

UNB Libraries' Report to Senates, 2022

Dean's Message

Welcome to UNB Libraries' Report to Senate for 2022. Our focus this year is our role in helping to transform research at UNB. We highlight our successful efforts during this period of intense upheaval and change to advance the vision of the University. We are deeply committed to and engaged in the work required to realize our shared vision articulated in *UNB Toward 2030*.



The role of academic research libraries is to align with and support university strategies, leveraging our skills and partnerships for the benefit of our institutions, while being informed by the current and future needs of student and faculty researchers. More specifically, libraries across North America are aligning strategically with the research vision of their parent institution - while remaining essential to the teaching and learning mission of the university and to the student experience.

This is exactly what we are doing at UNB. Our report shows how we have evolved from former roles as stewards of acquired collections and passive supporters of research activity, to the essential roles we now play in research creation, dissemination and preservation, and research skill development. Research Data Management (RDM) is a prime example. The Harriet Irving Research Commons is a showcase for how libraries are transforming physically. Our bi-campus model is a key organizational transformation and the new faces in our report are taking on new and important responsibilities - different from academic library roles of even a decade ago.

I am exceptionally proud of how our tremendous staff and librarians on both campuses have responded creatively and tenaciously to the disruptions of the pandemic.

Our commitment to being as open as possible for our students and faculty has never wavered. We have provided far more hours of library access than at comparable institutions. We are excited by what the future holds as we collectively emerge from the distractions and restrictions of the pandemic. The value of access to quality information including data, the dangers of misused and false information, the expectations for remote learning and research, the need for students to learn the digital literacy skills to research effectively - all require libraries to be looking forward with confidence and commitment.

Our strength is in our partnerships and willingness to collaborate both within the university and beyond. This year's report identifies the diverse ways in which we are participating in, and leading, regional, and national partnerships and collaborations to the benefit of UNB.

Transforming Research

Research Commons

In the newly launched [Harriet Irving Library Research Commons](#), students have embraced the well-connected, configurable workspaces in Group Study Rooms, Seminar Rooms, and the Innovation Hub. Adoption of virtual teaching spaces like the Lightboard Studio and the Audio Studio is strong, and innovative new spaces like our Fabrication Lab and Data Visualization Lab have enriched the technology landscape at UNB.

Programming

This past fall, two notable workshop series took place, both online and in the Innovation hub:

- The International Business and Entrepreneurship Centre's Weekly Speaker Series
- UNB Libraries Graduate Research Series

The latter, developed in consultation with the School of Graduate Studies and the Graduate Student Association, was designed to acquaint the campus community with UNB Libraries'

expertise critical to research success. Sessions focused on building connections among researchers (whether faculty, graduate, or undergraduate students), librarians, archivists, and content specialists across a range of topics, including scholar profiles, systematic reviews, copyright & intellectual property, patents & patent searching, research data management, and more.

Fabrication Lab

It has been especially exciting to watch the Fabrication Lab take shape in response to students' curiosity and imagination. Fall walk-ins, developed to encourage exploration, have helped make the space a signature campus destination for builders and creatives. Student facilitators, each with unique expertise, have been encouraged to generate programming ideas and identify audiences for the tools the space offers. Thematic 3D printing workshops, for example, match the teaching of maker competencies (such as knowledge modeling, problem solving, empowerment, curiosity, and collaboration) with a particular set of community or individual concerns.

We have also been working with UNB's Office of Sustainability to create programming around repairing and upcycling household items (branded "Fix it Mondays with Amir" named for our student lead Amir Matoufiazar (TME)). April Saulis (Classics), our student assistant funded by the Future Wabanaki program, continues to explore technology-enabled means of supporting Reconciliation and has established a working relationship with the Mi'kmaq-Wolastoqey Centre and the NB Elders Council.



Data Visualization Lab

While several classes with visual and design components made use of this space during fall semester, the Data Visualization Lab has also lent itself to unexpected uses, including collaborative coding projects, community engagement initiatives, and as a de-stressing space. This semester, we have a group of student assistants working on a data visualization project focused on local, regional, and global issues that can be rendered visually and presented both in the Data Visualization Lab at the HIL and on LCD installations in the Hans W. Klohn Commons. Our intention is to create awareness of the power of data visualization in knowledge mobilization and



given the central location of the Data Visualization Lab, to engage the UNB community in critical and timely societal discussions.

