

## Trouble-Free Conversion with WebWorks Publisher



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## Agenda

- About the presenter
- Subduing your graphics
- Processing special characters
- Handling reference-page graphics
- Cleaning up your table of contents entries
- Processing tabbed text

*About the presenter*

## Sarah O'Keefe

- Founder of Scriptorium Publishing Services, Inc. ([www.scriptorium.com](http://www.scriptorium.com))
- FrameMaker ACE & certified WebWorks Publisher trainer
- Author of *FrameMaker for Dummies*, *Technical Writing 101*, and *The WebWorks Publisher Cookbook*

## Subduing your graphics

- What's converted?
- What's not converted?
- Understanding the graphic conversion process

*Subduing your graphics*

## What's converted

- Graphics in anchored frames

*Subduing your graphics*

## What's not converted

- Graphics in unanchored frames
- Graphics that are not in frames
- Graphics on reference pages called by a paragraph tag
- Graphics on master pages

Subduing your graphics

## Conversion options

- Copying the original graphic file
- Printing anchored frame to PostScript, then converting PostScript to output format

Subduing your graphics

## Printing to PostScript

- Install AdobePS driver
- Use WebWorks Rasterizer PPD (PostScript printer definition)
- Must be default printer

Subduing your graphics

## How are graphics converted?

- How many objects are in the anchored frame?
- If there is only one object, and that object is an imported graphic, was the graphic imported by reference?
- If the graphic is imported by reference, what is the format of the source graphic?

Subduing your graphics

## Graphic conversion process



Subduing your graphics

## Graphic cleanup techniques

- Modify graphic style
- Modify BZImageGenerate
- Modify BZImageImport
- Create custom macro

## Processing special characters

- When characters go bad
- Fixing the problem

Processing special characters

## When characters go bad

- **The character is missing in the output.**
- **Additional text that follows the character is missing. WWP sometimes “drops” the text following the unmapped character to the end of the line (corrected in v6.0.7)**

Processing special characters

## It's in the FrameMaker file...but disappears in HTML

- **In FrameMaker:** This is a trademark™ sym
- **In HTML:** This is a trademark symbol.

Processing special characters

## Fixing character-mapping problems

- **Look up Unicode entity**
- **Add definition to character mapping list in Style Designer**

Processing special characters

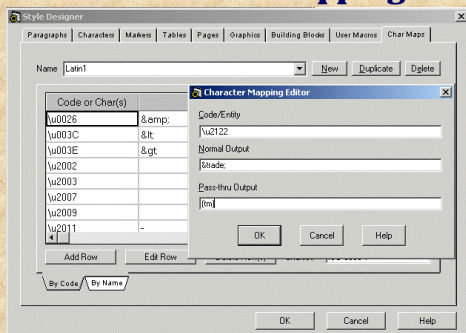
## Look up Unicode entity

- **[www.unicode.org/charts/](http://www.unicode.org/charts/)**

	210	211	212	213	214
0	¼	⅓	SM	ℰ	
1	⅜	⅝	TEL	ℱ	
2	℄	ℒ	TM	℥	

Processing special characters

## Add to character mapping



Processing special characters

## Regenerate

This is a trademark™ symbol.

Processing special characters

## Problems with graphical fonts

- **Wingdings, Zapf Dingbats don't work in HTML**

Processing special characters

## Two solutions

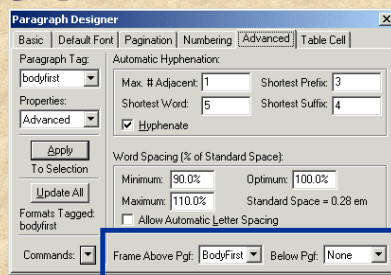
- **Substitute for the checkmark**
  - **Text:**  
`<p>x</p>`
  - **Graphics**  
`<p></p>`
  - **Remember to add the graphic to your support files so that it's available in every project.**

