XUG
eXtyles User Group Meeting

What's New... and What's Next

Elizabeth Blake

Director of Business Development

INERA
An Atypon Company

Inera Development Priorities

- Improving software behavior and performance
- Delivering custom work
  - ~300 new items in our master eXtyles release notes since XUG 2018 (roughly the same number as the previous year)
  - ~40% of those were general improvements to eXtyles
  - ~60% were customer-specific improvements
  - 37 items were bug fixes
- Staying ahead of updates from technology partners (Microsoft, Crossref, MathType, etc.)
- Developing new features and solutions

Developing New Features and Solutions, Part 1

New Solution

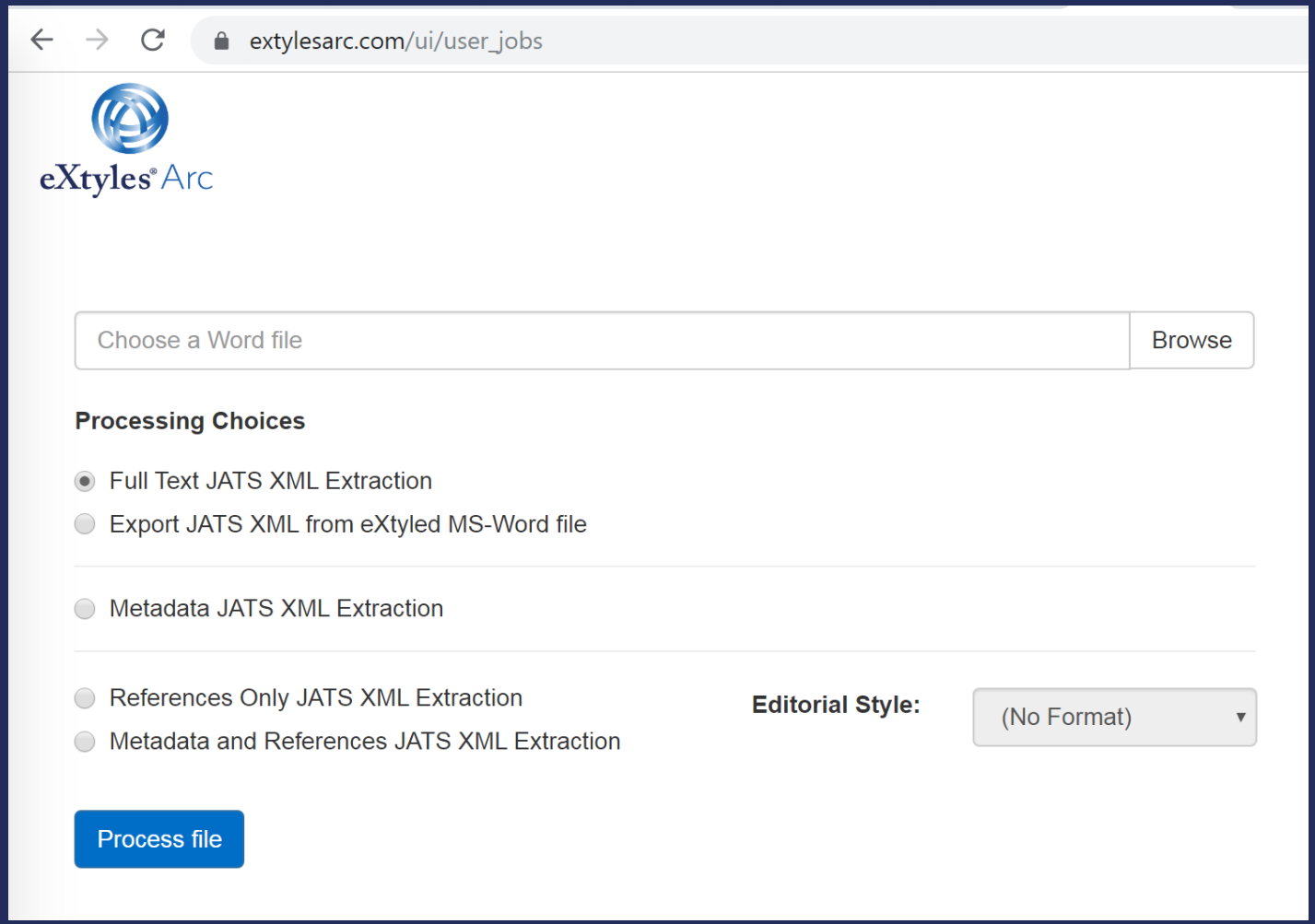
eXtyles® Arc

- Announced to customers at XUG 2018
- Announced publicly in May 2019
- Fully automated eXtyles solution, including the automatic identification of document elements and application of paragraph styles to unstructured Word content

eXtyles Arc Development

- Arc remains a major development priority with various applications, including
  - At submission (e.g., Aries Editorial Manager Xtract)
  - Post acceptance
- Last year
  - We had a name! (no logo)
  - We had a pretty tech-y demo Bruce ran from his laptop
- This year: Arc in the cloud
  - For demos and testing
  - An easy-to-use prototype implementation with various document-processing options

eXtyles Arc in the Cloud (demo)



Current Status of eXtyles Arc

- Still primarily (but not exclusively) focused on journal articles/STM content elements
- Available now to current eXtyles customers
  - Requires an eXtyles SI (i.e., server) license
  - May require custom development
- The cloud prototype is not a commercial product, but if there is demand we will develop a pay-per-use cloud solution

Arc Improvements Are eXtyles Improvements

- The ongoing development of eXtyles Arc requires enhancements that regularly cascade to traditional eXtyles customers