Images of Research: Graduate Student Competition

[Images of Research](#) (IoR) is an international initiative that challenges students to communicate the essence of their research in a single (still) visualization. IoR competitions showcase and preserve graduate research in digital form, foster engagement, and support graduate students' academic and career endeavors while developing their knowledge mobilization skills. Offered in collaboration with the School of Graduate Studies, UNB's inaugural IoR competition launched earlier this year, with both virtual and onsite components (in the Data Visualization Lab in Fredericton and in the Hans W. Klohn Commons in Saint John).

Future iterations may expand to video and 3D submissions.

Knowledge Synthesis Service

Knowledge synthesis is a type of research that evaluates and summarizes all available evidence on a particular topic through comprehensive literature searches and advanced qualitative and quantitative synthesis methods. The process includes conducting systematic reviews, scoping reviews, meta-analyses, clinical practice guidelines, and more. UNB faculty and graduate students have increasingly engaged in this type of research, and UNB Libraries is meeting this growing need. We currently offer three levels of support to UNB researchers looking to conduct a knowledge synthesis: training & resources, collaboration, and consultation.

Health librarians Richelle Witherspoon and Alex Goudreau established a *Systematic Review Bootcamp* in 2019 with 25 participants. In 2021, with increased demand, the bootcamp was offered twice, once in May with 24 participants, and again in June with 46 participants. Five half-day virtual sessions covered many aspects of completing a systematic review, with lectures, activities, videos, and individual support. Plans are underway to offer another bootcamp this spring, and a website is in development to provide researchers with additional tools and resources in support of this type of research.

Librarian involvement is strongly recommended or required by organizations that fund and conduct knowledge synthesis projects. UNB librarians collaborated with UNB researchers on over 10 systematic and scoping reviews in 2021. Many of these collaborations were health-related and involved two research centres in Saint John: The UNB Saint John Collaboration for Evidence-Information Healthcare: A Joanna Briggs Centre of Excellence and the Centre for Research in Integrated Care (CRIC). Librarians are members of the research teams and are responsible for search strategy development, implementation, and reporting, in consultation with other team members. Librarians are included as co-authors on manuscripts, having participated in publishing nine articles in 2021. Additional projects will be moving toward publication in the coming months. Over 25 hours of consultation has been offered to

graduate students working on knowledge syntheses as part of their dissertations or course work.

Research Data Management (RDM)

The [Tri-Agency Research Data Management Policy](#), released in March of last year, is the next step following the [Open Access Policy](#) announced in 2016 and a milestone in advancing RDM best practices in Canada. The policy will gradually usher in new requirements for data management plans and data deposit, as well as requirements for institutional RDM strategies to ensure that researchers are well-supported in meeting their obligations for agency-funded research. The Canadian Association of Research Libraries (CARL), of which UNB Libraries is a member, has been actively engaged in the development of the new policy from its earliest stages, and the Portage Network (developed by CARL, now sponsored by the Digital Research Alliance of Canada) has been working to develop RDM-related expertise, resources, and infrastructure at research institutions across Canada. UNB librarians are deeply embedded in these national efforts, through involvement in several of the Alliance's "expert groups" and the Portage Advisory Committee.

Locally, UNB Libraries continue to provide expert guidance in RDM best practices to UNB faculty and graduate students, supporting the use of community standard tools (including the Alliance-sponsored [DMP \(Data Management Plan\) Assistant](#) and providing a locally hosted data repository, [UNB Dataverse](#). The underlying software, Dataverse, developed by Harvard's Institute for Qualitative Social Science, is used and supported by a worldwide community of institutions and consortia. In the past two years,



UNB researchers in kinesiology, forestry, physics, history, chemistry, biology, and the library have deposited dozens of files and datasets to UNB Dataverse. Metadata from datasets deposited to UNB Dataverse are also harvested for inclusion in Portage's national Federated Research Data Repository (FRDR), which is in turn included in the international open-access research portal, OpenAIRE. Further strengthening UNB's resources for research data management, UNB Libraries was selected by the Alliance as a funded participant in a cohort of 10 institutions from across Canada pursuing the internationally recognized Core Trust Seal certification for our research data repository.

In response to the Tri-Agency RDM Policy, librarians Siobhan Hanratty, Mike Nason, and Tatiana Zaraiskaya organized a workshop series "RDM For Busy People" in March-April 2022. This workshop series includes four sessions and aims to introduce RDM practices for researchers to adopt in their academic practice. The series will focus on best RDM practices in line with the new [Tri-Agency RDM Policy](#) announced in March 2021. Participants will utilize a [DMP Assistant](#) online tool to develop a data management plan and a Dataverse sandbox to learn how to share their research data for publishing and further academic research. This training is aimed at graduate-level researchers.

