The Library of Trinity College Dublin

Annual Report 2019/20

Developing the Library's Strategic Direction
2015–2020

Below: An empty campus in April 2020, with College's security team on site to provide essential services

Contents:

Context and Overview

This year was like no other. Over half of the academic year 2019/20 was dominated by COVID-19 and the closure of all Library buildings on 12 March with five hours' notice. All staff and students had to immediately adjust to working remotely, whether they had the facilities to do so or not.

As first teaching, and then assessments, flipped online, so the Library rapidly increased its e-resources for our 17,000 users to access content remotely; accelerated its virtual consultations with subject experts; and introduced the LibChat service. The Library rapidly created a suite of services from scratch, including Click and Collect, Scan on Demand, and An Post retrieval and delivery services across Ireland.

The Library was in the forefront of the phased reopening of Trinity, starting on 29 June with Kinsella Hall for postgraduates; followed by the Berkeley, Lecky, Ussher, Hamilton and John Stearne Libraries on 20 July; a joint Research Collections Reading Room in the Old Library on 10 August; and the 1937 Reading Room on 28 September.

The physical reopening of the Library was excellent for morale, and from a practical perspective was greatly appreciated by readers. On the first day of reopening Kinsella Hall, one postgraduate student wrote, 'I have achieved more in two hours in the Library than in two months at home'.

The enormous value of Library spaces as calm, safe, quiet, studious environments with excellent connectivity was starkly reinforced. As the buildings reopened, the words 'sanctuary' and 'oasis' were used by postgraduate and undergraduate students time and again. As the pandemic progressed, the University focused on the critical issue of student mental welfare, and it became clear the Library had a significant role to play in social interaction and mitigating isolation as a non-clinical wellbeing support.

The Library is a flagship in the University's *Inspiring Generations* capital campaign – the first such in an Irish university. Two complementary programmes, the Old Library Redevelopment Project and the Virtual Trinity Library, made remarkable progress during the year.

The integrated design for the Old Library Redevelopment Project received planning permission from Dublin City Council in the shortest possible time and received no objections. Following extensive consultation internally and with external agencies, Heneghan Peng's integrated design has skilfully reconciled the conservation and protection of the 18th-century building and its unique collections with a new Research Collections Study Centre, and a reimagined exhibition for the Book of Kell with new visitor facilities. This is a major milestone for the programme.

In addition, the brilliantly engineered, exquisite new case for the Book of Kells and the stunning redesign of the Treasury were completed to great acclaim. Funded by Fáilte Ireland and a major philanthropic gift by Murray and Carol Grigor, the Treasury is a microcosm of the quality of the entire Old Library programme.

At the same time, the Virtual Trinity Library (the virtual corollary to the Old Library Redevelopment Project), which will create a new digital research entity accessible to the world, made extensive progress with a number of funding awards. Awards from the Carnegie Corporation of New York , the Dutch Government and the Schooner Foundation amongst others, have enabled several projects to start. Significant enabling work is underway, ranging from recruitment to the new positions through to digital preservation policies and enhancement of our digital collections platform.

Between them, these two major programmes somehow reflect the dual zeitgeist of the COVID-19 period. On the one hand, the realisation of the importance of the experiential, the physical, the sensory, as exemplified by the Old Library. On the other hand, the greatly accelerated and enhanced online digital world, as exemplified by the Virtual Trinity Library.

Looking towards 2020/21

The context for 2020/21 will continue to be COVID-dominated in addition to residual Brexit-related risks and opportunities.

This is the final year of the current *Library Strategy 2015–2020*. Given the nature of the challenges and opportunities identified in that significant strategy, it was recognised that "it will take longer than five years to achieve" and it is "essentially a 15-year strategy" (*Library Strategy 2015–2020*, p.6). Recognising that fact, the Library strategy to be developed over the coming year will build on that timescale. It will be recalibrated with reference to COVID-19 and other major issues such as the 'Open' movement (Open Access, Open Scholarship, Radical Transparency etc.), and in the light of UK electronic Legal Deposit's sizable digital achievements, as it enters its second major phase.

The coming year will see the launch of the Virtual Trinity Library, as the umbrella for a host of major projects on the Fagel Collection, the Cuala Press archives, and the Library's medieval manuscripts. These will be showcased though the year as the early research reveals new discoveries.