Processing special characters

## A really bad solution

- **Referencing the font in the output**
- **Default solution**

## Handling reference-page graphics



**Ignored!**

## Working around reference-page graphics

- **Create a GIF file that contains the graphic from the reference page**
- **Add the graphic file to your project as a support file**
- **Set up a paragraph style in WWP that calls this graphic. For instance:**  

```
<br>  
<p>$DATA;</p>
```
- **Map the relevant paragraph tag to use this style**

## Cleaning up your table of contents entries

- **Page numbers need to be stripped**
- **Chapter numbers need to be removed**
- **UMTOCFilter tries valiantly, but doesn't always work out of the box**

*Cleaning up your TOC*

## What UMTOCFilter will do

- **Portable HTML definition (others are similar):**

```
$GET_GLOBAL(tocpara)[ "[ ] [0-9xviXVI]+$", "" ];
```

- **tocpara contains text of TOC paragraph**
- **The code in brackets is a regular expression; it's looking for a particular pattern of text and deleting it.**

*Cleaning up your TOC*

## UMTOCFilter works for simple TOC definitions

- **< \$paratext> [tab]< \$pagenum>**
- **< \$paratext> [space]< \$pagenum>**

*Cleaning up your TOC*

## UMTOCFilter won't work for

- **< \$paratext> [tab]< \$chapnum> - < \$pagenum>**
- **Chapter < \$paranum> : < \$paratext> [tab]< \$pagenum>**

*Cleaning up your TOC*

## Modifying UMTOCFilter

- **To strip chapter references:**

```
$GET_GLOBAL(tocpara)  
["Chapter [0-9]+: ", ""]  
["[ ] [0-9xviXVI]+$", "" ];
```

- **To handle multipart page numbers:**

```
$GET_GLOBAL(tocpara)  
["[ ] [0-9\ -]+$", "" ];
```

