Disability, accessibility, personalisation, inclusion and design

BCS place and date
Introduction

I am Peter Abrahams

• Secretary of the Digital Accessibility Specialist Group
• Member of the Best Practice Committee
• 50 Years in IT
• Last 10 in Accessibility

My aim today

• Introduce digital accessibility
• Encourage you to promote it
The BCS Strategy

“Making IT good for society”
Society

- Society must mean all of Society
- BCS must include everyone
- In particular we must include people with disabilities
Digital Inclusion

Social Inclusion
- Race
- Religion
- Gender
- Orientation
- Age

Technical Inclusion
- Access to HW
- Fast broadband
- Training

Disability Inclusion
- Movement
- Vision
- Hearing
- Cognition

Inclusive Society
Inclusive Profession
Inclusive Group
Inclusive BCS

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Disability

Am I disabled?
Colour Blind
Colour Blind 3?
Ability Spectrum

Dis-  Less-  Ave-  Super-
Non-  Permanent  Situational  Temporary
Why?

- Moral – the right thing to do
- Financial – reaches everyone
- Legal – potential for court case
- Inclusive – better for everyone
Accessibility

Computing for people with disabilities
Accessibility

Computing for people with disabilities

Assistive Technology

Inclusive Design
Updates Installed in the Last 30 Days

**iTunes**  
Version 12.5.3  
Installed Nov 4, 2016  
This update includes stability and performance improvements. It also:
- Fixes an issue where albums may play in an unexpected order  
- Resolves a problem that prevented lyrics from appearing while listening to Beats 1

**Keynote**  
Apple  
Version 10.5.6  
Installed Oct 28, 2016  
- Support for Touch Bar on the new MacBook Pro lets you easily edit text, shapes, tables and charts  
- Control video playback using Touch Bar on the new MacBook Pro  
- Stability and performance improvements

**iMovie**  
Apple  
Version 10.1.2  
Installed Oct 28, 2016  
- Support for Touch Bar on MacBook Pro lets you quickly add video clips to your movie, or use them to create picture in picture, green screen, and split screen effects  
- Tap the Touch Bar to play your movie, split a clip, or easily adjust the volume of any clip  
- Ability to delete render files to recover drive space

**Numbers**  
Apple  
Version 4.6.5  
Installed Oct 28, 2016  
- Support for Touch Bar on the new MacBook Pro lets you easily edit text, shapes, tables and charts  
- Stability and performance improvements

**Pages**  
Apple  
Version 9.6.5  
Installed Oct 28, 2016  
- Support for Touch Bar on the new MacBook Pro lets you easily edit text, shapes, tables and charts  
- Stability and performance improvements

**iTunes**  
Version 12.5.3  
Installed Oct 28, 2016  
This update includes stability and performance improvements. It also:
- Fixes an issue where albums may play in an unexpected order  
- Resolves a problem that prevented lyrics from appearing while listening to Beats 1

**macOS Sierra Update**  
Version 10.12.1  
Installed Oct 28, 2016  
The macOS Sierra 10.12.1 update improves the stability, compatibility, and security of your Mac, and is recommended for all users.

**Color Picker**  
Patrick Tomas Chamelo  
Version 1.4.5  
Installed Oct 31, 2016  
- Fixed a crash in Sierra (Thank you Stefan)

**Color Picker**  
Patrick Tomas Chamelo  
Version 1.4.4  
Installed Oct 31, 2016  
- Fixed an issue when removing a swatch  
- Fixed an issue where the window will not appear because of an internal error (Thanks Matthew)

**Color Picker**  
Patrick Tomas Chamelo  
Version 1.4.3  
Installed Oct 31, 2016  
- Fixed an issue when removing a swatch  
- Fixed an issue where the window will not appear because of an internal error (Thanks Matthew)
A reminder that Hampstead Chamber Choir's concert is this Saturday, November 5th, at 7:30 in St. Peter's Balaze.

Three of our singers will be performing lieder by Schubert, Schumann and Strauss; Lydia Melleck, our accompanist will play music by Grieg and Bargioni; and the choir will sing some of Brahms' most beautiful pieces including Four Quartets, and Song of Destiny.

We are looking forward to the evening and hope you can share it with us!

Best wishes,

Anna

www.hampsteadchamberchoir.org

Action Suzette Keith David Rippon: Make changes to announcement by 20 Jan finalised version to be distributed by 25 January.

Action David Rippon: to contact BCS press office about conference.

Action Jeff Hughes: Organise recording of conference and editing.

4. Best Practice Committee Feedback – P. Abrahams

PA has attended several committee meetings.

He will be leading a stream at the Roles Convention, 28 January, looking at the Disability Support and Community Officer role. Howard Leicester, Jeff Hughes, Cornelia Boldreff and Margaret Ross will be presenting on the stream.

5. DASG Strategy Survey

Jean Irvine and David Rippon have produced a set of question for the survey looking at what DASG should be concentrating on for the next two years. Questions based on the BCS five pillars. Committee happy with questions, DR will send out test version of survey and then get it distributed to full membership.

Action David Rippon: create survey and distribute.

6. BCS Academy – G. McMullen

Carried forward

7. Turing Lecture – G. McMullen

Carried forward

8. Alliance for Digital Accessibility – P. Abrahams

The Alliance for Digital Accessibility is chaired by Kevin Carey and sponsored by BiS. It is waiting a budget and is presently dormant.

Further info requested that the DASG send a letter to Kevin expressing correspondence.
Drop kerb a11y
UK Stats

- 7 million working age are registered disabled
- Of those only 45% in work (cf 80% of overall population)
- 11 million below digital skills threshold
Accessible to Whom

- Customers
- Clients
- Students
- Employees
- Developers
- Designers
- Elders
Simple A11y Checks

- Correct tab sequence
- Zoom text
- Captions on videos
- Alternate text for pictures
- Accessible PDFs
- Fast Flashing
- Check Contrast
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Correct Tabbing
Education

- Digital Accessibility MOOC
- BCS Digital Accessibility - Web Essentials
- First Seven Steps to accessible websites
- First Seven Steps to accessible mobile apps
Useful Organisations

- BCS Digital Accessibility SG
- Business Disability Forum
- AbilityNet
- Open Inclusion
- AXSChat
Useful Links

- Cambridge University Inclusive Design Toolkit
- Colour blindness Test
- Understanding WCAG 2
- Webaim WAVE
- BS 8878: 2010 - Web accessibility code of practice
Inclusive

- Thinking about accessibility
- Creates accessible systems
- Creates more usable systems
- Essential for some
- Better for all
Questions

- Thank you
- Questions