The Old Library Redevelopment Project will progress to full Stage 2C architectural detailed design, and major planning of the logistics of moving 700,000 items from the Old Library for the duration of the construction works. The commitment to keep collections available during the period of construction necessitates an alternative study space, and work will progress to design that in the Ussher Library. The directional business case will be developed as part of the tri-partite funding strategy, including further philanthropic endeavours within the University's *Inspiring Generations* campaign.

"The Library that never closed"
Library services and COVID-19

Spring is always a particularly active time for Library services. Increased numbers of students access facilities as exams and assessments loom closer, and our world-renowned exhibitions attract a steady source of visitors. Lockdown in March meant the closure of all physical Library spaces, including the Santry Repository. A limited number of key staff were permitted on-site to ensure the security of buildings and collections, and to facilitate the continuity of key services online but, essentially, how Library services were managed and delivered changed overnight.

We moved quickly to implement new communication tools to enable readers to stay informed in a rapidly changing environment. Whether it was delivering access to 1,600 e-book titles during the first six months of the pandemic, seamlessly adapting the exhibitions schedule, or pivoting to support the Virtual Learning Environment, COVID-19 became a catalyst for new ways of working. The changed work environment meant a significant number of staff were able to redeploy to work on the 1872 Printed Catalogue and the Accessions Catalogue. As a result, these two projects made significant advances and are close to completion far ahead of schedule.

I especially want to pay tribute to the commitment, imagination and hard work displayed by every member of Library staff during an extraordinary year. From cleaners to conservators, front-of-house counter staff to administrative staff, security guards to

systems staff, digital collections teams to subject librarians, archivists and research collections experts to programme managers, webmasters and communications experts to metadata cataloguers, shelf stackers and retrievers to research informatics... everyone has contributed enormously to keeping the Library continuously open online throughout and physically open as much as possible during the different phases of COVID-19.

Colleagues have displayed resourcefulness, creativity and innovation, resilience and mutual support. Two of the many messages of support we received are:

'Being able to come and study at my carrel has been a game changer for me as I cannot work from home. I have been amazed by the efforts, which have been put into creating a safe and supportive system so rapidly.'
— **PHD Student.**

'It is fantastic to see the reading rooms open and access to the Library holdings restored. It gives a great boost to morale and sends a very strong and positive signal that the University is delivering on its mission in these extraordinary circumstances.'
— **Vice-Provost & Chief Academic Officer.**

While the buildings closed, Library services didn't cease, and our 157 Library staff deserve praise and gratitude for their unstinting efforts to provide students and academic colleagues with the support they needed.

—Thank you. **Helen Shenton** LIBRARIAN AND COLLEGE ARCHIVIST

Michelle Agar
Enid Atkinson
Iris Bedford
Philip Bedford
Susan Bioletti
Eileen Birch
Derek Birney
Anthony Bohan
Elizabethann Boran
Carola Bosi
Paula Brady
Seán Breen
Stephanie Breen
Colin Brennan
Mark Brennan
Niamh Brennan
Hubert Brudell
Brendan Byrne
Mary Caffrey
Emer Callan
Tony Carey
Carmel Carr
Susana Cobos-Ruiz
Patrick Comerford
Anita Cooper
Rosemary Coppell
Caroline Crawford
Patrick Creamer
Galyna Cremin
John Cremin
Loretta Curley
Peter Daly
Rachel Daly

Edie Davis
Rebecca De But
Madeleine De Lacey
Mary Dennehy
Elaine Doherty
Jennifer Doyle
Paul Doyle
Valerie Doyle
Peter Dudley
Aisling Dunlea
Siobhán Dunne
Jessica Eustace-Cook
Teresa Fagan
Mark Fenton
Lydia Ferguson
Paul Ferguson
Geraldine Fitzgerald
Helen Flynn
John Flynn
Louise Gallagher
Maria Gannon
Brendan Garrahan
Gerard Garrahan
Anna Gavigan
Gráinne Gaynor
John Gillis
Estelle Gittins
Linda Glennon
Emer Guckian
Dominic Guilding
Peter Guilding
Assumpta Guilfoyle
Chlora Hall