Text Data Mining

UNB Libraries is exploring the use of text data mining (TDM) for research and teaching purposes. TDM is a method of spotting patterns and trends in large sets of documents, which can be used to generate new knowledge and insights about key research themes. It is a well-established method in STEM areas but has been growing in popularity in Arts and Humanities.

We are in the process of evaluating two TDM platforms (GALE Digital Scholar and Ithaka's Constellate platforms) that we can add to our suite of digital scholarship products for the benefit of our research community. The purpose is to evaluate the underlying resources and ease of using the interfaces, with the intention of onboarding at least one.

Digital Scholarship and Publishing

UNB Scholar Migration

UNB's open access institutional repository, [UNB Scholar](#), launched nearly a decade ago, has now grown to hold more than 9,000 items. As with repositories at institutions across the globe, UNB Scholar has been developed to collect, preserve, share, and promote the scholarly output of faculty, staff, and students at the University of New Brunswick. In 2020, the libraries decided to migrate from its current repository software, Islandora, to DSpace, a widely used repository platform employed at hundreds of institutions worldwide. The move to DSpace affords UNB Libraries dramatically increased platform stability, a highly engaged user community, and support for long-missing features such as: OAI-PMH harvesting by organizations like OpenAIRE and Library & Archives Canada, improved persistent identifier handling, better indexing and discoverability, and an improved deposit process. Migration of all existing UNB Scholar content is currently underway, and we hope to launch the new platform later in 2022.

Anglo Atlantic Slave Law Portal

The Libraries have been working with Dr. Stefanie Hunt-Kennedy on the development of the Anglo-Atlantic Slave Law Portal, an online collection of legal documents related to slavery in the Atlantic from the mid-1600s to the early 1800s. The searchable portal will provide annotated transcriptions, timelines, maps, and introductory essays on colonial slave law, the slave trade and slavery, and amelioration and abolition.

NB Bibliography Online

As the *New Brunswick Bibliography Series* (edited by Jocelyne Thompson, Gaspereau Press) approaches the publication of volume 3, the libraries continue to develop its online counterpart, the *New Brunswick Bibliography Database*. Not limited to content from the printed volumes, this searchable bibliography will include books, articles, dissertations, and other published materials from or about New Brunswick or written by New Brunswick authors.

Digital Publishing: Journals and Conferences

Expanding the Centre for Digital Scholarship's (CDS) digital publishing offerings, UNB Libraries have been working with several faculties and departments on campus to publish proceedings from conferences hosted by or in association with UNB. For several years, we have worked with the Institute of Biomedical Engineering to host proceedings from the triannual MEC Symposium and, last year, worked with the Atlantic Provinces Linguistic Association to host proceedings from their annual meetings (1978-2014). We are now working with the Offsite Construction Research Centre and the Faculty of Kinesiology to publish proceedings from their conferences in 2021 and 2022. Proceedings are hosted on a [dedicated platform](#), using PKP's open-source Open Journal Systems (OJS). UNB Libraries was among the earliest adopters of OJS, and we have actively contributed to its development over the years. Using OJS, UNB Libraries provides publishing and hosting services for [16 academic journals](#), several of which are based at UNB.

We work in close partnership with the Faculty of Arts in the publication of *Acadiensis*, *Fiddlehead*, and *Studies in Canadian Literature (SCL)*, and look forward to forthcoming conversations with colleagues in Arts as to how our partnership can evolve with the transformation in scholarly publishing. Currently, we host both *Acadiensis* and *SCL* on the OJS platform, providing the expertise to accommodate online submission, content management, peer review, user management, manage Google analytics, DOIs, and manage submission to CrossRef, DataCite, etc. We provide the metadata essential for discovery by researchers and the mark-up and associated work to create the online issues.

These journals showcase UNB's longstanding research strength in the Arts, support the ability of new scholars to publish, and provide a platform for engaging with Indigenous research methods. The potential for the journals to provide experiential learning opportunities is another asset to the University.

