WAI)

"Web accessibility means that websites, tools, and technologies are designed and developed so that people with disabilities can use them. "

NOT JUST BLIND/VISUALLY IMPAIRED

Web accessibility encompasses all disabilities that affect access

AUDITORY

COGNITIVE

NEUROLOGICAL

SPEECH

PHYSICAL

VISUAL

https://www.w3.org/WAI/fundamentals/accessibility-intro/

Accessibility vs. usability

Not the same, but they can overlap.

A site can be one and not the other

Legal issues

ADA Lawsuits for websites on the rise

Lots of lawsuits

And this is just a sampling

What about libraries?

Payan
vs.
Los Angeles Community College District (July 2019),

Statement from the Department of Justice

"The Department first articulated its interpretation that the ADA applies to public accommodations' websites over 20 years ago. This interpretation is consistent with the ADA's title III requirement that the goods, services, privileges, or activities provided by places of public accommodation be equally accessible to people with disabilities."

Any sufficiently advanced neglect is indistinguishable from malice.

Deb Chachra,
reappropriating Clarke's third law

Standards & validators

What are the rules, and how can you know if you've met them?

1 Section 508

U.S. only. The bare minimum.

2 World Content Accessibility Guidelines (WCAG)

International standard. Significantly more comprehensive than Section 508.

Section 508

Rehabilitation Act of 1973

U.S. only

Not a stringent standard

W3C®

WCAG 2.0

These matter

https://alair.ala.org/handle/11213/1061

ALAIR American Library Association
Institutional Repository

ALAIR Home → Committees → Committees of Council → Committee on Legislation → Resolutions → View Item

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Purchasing of Accessible Electronic Resources Resolution

URI: http://hdl.handle.net/11213/1061
Date: 2009-07-15

Abstract:

Resolution adopted by ALA Council on July 15, 2009, in Chicago, Illinois. Council Document 52 Revised (CD#52).

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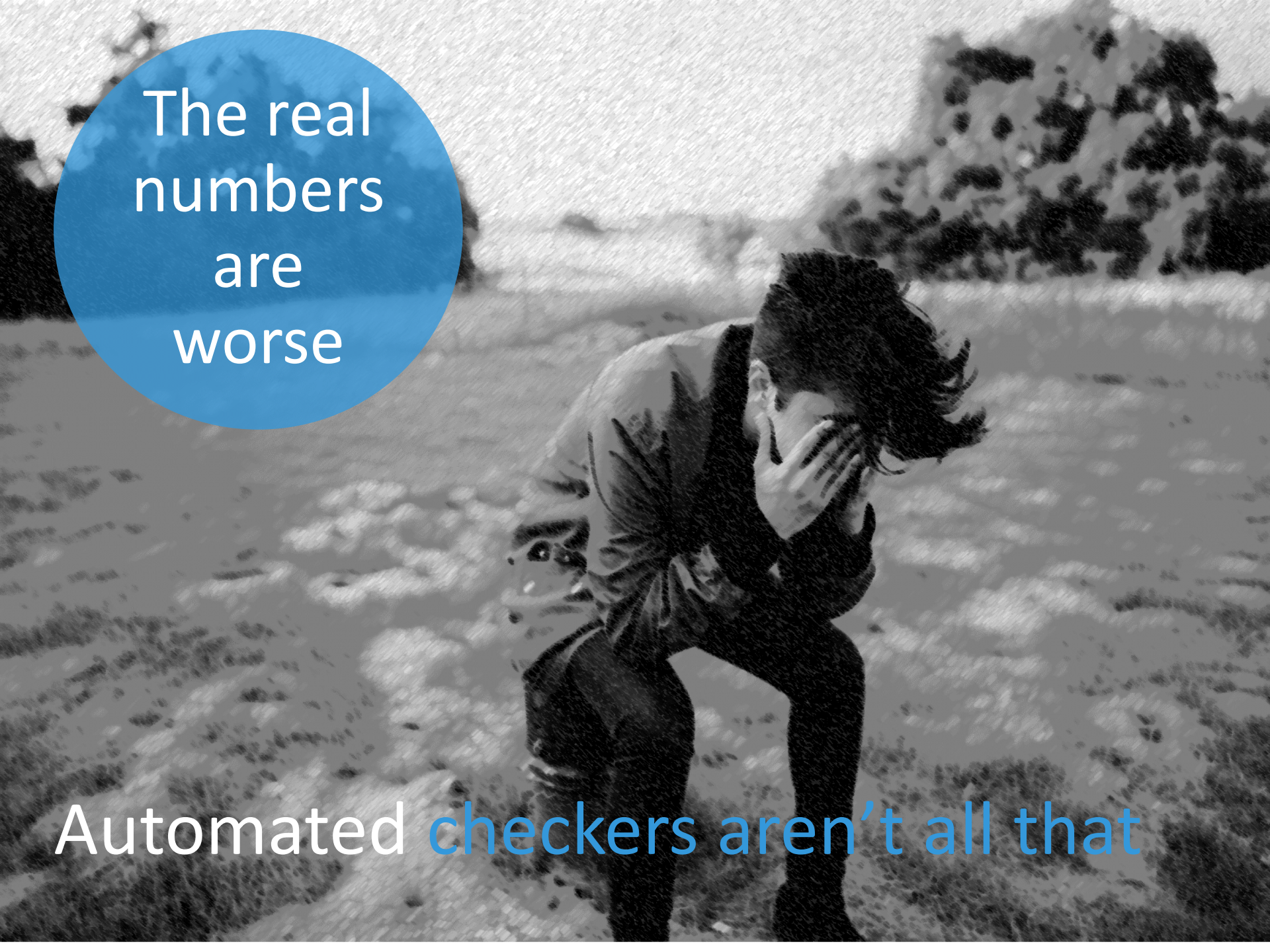
Automated checkers