Amanda Hannon
Isolde Harpur
Niamh Harte
Arlene Healy
Mary Higgins
Seán Hughes
Lyndsey Johnson
Andrew Jones
Louise Kavanagh
Gary Keenan
Maria Kelly
Jessie Kurtz
Joe Lakes
Simon Lang
Elodie Leveque
Aisling Lockhart
Una Lynch
Grace Mac Donnell
Antoine MacGaoithín
Christine MacMahon
Helen MacMahon
David Macnaughton
Leah Malcolm
Rachel Mathews-Mckay
Shane Mawe
Jane Maxwell
Joe McCarthy
Catherine McDonagh
Terry McDonald
Helen McGinley

Clare McGuirk
Sharon McIntyre
Denis McKennedy
Virginia McLoughlin
John McManus
Ruairí McCallan
Andrew Megaw
David Mockler
Charles Montague
Linda Montgomery
Paul Mulligan
Therese Mulpeter
Aoife Murphy
Ian Murray
Joe Nankivell
Rosarii Naughton
Clodagh Neligan
Caoimhe Ní Ghormáin
Caoimhe Ní Lochlainn
Cliona Ní Shúilleabháin
Dererca Nolan
Shona Nolan
Paula Norris
Martine O'Byrne
Charles O'Callaghan
Aoife O'Connor
Sinéad O'Connor
Donncha O'Donnchadha
Ellen O'Flaherty
Alan O'Keeffe

Felicity O'Mahony
Lorcan O'Meara
Sandra Parker
Beata Piekarska-Daly
Brendan Power
Patricia Quearney
Patricia Quigley
Kieran Rankin
Rosaleen Reddy
Maren Reeder
Margaret Rooney
Mary Sampson
Monica Sanchidrian
Danny Satarov
Christoph Schmidt-Supprian
Nicole Seabrook
Laura Shanahan
Marc Sharifi
Greg Sheaf
Helen Shenton
Emily Stakem
Roy Stanley
Sharon Sutton
Emma Tallon
Brendan Tighe
Janette Van Der Veken
Darina Wade
Nigel P Wall
Gillian Whelan
Martin Whelan
Joe Yeates

Below (clockwise from left): The Library teams continued to provide essential services on site throughout lockdown; postal returns waiting to be processed in June 2020; reading rooms prepared for socially distanced return of readers; Readers' Services staff processing returns

1. Integrated Space

Frontline Services' response to COVID-19

The following solutions were implemented to ensure maximum continuity of physical services:

Successful book return initiatives

Providing book return options for students who needed to leave at short notice was essential. The Library van was made available at the Lincoln Place campus entrance (this later moved to Goldsmith Hall in collaboration with colleagues in Estates and Facilities) and a book return scheme was agreed with An Post to facilitate postal returns for students around the country. We worked with colleagues across the student residences to arrange for books to be returned to campus. To ensure the safety of staff, quarantine measures were put in place for all returns. To reduce pressure on readers, due dates were extended on all loans.

New Click and Collect service

Despite the severe restrictions on access to campus, demand for the Library's print collections remained high. One of our first measures in response was a Click and Collect service. Stella Search was modified to facilitate online requests for materials in the contemporary reading rooms. Library staff, working in staggered shifts and 'pods', processed these requests and transported the materials off campus to Goldsmith Hall, where a safe and efficient system was established for collections. The Click and Collect service later moved back to campus. This service led to several innovations that continue to bear fruit in terms of improved workflows and a more streamlined storage

request system for readers. The service provided over 7,000 book loans during the peak of restrictions, helping to mitigate the worst effects of the lack of access.

Reopening Library spaces

For academic staff, researchers and students alike, the day-to-day realities of working and studying from home highlighted a real and urgent need for safe, comfortable, attractive spaces, offering excellent connectivity and the prospect of human contact. At a relatively early stage in the pandemic, the Library worked with the Dean of Graduate Studies to open Kinsella Hall in the Ussher Library as a study space for postgraduate students and researchers. This was a great success and provided a model for the incremental reopening of all Library spaces.

A large-scale and complex project was initiated to prepare all reading rooms to be reopened. Two metre social distancing and a 50-seat-per-floor limit was implemented across all spaces, which led to an 80% reduction in capacity. Service counters were fitted with protective glass screens and strict quarantine measures were put in place for all book-handling workflows. Readers were given access to study spaces and open shelf collections, and were required to wipe down study spaces before and after use. Sanitiser, wipes and face coverings were made available at key locations. Housekeeping activities were increased to ensure a safe environment across all reading rooms and the Library's Systems Team implemented strict cleaning protocols for PCs and self-service kiosks.