Passamaquoddy-Maliseet Language Trust

Stemming from the Libraries' work on the [Passamaquoddy-Maliseet Language Portal](#), UNB Libraries has signed an MOA to join The Abbe Museum, Passamaquoddy Tribal Historic Preservation Office, Northeast Historic Film Archives and Speaking Place in the creation of the Passamaquoddy-Maliseet Language Trust (PMLT). The PMLT is a consortium of organizations and individuals who are working on documenting, reviving, advocating for, and teaching the Passamaquoddy-Maliseet language. The PMPortal was designed and developed by UNB Libraries through an agreement with the Passamaquoddy tribe and Speaking Place and hosted through a continued partnership with the Mi'kmaq-Wolastoqey Centre.

Instruction

Business Information Skills Certificate

The Business Information Skills Certificate (BISC) is an online, self-paced course that consists of five modules designed to hone undergraduate research skills in the Faculty of Management. The certificate was developed under the leadership of former Business Librarian, Leanne Wells, and formally launched in Fall 2021. The BISC, which currently has 543 registered BBA students, is a collaboration between UNB Libraries and the Faculty of Management, who share common goals of ensuring that BBA students graduate with critical business information skills as described by the Association to Advance Collegiate Schools of Business.

The five modules are each devoted to a different business research topic, and have been mapped sequentially, in order of complexity, to core courses in the Faculty of Management. All five modules must be completed by graduation with a score of 80% or higher as a requirement for ADM 4192, Professional Skills.

Students who complete all five modules receive a certificate signed by the Deans of the Faculty of Management and UNB Libraries. This certificate is a micro credential that can be included on students' CVs. Not only will these critical skills help BBA students with course-based assignments and projects, but they also will provide an excellent foundation for students entering the workplace, where strong business information research skills are in demand.

NEW FACES



Aggie Sliwka began working as the History and Special Collections Librarian at Fredericton in Feb. 2022. She is a member of the Reference Department, engaging in digital and information literacy instruction and working with colleagues in the History Department and the Libraries to develop our collections in print and digital formats, collaborating on scholarly communications and other initiatives. She also works within the Archives & Special Collections Department to develop, maintain, preserve, and promote UNB Libraries Special Collections, with a particular emphasis on New Brunswickana.

Research Toolkit Study

Launched in 2018, the [Research Toolkit](#) is a self-paced set of three modules aimed primarily at first-year students to introduce the basics of library use and academic research. Through 21 videos, handouts, quizzes, and links to other online content, students learn about effective use of library resources and research fundamentals. The Toolkit can be easily integrated into classes or students can opt to sign-up on their own. In Fall 2021, a study was launched to assess the effectiveness of this resource for teaching and learning among first- and second-year students (REB 2021-009). Funded by UNB's CETL (Teaching & Learning Priority Fund) and the Council of Atlantic University Libraries (Innovation Grant), the

Study assessed student performance before and after working through the Toolkit. T-test results showed statistically significant improvement in student scores and the completion survey indicated students' positive perception of the Toolkit's relevance to their academic work: over 80% agreed the Toolkit better prepared them for coursework and influenced the likelihood of using the Libraries' resources. These results support wider inclusion of the Toolkit in first-year programming and early undergraduate teaching.



Workshops

In addition to targeted instructional sessions to individual classes, the Libraries offer a suite of workshops to support research and publishing. These include:

- Citation Management
- Scholarly Profiles and Sharing Research
- Archival Research
- Copyright and Scholarly Publishing
- Research Data Management
- Market Research
- Persistent Identifiers
- Introduction to Patent Searching

Library Collections

Significant changes to the scholarly communication landscape have prompted an update of the Library's Collections Development policy. The last update took place in 2003. The revised policy reasserts the principles that guide our work, describes our role in the provision of access to research and instructional resources, and outlines the

methods we use to evaluate library collections so that resources remain relevant to our users. The full document can currently be found [here](#).

Since the spring of 2020 we have purchased proportionally more e-books than print, ensuring access to materials from any location. We also diverted some acquisitions funds to purchase resources that were needed by graduate students while inter-library loan services were suspended. A preference for electronic over print formats may well be the legacy of 2020-21. We are also replacing print journal back-files with online access to the same content to free up space.

Supporting Open Access

For the past few years, we have been engaged in efforts to help shift access to scholarly publishing away from the historic, subscription-based model in which publishers have greater control over research outputs, to one that acknowledges the funding sources that make research possible, the intellectual contributions of institutionally affiliated individuals, and the true costs of information dissemination and access. We undertake this work through consortia such as CRKN (Canadian Research Knowledge Network), and independently, and are committed to supporting open access as a core value in our operations.

