

Navigating Newspaper Preservation in the Digital Age

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Secretary of State
Kim Wyman



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Historic Oregon Newspapers

oregonnews.uoregon.edu

BROWSE AVAILABLE TITLES

SEARCH FOR KEYWORDS

EXPLORE OREGON'S HISTORY

DISCOVER THE PAST



Newspapers at WSL

- ✓ 2,000 newspaper titles preserved
- ✓ 148 current Washington newspaper subscriptions
- ✓ 50,000+ reels of newspapers on microfilm
- ✓ Over 400,000 pages of 70 titles online



Historic Oregon Newspapers

RESEARCH

Historic Oregon Newspapers Online includes newspapers that covered local, state, national, and international news – ideal for history-based research of any kind!

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Washington Digital Newspapers website

The screenshot shows the Washington Digital Newspapers website in a browser window. The page features a navigation menu with options like Home, Search, Titles, Counties, Dates, Subjects, Additional Resources, About, Help, and Donate. The main content area is divided into three columns: 'SEARCH THE COLLECTION' with a search bar and date filters; 'FEATURED IN THIS COLLECTION' displaying a newspaper page from 1899; and 'BROWSE THE COLLECTION' with a county map and a list of top text correctors.

SEARCH THE COLLECTION

For these words
Search the collection

Between dates
From [] To []

Titles
All titles

Search [] Clear search [] Search history []

FEATURED IN THIS COLLECTION

THE SEATTLE STAR
STARTING NEWS FROM LINDA
The Seattle Star 12 April 1899

BROWSE THE COLLECTION

Browse by title
Browse by date

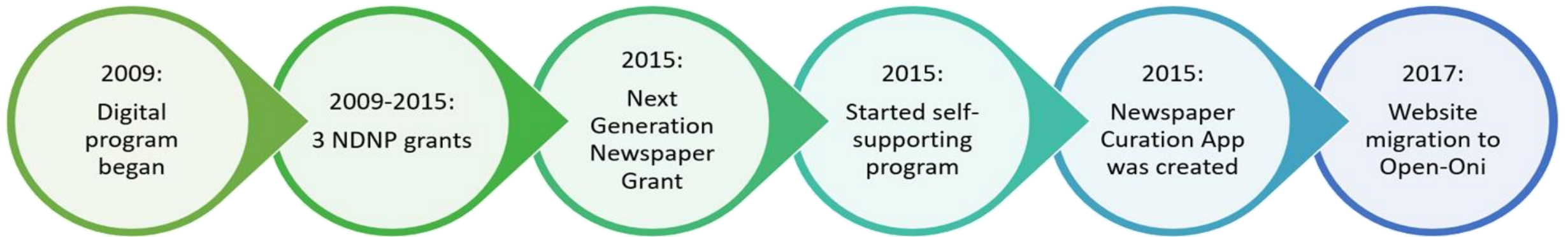
TOP TEXT CORRECTORS

1. D.A.Lordemann	17,034
2. HH	11,336
3. Elaine W	7,738
4. donm	7,591
5. juliahenri	6,108

More information...

- Developed and managed by Veridian
- Has full text search based on OCR
- Browse and narrow results using filters and facets
- Interact with newspaper pages – zoom, edit text, and clip articles
- Interactive map feature - select newspaper titles by county
- Uses METS-ALTO metadata generated during digitization process
- Text correction available to registered accounts

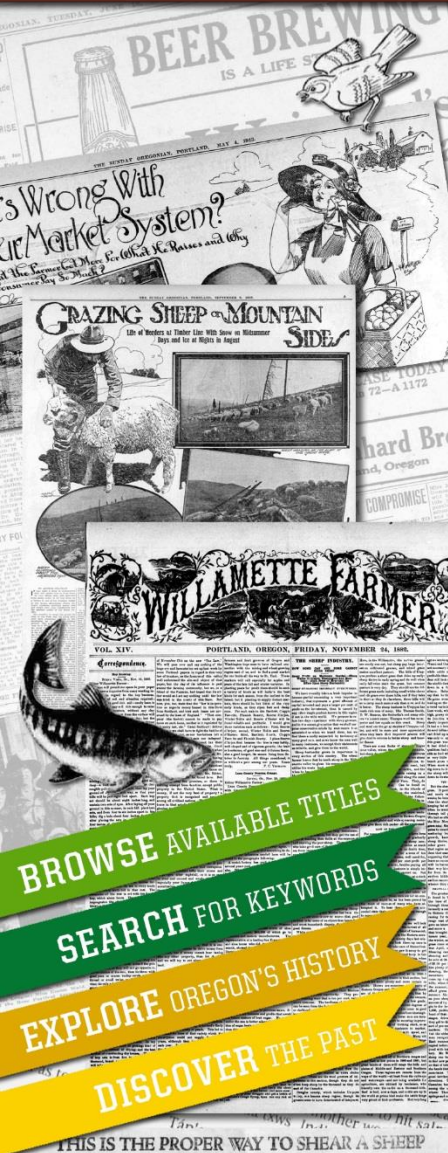
Timeline and page counts



- **Over 1,000,000 pages online**
- **Over 100,000 pages of born digital/current newspapers**