These measures made it possible to incrementally and safely reopen Library spaces. Initially, the focus was on providing study space and facilitating self-service borrowing. As the Government's Resilience and Recovery Plan matured, we were able to offer counter services and to extend the Click and Collect service to collections in off-site storage. This effectively restored access to all contemporary collections and made a big difference to researchers and students during summer 2020 and beyond. With the assistance of the Graduate Students' Union, the 1937 Postgraduate Reading Room was reopened and provided a model for the reopening of Kinsella Hall (floors 1 – 3 in the Ussher Library), allowing the Library to provide over 200 study spaces each evening and throughout the weekend.

New Library booking system

To maintain appropriate health and safety protocols and to safeguard the well-being of staff and students, a booking system for seats and 'quick visits' was launched in the contemporary libraries towards the end of the 2019/20 academic year. Readers are now required to plan their visits by booking in advance to gain entry to the Library, with capacity limits in line with COVID-19 guidelines. This system is integrated with the Library's 3D floorplans to help readers locate their seats.

Ongoing investment in contemporary spaces

The Library continued its ongoing programme of investment in contemporary spaces:

– Carpets were replaced on the lower ground floor of the Berkeley Library,

the Orientation Space that connects the Berkeley, Lecky and Ussher Libraries and in the John Stearne Medical Library. A consistent visual theme has been introduced across these spaces to signal their importance as service hubs, and to create a stronger identity between contemporary spaces.

– Following the very successful use of the Berkeley Library foyer in summer 2019 as a publicly accessible space for the exhibition 'Drawing Your Attention: Four Centuries of Political Caricature', a decision was taken to capitalise on this strategically important space by experimenting with it as a hub for various academic support and outreach activities. The first initiative was a series of writing clinics delivered by colleagues in Student Learning and Development.

RFID security system

The Library successfully delivered a major infrastructural project with the introduction of a Radio Frequency ID (RFID) security and circulation system in the Berkeley, Lecky, Ussher, Hamilton and John Stearne Medical Libraries. The project involved the installation of new security panels at each entrance, the deployment of a fleet of new and improved self-issue kiosks, and the application of RFID security tags to approximately 550,000 open-shelf books, journals, DVDs and microfilm reels. This welcome investment in core services has expanded the range of self-service options available to readers, enhanced the experience of borrowing and returning materials, and improved the long-term security of collections to ensure their enjoyment by future generations.

Old Library Redevelopment Project

The conservation and redevelopment plans for the Old Library, home to the magnificent Long Room and precious manuscripts, including the Book of Kells, is a flagship project in the University's *Inspiring Generations* Campaign. Planning permission was received in October 2020.

The 18th-century Old Library, housing nearly 700,000 items, faces significant conservation challenges. Heneghan Peng's architectural vision draws on the best 21st-century design and technology to safeguard the Old Library building and conserve its precious collections for future generations. This transformative project includes urgent structural and environmental upgrades, and the redevelopment of facilities in line with the best international library and museum experiences.

Academic activities remain at the heart of the Old Library. A new Research Collections Study Centre in the colonnaded ground floor overlooking Library Square will provide scholars with a secure, accessible, and inspiring environment to study the unique and distinct collections. It will uniquely re-envision the Library's treasures. The one-of-a-kind Book of Kells immersive exhibition by world-renowned Opera Amsterdam and Studio Louter will showcase the manuscript's history, making, and symbolism.

The Library led with a curated soft launch announcement, featuring specially commissioned videos showcasing future plans, champions of the project (such as former President of Ireland, Mary Robinson, and donors Murray and Carol Grigor) and CGI imagery. Media coverage was excellent, including RTÉ Radio 1's *Drivetime* (scroll to 2.12), the Irish Times (online and print), a further Irish Times opinion piece by the Librarian & College Archivist, the Irish Independent (online and print), Irish Central, and Alumni e-zine Trinity Today.

Above: Artist's rendering of Fellows' Square and the Old Library Redevelopment Project

As the scale and diversity of our digital assets increases, so too does the importance of digital preservation...