There are several approaches to supporting open access, and our work in this area is diverse:

Locally:

1. We have created and maintain an institutional [repository](#), [UNB Scholar](#), where UNB's scholarly output can be collected, preserved, showcased, and made openly available where eligible. [UNB Scholar](#) accepts UNB faculty and staff works, theses and dissertations, undergraduate senior reports, and even books.
2. [Dataverse at UNB Libraries](#) is a Library-managed repository for UNB research data, where data sets can be deposited, shared, analysed, cited, and explored.
3. We support, financially and through our own expertise, efforts like the [Public Knowledge Project \(PKP\)](#), [OpenCitations](#), and the [Sponsoring Consortium for Open Access Publishing in Particle Physics](#)

([SCOAP³](#)), to help build an infrastructure to support sustainable open access in academic publishing in a way that competes squarely with commercial publishers.

4. We are institutional members of [ORCID-CA](#), enabling researchers to publish with a unique identifier so that their work can be discovered and attributed correctly. Persistent identifiers such as ORCID are part of the standardized metadata that must accompany published works so that they can be found and used by others.
5. We maintain the depositions in our repositories so that they have sufficiently robust metadata and can or will be discovered on such international open access platforms as [OpenAIRE](#).
6. We use tools such as [UnSub](#) in evaluating Big Deals. UnSub factors open access into projections on the cost of providing scholarly journals if we opted to move away from those deals.

With open publishers:

7. We are participating (2021-2023) in the [CRKN-PLOS Community Access Publishing](#) model, which offers UNB authors unlimited, no-cost open access publishing in two PLOS (Public Library of Science) journals, *PLOS Biology* and *PLOS Medicine*.
8. We have committed to purchase the [MIT Press Direct to Open Ebook](#) HSS (Humanities and Social Sciences) and STEM collections for 2022-2024. Our participation helped to make the 2022 Spring front list openly available to all readers and eliminated fees for authors to publish openly.

With commercial publishers:

9. With the goal of repositioning acquisitions funds from spending on subscription models to covering the actual costs of UNB authors' article publishing, we have signed transformative agreements (TAs) with several major publishers. These are currently hybrid contracts that combine subscriptions with [negotiated discounts for UNB authors' article processing charges \(APCs\)](#). Transformative agreements are seen as the best way to move the publishing model away from traditional, subscription-based plans, and are being used globally

for this purpose. The stages envisioned in transformative agreements are illustrated in [this spectrum](#) from [ESAC \(Efficiency & Standards for Article Charges\)](#), a group "with the aim of building infrastructure to foster transparency, efficiency and sustainability around the costs and workflows associated with APC-based open access publishing". They are based at the Max Planck Digital Library.

Why pursue transformative agreements?

UNB researchers have the right to publish where they wish to. We want to support this while realizing the goals of open access. Transformative agreements should get us there. Until now, libraries have paid subscription costs and researchers have paid APCs, often to the same publisher for the same content. We know what subscriptions cost, but because UNB does not have a centralized method for managing APC payments, we need to do a lot of digging to arrive at the total UNB spend for a journal. Since 2017, we estimate the total cost of APCs to be about \$97,000.00 USD before taxes, and this amount goes up each year. Transformative agreements let us bring the two financial streams together and bring a complete understanding of our costs to negotiations with publishers.

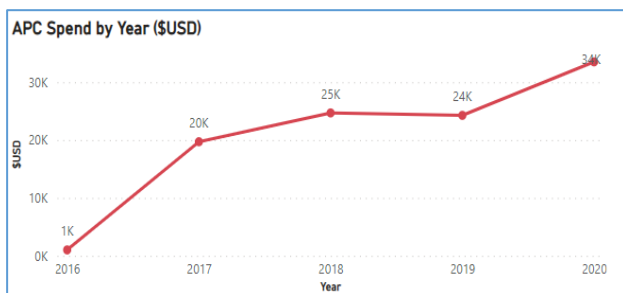


Figure 1: UNB authors' yearly APC spending, 2017-2020

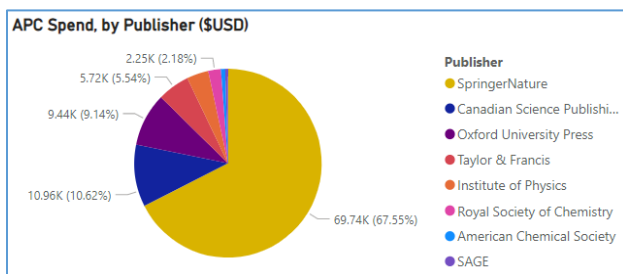


Figure 2: UNB authors' OA publishing destinations, 2017-2020

A journal's impact factor or reputation is important to most authors. They may want to continue a scholarly conversation in its

established venue. For some, professional assessment is connected to publishing destinations. Publishers are aware of this, and libraries have been challenged in negotiations by the 'prestige economy' of high-impact journals. Because many publishers insisted on non-disclosure clauses in contracts, we could not always freely share the actual cost of providing access to these journals through subscriptions. Authors and administrators may not have realized their own role in driving up subscription costs. With TAs, coupled with the elimination of non-disclosure clauses in many licenses, the cost of publishing is made clearer. We hope this clarity prompts an informed search for alternatives.