The beginning, not the end

ACHECKER
https://achecker.ca.

https://webaim.org/
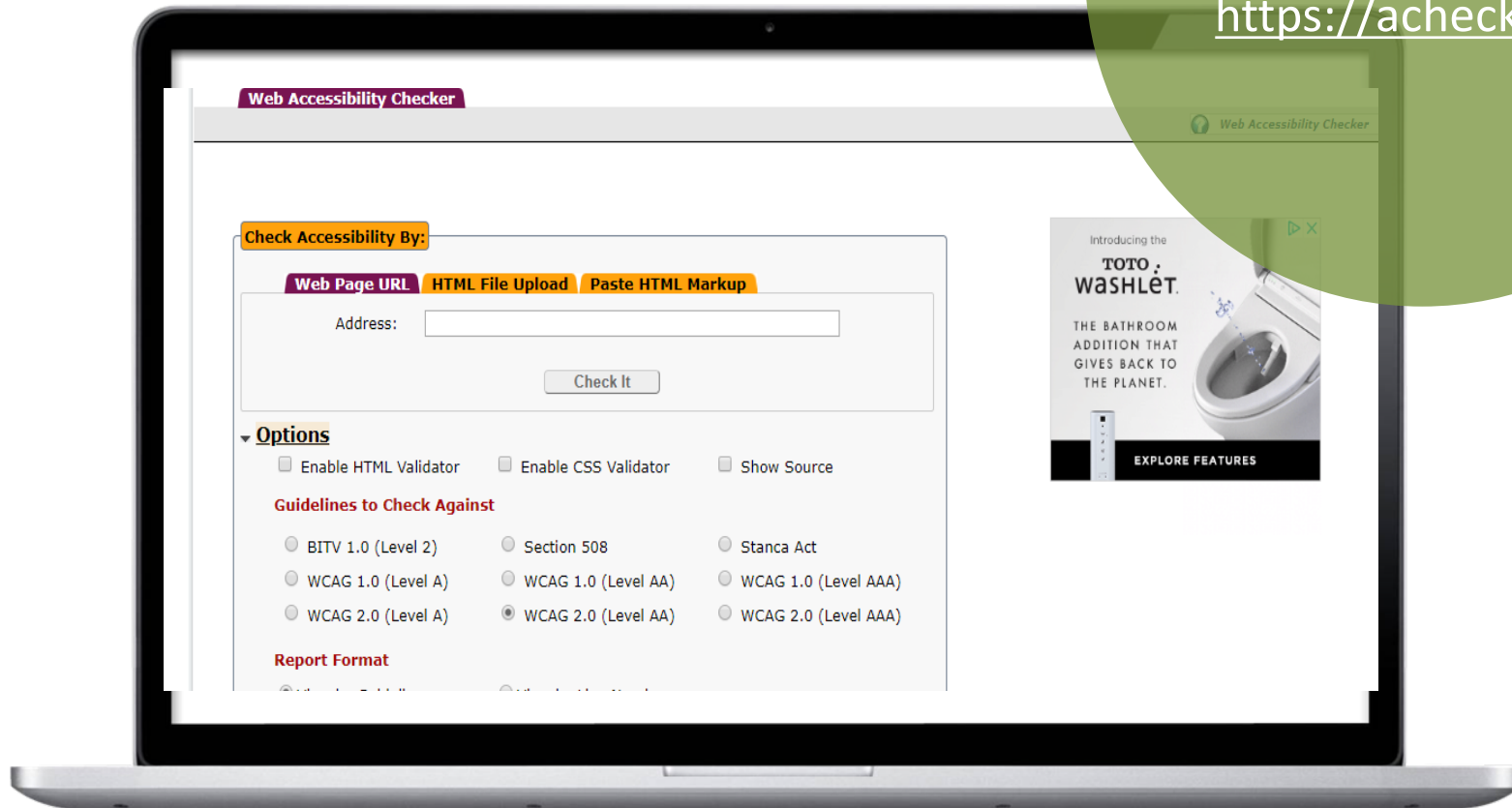
The real numbers are worse

Automated checkers aren't all that

CODE EXAMPLES

That basic HTML course you had probably didn't cover this stuff, but should have

The alt attribute

https://www.youtube.com/watch?v=NvqasTVoW98&list=WL&index=65&t=0s

HOW?