2. Integrated Digital

Response to COVID-19

Streamlining access to e-journals

The ability to remotely access e-journals became critical. In response to calls from staff and students for improved, seamless access, we launched a new service providing quick and simple access to digital content purchased by the Library. Installation of a custom browser extension called *Lean Library* automatically detects when staff and students are on a website containing Library-subscription content. Staff and students preferring to start literature searches in popular search engines (Google, Google Scholar, PubMed) can easily find and access full text articles and PDFs.

Scan on Demand

To support readers who cannot physically visit the Library, a new Scan on Demand service for registered staff and postgraduate students fulfils requests for scanned copies of print book chapters and journal articles. Online requests are made via a custom-created form. Staff make scanned copies of material in compliance with copyright legislation. The files are then available for download from Microsoft OneDrive via a unique link.

Digital preservation

Digital preservation is essential to ensure that our digital assets are accessible into the future. As the scale and diversity of our digital assets increases, so too does the importance of digital preservation. The appointment of the Library's first staff member dedicated to digital preservation signalled the strong commitment to achieving the goals of the Library Strategy to advance and accelerate its capacity to preserve and make accessible digitised and born-digital content, and to embed the importance of digital preservation in our activities.

One area under investigation is the scale of University records being created in digital forms, and the necessity to develop a proactive approach to active lifecycle management and archiving. This issue extends across the University and will intensify as born-digital records become predominant across the University. Sustainability of the Library's growing output of digitised material, and increased growth in collections of global significance from external depositors in digital form, are key considerations in our ongoing preservation of digital outputs for their continued accessibility in the future.

Such initiatives required the development of new workflows; the coordination of a wide range of University colleagues; new processes for the transfer of materials; securing appropriate storage for materials; implementing sufficient back-ups of materials; sufficient metadata to ensure adequate contextual information; and the application of tools to ensure that materials maintain authenticity, integrity, and reliability.

Funding success for Virtual Trinity Library

A key element of *Inspiring Generations*, the Virtual Trinity Library is a series of projects to catalogue, conserve and digitise the Library's unique and rare collections. These will then be used to activate research and to aid teaching and learning, and digitised collections will be showcased in the new Digital Collections repository.

Funding of €2 million has been awarded to date. Funding was secured from the Dutch Government for the Fagel Collection Project in collaboration with the Royal Library of the Netherlands, and planning is underway to recruit the team, including a project manager, bibliographers, and conservator.

The Schooner Foundation awarded funding to catalogue, conserve and digitise the Cuala Press Print Collection and the associated Cuala Press business archives. The Foundation is also supporting the appointment of a postdoctoral researcher in the Department of the History of Art and Architecture which will allow the collection to be placed within its historical, social and cultural context.

The Carnegie Corporation of New York funding grant will facilitate the cataloguing, conservation, and digitisation of a selection of medieval manuscripts from the Library's unique collection, including the 12th-century Winchcombe Psalter (TCD MS 53) and 13th-century Life of St Alban by Matthew Paris (TCD MS 177).

This funding will provide digital educational resources for the Medieval Studies Masters programme and open these treasures for scholars around the world. In addition, the award enables the development of the Library's digitisation infrastructure and programme which is critical for the entire Virtual Trinity Library. Digitised manuscripts will form a key part of Library and University outreach and engagement in the coming years.

Commitment to Digital Collections

In May 2020 the Library launched a beta version of the new Digital Collections Repository. This continues our commitment to extend the accessibility of collections and provide new functionalities to enable enhanced interactions with digital collections and ensure the sustainability of digital outputs. The value of Digital Collections was experienced by scholars in Ireland and internationally, who continued to use the rich and unique holdings of the Library remotely when physical access to the Library's buildings and physical collections was unavailable or limited due to COVID-19.

The Digital Collections platform uses the open source tool International Image Interoperability Framework (IIIF). Developed by a community which includes universities such as Cambridge, Oxford, Harvard, Princeton as well as national libraries, museums and archives, IIIF allows access to high quality images which can be shared and reused across repositories and institutions.

As our digital platform expands, we will make more use of this and other innovative technologies, such as Transkribus, which allows transcription of handwriting. The Library is a member of the Transkribus development community.