- Processes that have always been automated in eXtyles (e.g., identification/paragraph styling of the reference list during Cleanup, Author Processing) now have to be even smarter

A Few eXtyles Improvements, Courtesy of Arc Development

Cleanup

	Build
➢ Improved the function that converts multiple spaces to a single space; this tool became much slower in Word 2016 and the fix restores the Word 2010 performance	4149
➢ Fixed a bug in the removal of character styles when "Normal" appears as a character style in a document	4216

Reference Auto-Styling (during Cleanup)

Now supports:

- Odd author styles such as a hyphen at the beginning of each reference 4330
- Reference heads with a multipart number ("1.6. References") 4334
- References starting with a lowercase author surname ("hooks," "cummings") 4335

Auto-Redact

Improved rules for configs that remove white space with Auto-Redact instead of Cleanup (Why? Because it's faster) 4186

Author Processing

Added support to match baseline numbers to affiliations (previously only superscript numbers were supported) 4216

Some Other Notable eXtyles Improvements

COM Architecture (Build 4143)

- A major overhaul of the eXtyles architecture
- Announced at XUG 2018; released in Q1 of 2019
- More robust for the future because it avoids Word macros
  - Mitigates security issues
  - Required by some organizations that do not allow macros
- An added bonus: Word loads faster

eXtyles Startup (Build 4248)

- Changed the eXtyles startup sequence to be more friendly to tighter security environments
- Resolved the problem of an "eXtyles license expired" error when opening a Word document that was an Outlook attachment

Paragraph Styling (Build 4154)

- Fixed a bug when applying paragraph styles to really, *really* long paragraphs (i.e., more than 7,000 words)
- May the wonders of authors never cease

Reference Processing: Access Dates

Now supports:

- Access dates like "cited 2019 Mar 18" and dates in brackets 4270
- Access dates in the form MM/DD/YYYY, including with a colon before the date as in "Last accessed: 12/13/2001" 4305