<img
scr="http://www.oplin.org/panda.jpg"
alt="Panda bear relaxing on a large
rock" />

<img
scr="http://www.oplin.org/panda.jpg"
alt="Panda" />

Don't confuse **alt** and **title** attributes

Events

Image from https://www.rankwatch.com/learning/content/215-is-title-attribute-really-important

longdesc

```html
<img src="graph.gif"
longdesc="graph.html"
alt="3D pie chart of
funding statistics" />
```
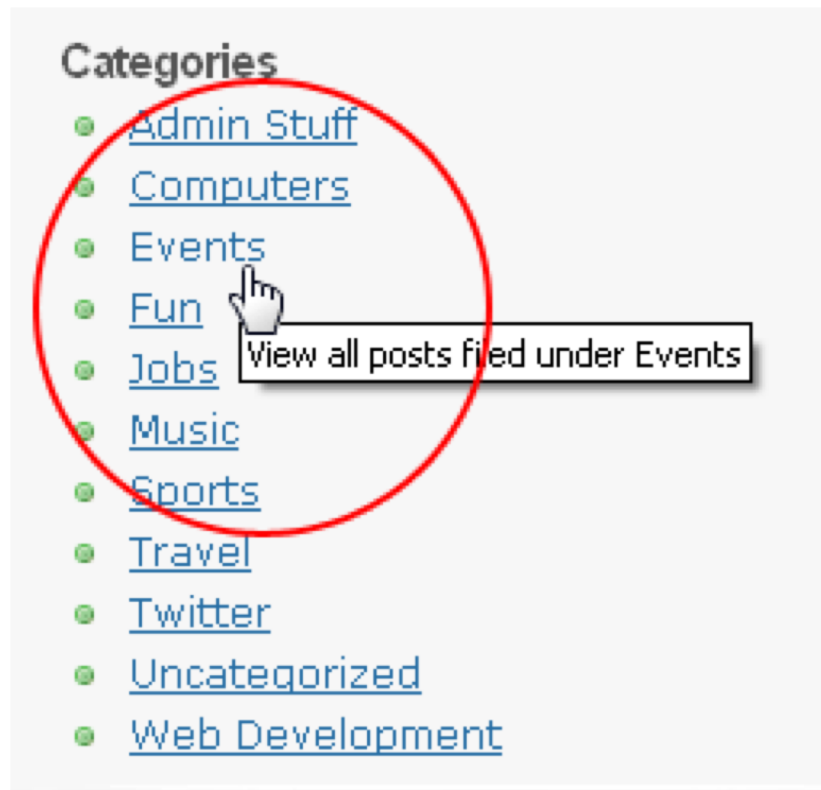
Use meaningful images

Get rid of the cutsey clipart stuff already.

How you size your fonts matters

BAD:

Font-size: 12px;

Font-size: 12pt;

GOOD:

Font-size: 1.3em;

Font-size: .78em;

Meaningful link text
This helps everyone

"Click here"

versus

"More bestsellers"

Duplicate link text

Tables are not for layout

FRUIT	VEGETABLES
Bananas	Celery
Apples	Lettuce

Table markup is also important

Fruit	Vegetables
Bananas	Celery
Apples	Lettuce

BAD table markup:
```
<table>
  <tr>
     <td><strong>Fruit</strong></td>

     <td><strong>Vegetables</strong><
     /td>
<tr>
     <td>Bananas</td>
     <td>Celery</td>
</tr>
<tr>
     <td>Apples</td>
     <td>Lettuce</td>
</tr>
</table>
```

GOOD table markup:[
```
<table summary="Fruits & vegetables table">
   <tbody>
     <tr>
        <th>Fruit</th>
        <th><Vegetables</th>
     <tr>
        <td>Bananas</td>
        <td>Celery</td>
     </tr>
      <tr>
        <td>Apples</td>
        <td>Lettuce</td>
     </tr>
   </tbody>
</table>
```

How you use color is essential

Learn to check contrast

https://webaim.org/resources/contrastchecker/
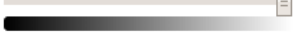
One last thing...

You can use a screen reader, too!

NVDA

- Download: http://www.nvda-project.org/

- Windows only

- It takes a lot of time to get familiar with it!

- The page may not scroll while the reader is reading

- Getting started guide: http://webaim.org/articles/nvda/

QUESTiONS?

http://designforthelittleguy.com/accessibility_
resources.pdf

*Thank
you!*

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