Timeline of Projects and Funding at WSL

- **2004-2016:** Washington Historic Newspapers project, over 50 volunteers manually indexed 25 newspaper titles
- **2008-2014:** National Digital Newspaper grant, digitized over 300,000 pages of 40 titles
- **2015-Present:** Washington Digital Newspaper project, LSTA funding
- **2018:** Fourth NDNP grant after four year hiatus
- **2019:** 100,000 new pages added, including Vietnamese, Danish, and Greek papers, and extending beyond 1923



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More information:

- Current number of born-digital participants: 23 (3 more titles to be added soon!)
- Number of active digitization projects: 12
- Website visitors (annual): 148,847
- New website visitors (annual): 94,893
- Average website session duration (annual): 8:58
- Recent newspaper additions: The Advocate (Portland), The Western American (Astoria), multiple titles from Forest Grove, Central Point/Ashland, Estacada, Hood River, and more!



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Questions?

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Washington Digital Newspapers

<https://washingtondigitalnewspapers.org/>

For questions please contact:

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NATIONAL ENDOWMENT FOR THE
Humanities

Navigating Newspaper Preservation in the Digital Age

Microfilm and Vendors

- Librarians charged with newspaper preservation have concerns regarding microfilming and vendors
 - Microfilming services are being shut down by vendors such as ProQuest and Newsbank, and libraries are receiving conflicting answers from these vendors regarding their services
- There are differences in ideology regarding whether or not digital files provide a viable preservation method or are for access only
 - University of Oregon uses digital images for access and preservation
 - Washington State Library uses microfilm for preservation and digital images for access

General Operations of Digitization and Processing

- University of Oregon digitizes and manages their website in-house, while the Washington State Library relies on a vendor-heavy workflow for digitizing and displaying newspapers
 - University of Oregon uses
 - Open ONI — an open source platform developed for Chronicling America by the Library of Congress, to display its papers online
 - Newspaper Curation App — which is maintained and supported by internal IT staff
 - Washington State Library uses
 - docWorks — software managed by Content Conversion Specialists (CCS), to manage in-house and overseas processing
 - Veridian — a digital newspaper website vendor, to display its papers online

Born Digital Items

- University of Oregon has been accepting born digital newspapers since January 2016, while the Washington State Library is still figuring out logistics of accepting born digital titles
 - University of Oregon accepts born digital newspaper titles directly from the publishers in PDF format, which requires legal agreements and embargo negotiations between both parties
 - The digitization process usually demands same amount of time it takes to exhaust the embargo
- What does the future of born digital preservation look like?
 - A general consensus seems to be emerging in the field that collecting and preserving PDFs is a sufficient preservation system—at least for now
 - Collecting born digital newspaper titles should not completely replace digitizing physical papers

Contact Information

Historic Oregon Newspapers: <https://oregonnews.uoregon.edu/>

Washington Digital Newspapers: <https://washingtondigitalnewspapers.org/>

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A close-up photograph of a metal plate with the STImaging logo and text. The logo consists of three interlocking circles above the word "STImaging". The plate is mounted on a larger piece of equipment, likely a film scanner.

STImaging

A close-up photograph of a scanner component with instructional text. The text reads "Load Film Under Guides and Raised Top Glass" and includes a small icon of a film strip.

Load Film Under Guides
and Raised Top Glass

A blue banner with white text. The text reads "VIEWSCAN 4". There are horizontal lines above and below the text.

VIEWSCAN 4

Text on a blue banner. The text reads "BRING YOUR FILM TO LIFE". There are horizontal lines above and below the text.

BRING YOUR FILM TO LIFE

VIEWSCAN 4 DELIVERS THE CLEAREST VIEW OF THE PAST

Prior to the digital age, microfilm was the standard for document preservation. Now, thanks to ST Imaging's ViewScan 4, historians, students, researchers and businesses can bring these documents to life as easily as making a copy.

Advances in computers and software allow this innovative microfilm scanner to instantly display high-resolution images, making browsing fast and easy. The ViewScan 4 can view all microforms, roll microfilm, microfiche, aperture cards, jackets, micro cards and even color slides. In addition, with its advanced hardware and all-new, user-friendly software, the ViewScan 4 becomes an invaluable asset to libraries, universities, government institutions or any company that needs to retrieve information from their archival documents in digital form.

EXCLUSIVE HARDWARE

To increase user familiarity, the ViewScan 4 has similar features to our previous digital scanners, including the film control keys on the carrier. Plus, its small footprint can be incorporated into any location, from a small office to a vast research room. Its technological updates make it our most efficient viewer to date.

Exclusive film motor controls on the scanner, nearly identical to old reader/printer carriers, make it familiar, easy to use and, most importantly, easy to learn



VirtualFilm Technology

The all-new PerfectView Software includes a stunning new capability for our desktop microfilm scanner: VirtualFilm Technology. This innovation turns all captured images into a virtual roll of film, which can optionally be saved and recalled. It takes our ground-breaking Image Bin feature and adds capabilities to re-load, re-size, retrieve and further edit, enhance and share previously scanned images.