TAs should encourage authors to opt for open access publishing, in journals for which we have negotiated APC discounts or waivers, and especially in journals and venues that are not under the control of commercial publishers. That way UNB can contribute to the improvement of our province and beyond, through sharing our expertise without paywalls. Open access publishing lets more people see a work and raises its impact profoundly. Also, the TAs we negotiate tend to offer more control over researchers' work once it is published. We argue for Creative Commons, CC-BY licenses, in which authors retain copyright over their own work.

Transformative agreements take many forms and are intended to be cost-neutral for each institution. We will work to ensure that commercial publishers do not treat TAs as a means of increasing their profits by charging inflated APCs against research funding. The shift to open access will not happen at once, but it is gaining ground each year. Transformative agreements and the construction of an infrastructure to support open access will require new processes on campus. Some considerations include:

1. How can we coalesce the payment of journal subscriptions and article processing charges in a single stream, through the Library? While most publishers negotiate a cost-neutral price based on past subscriptions, some attempt to bundle an institution's APC spending into calculations,

which involves funds beyond the acquisitions budget.

2. Where research funding covers the cost of open access publication, how will this funding be identified and transferred?
3. Who will verify an author's eligibility for APC discounted publishing? As publishers use third parties such as [CCC RightsLink](#) and [OA Switchboard](#) to manage APC payments, and assume that institutions centralize this work.

Working with Copyright and Licensed Resources

UNB Libraries' licenses with vendors and publishers provide our authorized users (registered faculty, current students, and staff) access to thousands of electronic resources (databases, e-journals, e-books, videos, etc.). In addition to paying for these resources, the Library negotiates costs and license agreements which clearly specify how and by whom a particular e-Resource may be used. To help ensure our resources are used appropriately, we offer the [rights information](#) for many of our collections and individual titles.



The Libraries are contributing to national and international efforts around resource sharing

and improving legitimate digital access to research materials for academic scholarship. Efforts have focused on the copyright implications of the post-secondary sector's work in Artificial Intelligence and the Internet of Things, the concept of controlled digital lending and systems to expand resource sharing initiatives with institutions across United States and Canada.

In September, the Libraries submitted the [Copyright Support and Administration Policy](#). Approved by the UNB President's Executive Team, the policy defines roles and responsibilities for faculty and staff within their respective units when reproducing substantial portions of copyrighted works. The Policy also details the Library and Copyright Office's responsibilities in supporting the educational use of protected works not covered by licensed use at UNB and is key to managing UNB's commitment to respecting the value of research and intellectual property.

In 2021-22 the Libraries worked with individual researchers and instructors to acquire specific academic publications through services such as copyright clearance and document delivery, responding to requests for more than 6,000 individual books and articles. Teaching materials provided by the Library's Course Reserves system were accessed over 47,000 times, and instructors increased their use of licensed resources in reading lists by over 70% from the previous academic year.

Archives & Special Collections (A&SC)

In June 2021, the President's Executive Team approved and confirmed UNB Archives as the official repository for the records of the university. The wording of the resolution was as follows:

"UNB Archives is mandated to be the official repository for records of archival value. These records are identified by UNB Archives & Special Collections, as records of significance based on the administrative, legal, fiscal, evidential, or historical information they contain, justifying their continued preservation. This includes

administrative records of enduring, evidential, and historic value resulting from the functions and activities of the University of New Brunswick (UNB) and its predecessor bodies (the Academy 1785-1829 and King's College 1829-1859) and includes records from both the Fredericton and Saint John campuses."

A&SC also made some progress in mitigating a space crisis on the 5th floor of the Harriet Irving Library by moving 1,500 records boxes to the space in the Provincial Archives of New Brunswick's repository designated for UNB Archives.