Electronic Legal Deposit update

Seven years ago, the Legal Deposit Libraries (LDLs) began to collect materials under UK legislation for electronic Legal Deposit. The corpus now contains substantial content from many publishers, and in a broad range of formats, including web pages, e-journal issues and articles, e-books, digital sheet music, and geo-spatial datasets. The shared enterprise approach to collecting electronic content has been an excellent achievement. The model is unique and has been successful, reaping greater benefits at a much lower overall cost and in a shorter timeframe than would have been the case had each LDL acted independently. The model encouraged collaboration between all six LDLs in spirit and practice, with teams working successfully together on collection development, metadata and other aspects of Legal Deposit, as well as sharing knowledge and experiences.

Each LDL remains committed to the joint endeavour but there is general agreement that a more robust governance arrangement is needed to provide greater clarity of roles and responsibilities. A move to a more operationally sustainable phase and a strengthening of the partnership at strategic level is required. These are being investigated further, with a view to implementing a new governance structure within the next one to two years.

Technology infrastructure

Initial technology solutions (storage infrastructure, digital collections application and access solutions) and arrangements need replacement or major enhancement in order to cope with the volume of content and to deliver the services required. LDLs are currently focused on the infrastructure replacement project.

Impact of COVID-19 on electronic Legal Deposit

The pandemic highlighted the need to expedite the development of fully automated systems, which, despite the scale of their operations, still rely heavily on manual intervention. The British Library's closure on 23 March 2020 impacted on workflows and the ability to process content. By September it had resumed much of the supply for publishers across all the acquisition streams. The British Library adjusted staff workflows and will be in a much better position to continue operations in any future lockdown.

The LDLs could not alter how their readers access the UK e-legal deposit content. Limitations specified in the UK regulations have always presented major obstacles to the Libraries' endeavours to create a good user experience, and the closure of library buildings brought this sharply into focus. In Trinity, the Library received many enquiries from academic staff and students about accessing UK e-Legal Deposit books. Unfortunately, other than exploring purchasing options, access could not be provided until the opening of the first reading room spaces in Kinsella Hall.

Top: Ussher Assistant Professor in Medieval Literature, Dr Mark Faulkner, teaching students using the manuscript collections

Bottom: Siobhán Dunne, Sub-Librarian for Teaching, Research & User Experience, in the storytelling tent at PROBE: European Research Night

3. Integration into Teaching, Learning and Research

Teaching, learning and research response to COVID-19

New skills, new classrooms, new audiences

As academic staff pivoted to the Virtual Learning Environment, the Subject Librarian team moved to support them and their students in the online classroom. Library skills workshops moved to a dedicated Library module on Blackboard, and a peer-led Community of Practice enabled Subject Librarians to share best practice in approaches to online teaching and engagement with students. The Subject Librarian team strengthened its partnership with colleagues in the Academic Practice unit to further support the shift to remote teaching and learning by contributing content to the *Adapting our Teaching for Learning Online* academic staff module and the *Learning to Learn Online* student module.

Library HITS, the interdisciplinary skills programme open to all staff and students, was delivered across four modules in physical locations such as Tangent and the Global Room in the first semester. The delivery of these workshops in the second semester via Blackboard Collaborate drew record attendance. This was also true for the Postgraduate Summer School delivered with the Student Learning & Development unit, which attracted new audiences to Library skills workshops; the online classes served those who needed them most and prompted comments such as, "…the virtual format worked really well, and I liked being able to attend the lectures and also use my computer to follow along". Online classes were also delivered in the pre-orientation programme for international students.

CPD Bank and LinkedIn Learning resources helped to foster new authoring and editing skills. A pan-Library team produced *Plan, Search and Apply* resources, containing quick video guides aimed at an online audience, which can be seamlessly embedded in Blackboard modules.

New ways of communicating

In March, new communication tools were implemented to enable readers to stay informed in a rapidly changing environment. One such tool was the *Academic Continuity Guide to Working and Studying from Home*, which included: a *Frequently Asked Questions during COVID-19* page; a series of 'how to' guides on accessing electronic resources remotely; and a portal to free electronic content on a temporary access.

A recent survey had showed that many readers wanted a Live Chat function. In response, we launched the *LibChat* service in July. A team of experienced frontline staff answer queries in real time with in-depth queries referred to a Subject Librarian for further live consultation. This service helped to counter reader isolation and engendered a genuine sense of community. It also attracted reluctant readers, who previously were hesitant to ask for help in person. Insights into patterns of frequent queries are already proving useful to identify trends in demand for other services, and are providing options for future Artificial Intelligence and 'Chatbot' development.