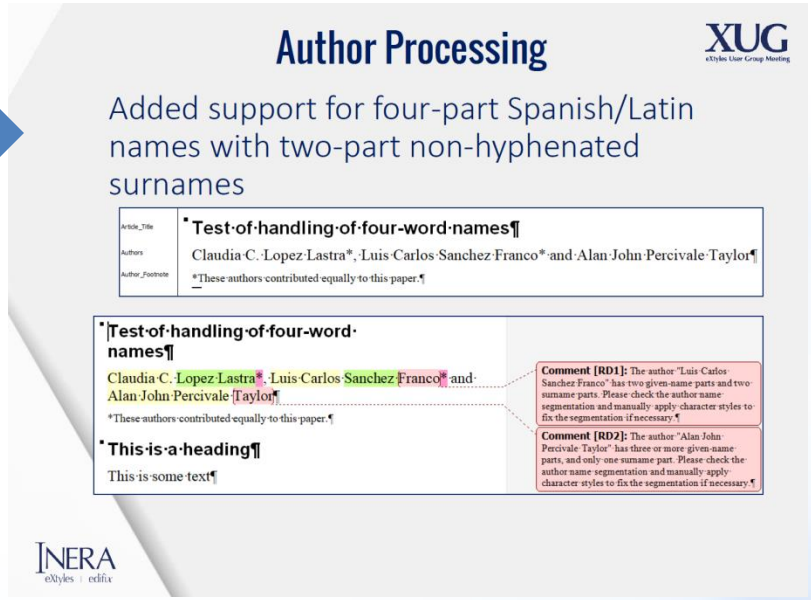
Reference Processing (Build 4384*)

- Made a major improvement to the processing of references with journal names that eXtyles does not recognize (i.e., that are not in our journal database)
- *Added this week

Author Processing

- Improved parsing of most complex author surnames prefixed with "de"
- Came out of discussion of this slide at XUG 2018
  - Last year's improvement did not address patterns found in Portuguese surnames
  - Thank you to Kathleen Sheedy of APA for raising this issue!

4140



What's Next?

Developing New Features and Solutions, Part 2

"Citation Pollution"

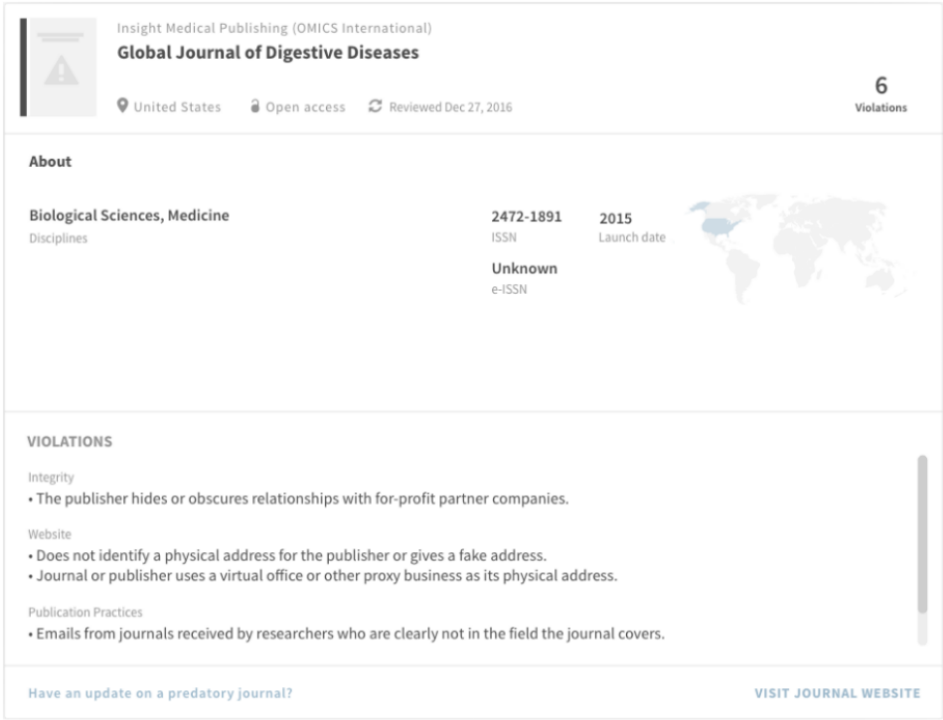
- "Fighting Citation Pollution — The Challenge of Detecting Fraudulent Journals in Works Cited," The Scholarly Kitchen, September 25, 2019
- See also:
  - "Citation Contamination: References to Predatory Journals in the Legitimate Scientific Literature" (SK 10/28/19)
  - "Turning a Critical Eye on Reference Lists" (SK 10/25/17)