Throughout 2021 A&SC was able to respond to over 575 reference questions from PhD students, faculty members, authors, publishers, and historians from around the world using digital copies of archival or book materials, or by sending microforms via Document Delivery. We also have an excellent partnership with the Provincial Archives of New Brunswick. Staff there have kindly allowed our researchers who could not enter the Harriet Irving Library to view our archival and microform collections in their research room.

Research Highlights for 2021

Archival and special collections provide unique research opportunities for historians and authors and provide evidence for UNB decision-making. We continue to introduce students in the History and Anthropology Departments to our collections through seminars to enhance their research skills and open them up to the possibilities of primary research. Here are just a few examples of how UNB's Archives & Special Collections supported research and publishing at UNB.

Support of UNB administration

We provided images to the Beaverbrook Canadian Foundation, working closely with UNB's Acting VP Advancement, and we provided documents for a request sent via the Senior Associate Director of Development and Donor Relations. Using UNB archival records, we were able to provide evidence of land ownership to UNB's Manager of Real Estate and Property Development and the Executive Assistant and Coordinator to the Associate VP, Capital Planning and Operations.

Faculty and staff publications from UNB

Our collections support Faculty publications and have recently been used in an upcoming publication on *Beaverdime* books. We are currently supporting a history of information technology at UNB that is being written at the request of UNB's President.

Images for videos, social media, newsletters, and magazines

We were excited this year to provide information and images to *The Maritime Edit* magazine. Images from UNB have also been used by UNB Alumni, Alumnae, and the UNB Reds for their social media, and have been published in the *Alumni News*, *Nexus*, and *The Literary Review of Canada*. An image of Fort Howe, sketched in 1781 in Benjamin Marston's diary was provided to the NB Museum for an interpretive panel at Fort La Tour. UNB Alumni worked closely with us to digitize photos of UNBSJ for an upcoming anniversary and provided images for a video of the classes of 1970 and 1971 for Virtual Homecoming.

Images for women's and Black history exhibits and publications

We collaborated with UNB Alumni to create "The Women of UNB" for Women's History Month. We have also supplied images for the Fredericton Region Museum's "Our Black Heritage" exhibit and for UNB Art Centre's exhibit for Black History Month. Research was also done in our collections for "Black NB soldiers' sport experiences during WWI."

NB Authors and newspaper articles

NB authors Dusty Green and Meredith Batt used our collections for *Len & Cub: A Queer History*, as did David M. Griffin for his *Lost British Forts of Long Island*. Reporters from the *Daily Gleaner* and *Telegraph-Journal* also access our collections to research their articles.

Bauer/Gibbs/Fitch collections

Archives & Special Collections continues to acquire the papers of New Brunswick authors and publishers. This year UNB Libraries acquired the papers of author Nancy Bauer (a founding member of the Writer's Federation of New Brunswick and a member of UNB's Ice House Gang), Robert Gibbs (Professor Emeritus and editor of the *Fiddlehead*), and Sheree Fitch

NEW FACES

Evan Echols began working as the Digital Collections Archivist in Archives & Special Collections in April 2020. He has been responsible for the development and implementation of policies and procedures for the preservation of digital materials and collections. He provides consultation and support to UNB faculty and students engaged in the use of born-digital and digitized content and facilitates the acquisition and preservation of archival collections containing digital assets.



(children's author and poet). This material will be essential to critics, researchers, scholars, and students interested the work of New Brunswick authors and poets.

Preserving NB's Newspapers

For years, UNB Libraries has worked closely with other New Brunswick libraries and archives to preserve New Brunswick's print heritage in the form of New Brunswick newspapers. When the Provincial Archives of NB (PANB) recently announced they would no longer be microfilming newspapers, UNB stepped up to support the digitization, preservation, and access to this important collection. Working in partnership with PANB and other provincial stakeholders, UNB is ensuring that the essential content available in provincial newspapers is available to researchers where copyright permits. UNB Libraries' [New Brunswick Historical Newspapers Online](#) now features nearly 8,500 issues (ca. 65,000 pages) of digitized newsprint and will continue to grow as our partnership with PANB moves forward.

External Affiliations

The work of academic librarianship is highly collaborative, and we interact with colleagues at other institutions and organizations to build a sustainable scholarly communication infrastructure, ensure fullest access to research resources while observing copyright and other considerations, negotiate access to licensed resources that is amenable to our principles, and challenge ourselves to observe best practices in what we do. These are a few of our partnerships:

Canadian Association of Research Libraries (CARL)

Council of Atlantic University Libraries (CAUL)

Canadian Research Knowledge Network (CRKN)

Canadian Federation of Library Associations (CFLA)

Lesley Balcom (Dean of Libraries):

- CARL: Representative of the Atlantic Region on the Board of Directors, and Treasurer, Chair of Finance & Audit Committee
- CAUL - Chair of the Board of Directors
- Coalition [Publi.ca](#) Advisory Committee (CFI-funded partnership created to advance digital scholarly publishing and support social sciences and humanities journals in the transition towards sustainable open access). Serves as the CARL representative.