Onboard PC Option

With the purchase of the optional Intel-based micro PC, your ViewScan 4 will arrive with all the software and hardware options you ordered, pre-assembled for minimal setup. In fact, it's basically ready to use as soon as you've unboxed it. Just plug your monitor, keyboard and mouse into the unit and begin exploring your microfilm archive. And because the ViewScan 4 supports a touch screen monitor, a mouse is actually optional.

Energy Saving Design

ST Imaging is committed to protecting our environment. The ViewScan 4 is designed to meet or exceed energy savings standards with product designs and materials not detrimental to the earth and features like automatic Sleep Mode and power down functions. Learn more about our energy saving features online at <http://www.stimaging.com/energystar-and-microfilm-scanners/>

CLARITY IN ST PERFECTFOCUS

ViewScan 4's ST PerfectFocus precision motors zoom and focus the lens simultaneously, ensuring a consistently clear view whether scrolling or zooming. From 35 mm roll film to the smallest images found on microfiche sheets, users can anticipate sharp and easy-to-read images which are properly oriented, focused and vibrant every time.

18-MEGAPIXEL COLOR CAMERA

At the heart of the ViewScan 4 is our custom-designed 18-megapixel camera that is optimized for all your microfilm records. Capturing images with our native 18-megapixel sensor eliminates the need for other technology to try and improve a low megapixel camera. The ST PerfectView software creates compact files with stunning quality, whether black and white, grayscale or color.

It is also available with a 9-megapixel black and white camera.



ST PERFECTVIEW SOFTWARE

Our powerful new ST PerfectView Software streamlines every aspect of the research process, allowing users to browse and capture images from 16 mm or 35 mm microfilm rolls, microfiche, aperture cards and more with astounding ease. In fact, combined with our familiar, user-friendly hardware, it takes almost no time to master the ViewScan 4.

COLOR CODED, USER-FRIENDLY SOFTWARE

ST Imaging is known for its easy-to-use software. Now after three years of research and development on user interface, we are again setting an unparalleled standard of simplicity for microfilm viewers. The ViewScan 4's new ST PerfectView software is vastly more user-friendly than ever before, while offering new capabilities as well. Our innovative color-coding of the three basic operations—**Browse**, **Edit** or **Share**—has further simplified the learning and ease-of-use for any level of user.



BROWSE YOUR MICROFILM WITH EASE

- *Scroll and Live-Stream images without refresh, distortions or flickering*
- *Capture the entire image or a portion of it with one click of a button*
- *Instantly print or save images with our one-click feature*
- *Dynamically resize the Image Ribbon to make it easy to see exactly what you captured*
- *Easy cropping with drag and drop anchor points*
- *AutoBrowse automatically advances rolls of film at a speed you choose*
- *Fully integrated OCR capability makes images word-searchable*
- *Automatic film rewind*



EDIT YOUR IMAGES TO INCLUDE ALL INFORMATION

- *Click on any captured image to review and edit further*
- *Re-size any cropped image without having to re-scan it*
- *Review and edit captured images before printing or sharing*
- *The optional Research Assistant tools let you further edit captured images*
 - *Add notes and highlight information*
 - *Redact information from the image*
 - *Combine, arrange and edit multiple images onto one page with ClipMerge with a simple drag and drop from the Image Ribbon*



SMARTSHARE YOUR FINDINGS WITH THE WORLD

- *Print any selected images or save to a USB drive*
- *Select any popular file formats (PDF, TIFF, etc.) at time of sharing*
- *Simple and consistent sharing options makes it easy to learn and save to Google Drive, Dropbox, FamilySearch, OCLC and integrated email*

VIEWSCAN 4

offers enhanced microfilm technology

- *ST PerfectView Software*
- *ST PerfectFocus*
- *VirtualFilm Technology*
- *SmartShare Capabilities*
- *Film Movement Buttons on the scanner*
- *Onboard PC option*



Product Specifications

Film Scanner Carrier Configurations

- Universal Carrier
- Motorized roll film, fiche and aperture cards
- Fiche or aperture card only
- 3M (M-type) cartridge film adapter on Universal Carrier
- ANSI film clip adapter on Universal Carrier

File Outputs

- PDF Multi-Page
- PDF Single Page
- PDF Searchable* Multi-Page
- PDF Searchable* Single Page
- Bitmap
- JPEG
- JPEG 2000
- PNG
- TIFF
- Multi-Page TIFF
- TIFF with Group 4 Compression
- Multi-Page 1-Bit Bitonal TIFF (300 DPI) with Group 4 Compression

* with optional OCR software

Scannable Media

Designed to scan all microforms created with 7x-105x reduction, including microfilm (35/16 mm), microfiche, aperture cards, jackets, slides and more.

Warranty

- Three year factory warranty
- Assembled in the USA

Get full product technical details online at <http://www.stimaging.com>



Contact your ST Imaging representative at [847.501.3344](tel:847.501.3344) today to learn more about this ground-breaking fourth-generation scanner in the ViewScan product line.

THE FUTURE OF MICROFILM SCANNING TECHNOLOGY HAS NEVER BEEN SO CLEAR



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