Blacklists

- Beall's list was suspended in 2017
  - Free archived copies exist, but they're not current
  - It was a one-man band, and publisher/journal inclusions were often controversial
- Cabells has searchable databases of blacklisted and whitelisted journals
  - Transparent methodology
  - Detailed violation reports
  - Representatives from Cabells are here at XUG

The Journal Blacklist

Specialists analyze over 60 behavioral indicators to keep the community aware of the growing threats and to keep academia protected from exploitative operations.



- https://www2.cabells.com/about-predatory-journals
- Currently over 12,000 titles, with more under review

The Challenges

- Predatory publishers play a lot of games with names
  - Titles similar to those of reputable journals
  - Titles flat-out hijacked from reputable journals
- Abbreviated journal titles in references can make identification even more difficult (hence the call from some to stop using them, though full journal titles can present their own editorial challenges)

An eXtyles Solution?

- Even if they have access to a reliable list, reviewers and editors are unlikely to look up individual journal titles in references
- We've already got sophisticated data and processes for identifying journal titles
- Multiple people have reached out to us requesting tools to flag references to questionable publications

eXtyles Cabells Reference Checking (demo)

eXtyles Cabells Reference Checking (demo)

<jrn>17. Manning EP, Vattipallly V, Niazi M, Shah A. PhytobezoarInduced Small Bowel Obstruction in a Young Male with Virgin Abdomen. *J Gastrointest Dig Syst*. 2015;5(2):266.</jrn>¶

<jrn>18. Nathan RA, Sorkness CA, Kosinski M, et al. Development of the asthma control test: a survey for assessing asthma control. *J Allergy Clin Immunol*. 2004;113(1):59-65.</jrn>¶

<jrn>19. Revicki DA, Leidy NK, Brennan-Diemer F, Sorensen S, Togias A. Integrating patient preferences into health outcomes assessment: the multiattribute Asthma Symptom Utility Index. *Chest*. 1998;114(4):998-1007.</jrn>¶

<jrn>20. Deser SB, Demirag MK. Right ventricular free wall perforation without tamponade: A rare complication of permanent pacemaker lead placement. *J. Clin. Cardiol. Card. Ther.* 2016;1(1):22–6.</jrn>¶

<jrn>21. Liu AH, Zeiger R, Sorkness C, et al. Development and cross-sectional validation of the Childhood Asthma Control Test. *J Allergy Clin Immunol*. 2007;119(4):817-825.</jrn>¶

<jrn>22. Schatz M, Kosinski M, Yarlas AS, Hanlon J, Watson ME, Jhingran P. The minimally important difference of the Asthma Control Test. *J Allergy Clin Immunol*. 2009;124(4):719-723.</jrn>¶

<jrn>23. Juniper EF, Guyatt GH, Feeny DH, Ferrie PJ, Griffith LE, Townsend M. Measuring

Comment [EB5]: Journal title "J Gastrointest Dig Syst" is found in the Cabell's black list of predatory journals. Please check cabells.com to see the violation information. (Ref. 17 "Manning, Vattipallly, Niazi, Shah, 2015")¶

Comment [EB6]: eXtyles does not recognize the journal "J. Clin. Cardiol. Card. Ther". If this is a valid journal title, please send this reference to journals@inera.com for addition to our journal database. (Ref. 20 "Deser, Demirag, 2016")¶

Comment [EB7]: Journal title "J. Clin. Cardiol. Card. Ther" is found in the Cabell's black list of predatory journals. Please check cabells.com to see the violation information. (Ref. 20 "Deser, Demirag, 2016")¶

And Now, Some Questions for You

- Do you want this feature?
- At what point(s) in your workflow would you like to apply it?
- Do you have any immediate questions or concerns about it?

Thank You!

Questions?
Comments?
Speak now or send to lblake@inera.com