James MacKenzie (Director, Advanced Digital Research and Scholarship):

- CRKN Canadian Persistent Identifier Advisory Committee
- CRKN National Heritage Digitization Strategy Advisory Committee
- The Alliance/Portage Core Trust Seal Certification Cohort
- Portage Advisory Committee

Joanne Smyth (Director, Collections Strategy and Scholarly Communication):

- CRKN - Content Strategy Committee (Atlantic region rep.)
- CAUL Scholarly Communications Committee

Jeannie Bail (Business & Renaissance College Librarian):

- CAUL Collaborative Research Grant Award Committee

Marc Bragdon (Head, Harriet Irving Research Commons):

- CFLA Indigenous Matters Committee

Evan Echols (Digital Collections Archivist):

- CAUL Digital Preservation and Stewardship Committee

Josh Dickson (Copyright Officer):

- Copyright Committee of the CFLA - Controlled Digital Lending, Consultation on a Modern Framework for Artificial Intelligence, and the Internet of Things
- CAUL - Copyright Committee
- CARL - Code of Best Practices for Open Educational Resources and Fair Dealing

Sue Fisher (Curator, Eileen Wallace Children's Literature Collection):

- New Brunswick *Born to Read* Program

Alex Goudreau (Science and Health Sciences Librarian):

- Joanna Briggs Institute Information Science Methods Group

Siobhan Hanratty (Data/GIS Librarian & Head, Reference Department):

- Portage Network - Dataverse North Working Group - Training (Chair)
- Statistics Canada - DLI External Advisory Committee (co-Chair)

Christine Lovelace (Head of Archives and Special Collections, Academic Archivist):

- Council of Archives of New Brunswick
- Standards Council of Canada mirror committee SMC/ISO/TC46/SC11 Archives/Records Management

Julie Morris (Collections Analysis and Bibliometrics Librarian):

- CAUL Scholarly Communications Committee

Mike Nason (Scholarly Communications and Publishing Librarian):

- CAUL Open Educational Resources Committee
- CARL Open Repositories Working Group
- CRKN ORCID-CA Governing Committee (Chair)
- Coalition Publica Technical Committee
- Coalition Publica Metadata Working Group (Chair)

- NISO Journal Article Version Working Group (co-Chair)
- PKP & Crossref Working Group Metadata for Everyone w/ Crossref, Scholcomm Lab, and TIB Berlin
- Tri-Agency Grants Management Solution Initiative - External Change Agent Network

Linda Roulston (Electronic Licensing Librarian):

- CAUL Collections Committee

Scott Shannon (e-Resources Administrator):

- CRKN - Knowledge Base Entitlements Sub-Committee

Richelle Witherspoon (Reference Librarian):

- CARL Knowledge Synthesis Working Group

Tatiana Zraiskaya (STEM Librarian):

- CARL Open Education Working Group
- Portage Research Intelligence Expert Group
- CASRAI/CODATA Terminology Working Group

Numbers At-a-Glance


UNB LIBRARIES BY THE NUMBERS (2020-21)



50,715
IN-PERSON VISITS



166
UNB LIBRARIES
RESEARCH GUIDES




Library
expenditures
by format
type:

- E-journals & databases: **\$4,221,881**
- Print journals: **\$214,174**
- Print books: **\$103,449**
- E-books: **\$111,931**
- Media materials: **\$7,632**



962,170
TOTAL PRINT COLLECTION



45,009
STREAMING VIDEO TITLES



2,362,585
ELECTRONIC VISITS



166,026
UNB LIBRARIES
RESEARCH GUIDE VIEWS





1,153,565
TOTAL E-BOOKS



64,505
E-RESERVES
ACCESSED



7,417
CONSULTATIONS




82
AVERAGE WEEKLY
HIL OPERATING HOURS
(FALL & WINTER TERMS)



121
UNB LIBRARIES
YOUTUBE VIDEOS



97,045
ELECTRONIC JOURNALS



9,160
ITEMS IN THE
INSTITUTIONAL
REPOSITORY