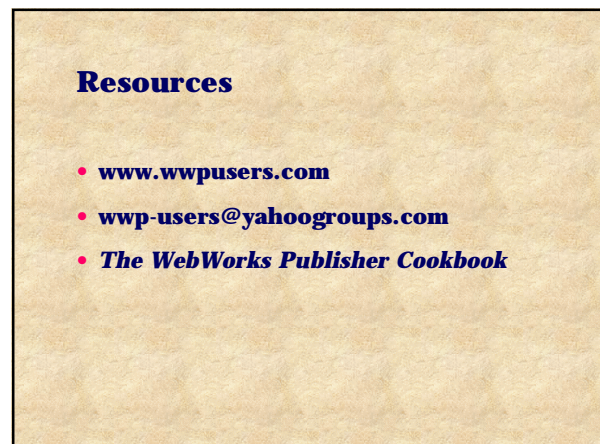
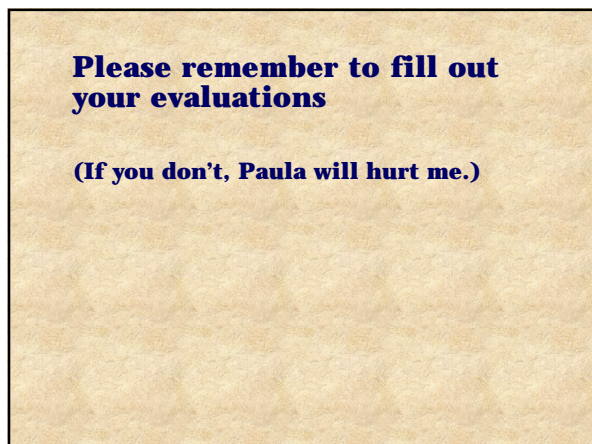
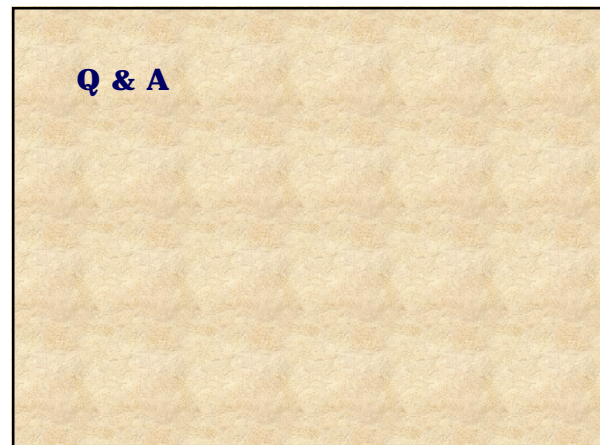
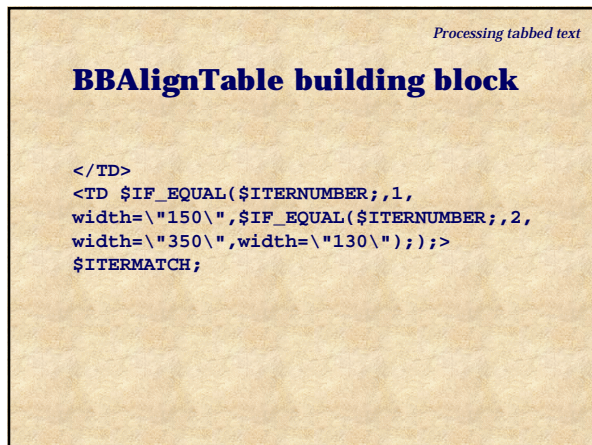
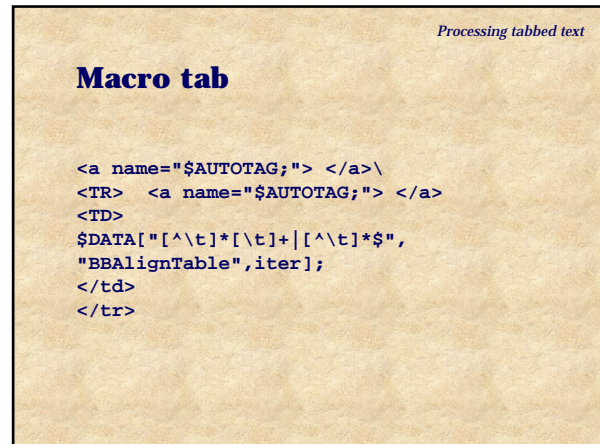
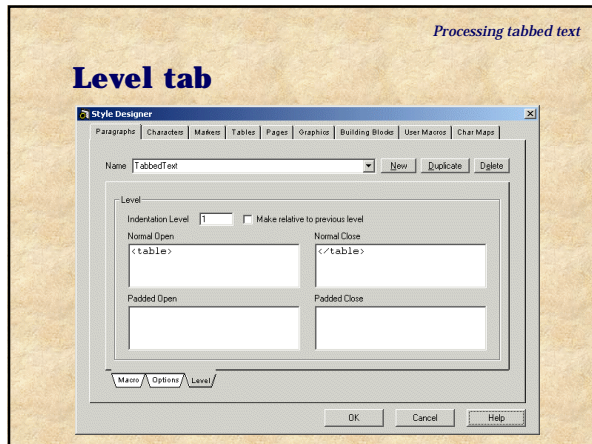
## Processing tabbed text

- **The problem: tabs in HTML are ignored**
- **< pre> tags offer one solution**
- **Converting tabbed text to tables is more difficult, but more robust**

*Processing tabbed text*

## Converting tab-delimited text to tables

- **In FrameMaker**
  - Create unique style for tabbed text
- **In WebWorks Publisher**
  - Use Level tab to open and close < table> tags
  - Use Macro tab to write in code



### **Contact information**

- **Sarah: [okeefe@scriptorium.com](mailto:okeefe@scriptorium.com)**
- **This presentation:  
[www.scriptorium.com/tc2001.pdf](http://www.scriptorium.com/tc2001.pdf)**
- **Other white papers and resources:  
[www.scriptorium.com/resources.html](http://www.scriptorium.com/resources.html)**