Supporting the switch to online teaching and learning: Investment in e-books

On the day we closed in March, the Library issued a call to undergraduate

and postgraduate Directors of Teaching and Learning to submit a priority list of module texts to purchase electronically. A second call to Directors of Research in April focused on requests for e-books that were required to complete research and to support students completing dissertations. As a result, the Library delivered access to 1,600 e-book titles during the first six months of the pandemic. During 2020, the Irish library community called on the Government and the publishing industry to take action against the electronic content crisis, including licensing challenges and excessive pricing, both of which were exacerbated by the pandemic.

Research collaborations

Contact with our research community was maintained remotely during closure. For example, from March through August, more than one thousand enquiries to Research Collections were answered via email. A joint Research Collections Reading Room service, established in August, involved the combination of staff from Early Printed Books and Manuscripts & Archives, and the design and implementation of new protocols and procedures. A new Research Collections Scan on Demand service launched in July.

Research was showcased on the Research Collections blogs, featuring diverse posts authored by readers and staff on maths and art, provenance research, Arabic manuscripts, Library catalogues, life in lockdown, travel memoirs and 18th-century letters.

The Library was the main sponsor of the Visiting Research Fellowship of Dr Torsten Wollina, designing and supporting his work

plan. During lockdown this meant ensuring the requirement to publish material was met by facilitating a series of blog posts on the Library's catalogues and its Arabic collections, supported by a social media campaign.

Integrating Research Collections into teaching and learning

Research Collections were integrated into two courses launched in 2019/20: the Medieval Studies M.Phil., which includes face to face teaching using the Library's medieval manuscripts as a central feature of the course; and the Travel Elective *A World to Discover* which includes teaching on artefactual literacy by Dr Jane Maxwell. Felicity O'Mahony presented on the Library's holdings at the Medieval Fragments Symposium at the Humanities Institute, UCD, October 2019. Established teaching continued with introductions to Research Collections provided for the Modern History M.Phil.; talks on the Book of Kells for Loyola Institute students, and the Pollard Collection for students of the M.Phil. in Children's Literature; and the Winter School for visiting students in Modern Irish Writing in the School of English.

Massive Open Online Course: The History of the Book in the Early Modern Period

The MOOC *The History of the Book in the Early Modern Period: 1450-1800* was coordinated by the Librarian of the Edward Worth Library, Dr Elizabethanne Boran, with colleagues Dr Jane Suzanne Carroll and Dr Mark Sweetnam (School of English), Dr Joseph Clarke (School of Histories and Humanities), and Dr Silvia Gallagher

(Trinity Online Programme), with assistance from staff in Early Printed Books, Digital Collections, and the Worth Library. This ran in November 2019 and April 2020, and was so successful it is now available on the FutureLearn website.

Research landscape

Systematic reviews and a new research group

Systematic reviews represent one of the fastest growing areas for collaboration with researchers, often in large multidisciplinary teams with colleagues in health and social science disciplines. Subject Librarians continue to contribute expertise in devising search strings, screening results and capturing the search strategy for publication. The number of students undertaking these reviews has increased. When access to laboratory space was curtailed, more students had to pivot to 'dry research'.

A collaboration with the Global Brain Health Institute is supporting three reviews for undergraduate capstone research. One of these projects, *An overview of reviews of effective interventions for older people who become frail: An evidence appraisal to inform public health policy*, is being carried out in partnership with the Public Health Agency in Northern Ireland. It gives students an opportunity to gain first-hand experience of research that will directly inform public policy to safeguard frail older people.

Another systematic review supported by the Library during COVID-19 is *Educational experiences and needs of children with cancer returning to school*, authored by a PhD student situated overseas, which was

supported through online consultation with a Subject Librarian. The student has since submitted her review to one of the most prestigious journals in the field and is awaiting publication. A list of systematic review publications co-authored by Subject Librarians is included in the publications listed in the appendix.

The Inclusion in Education and Society Research Group is a new Community of Practice consisting of colleagues from the School of Education, the Library and other institutions. The aim is to apply knowledge and skills in addressing barriers to the full and fair participation of citizens in education and society. During the year, the group established *The International Journal of Inclusion in Education and Society* under the umbrella of SOAPBox, the Student Open Access Project.

Rapid response collecting: *Living in Lockdown* and edepositIreland

In April 2020, in collaboration with the Trinity Long Room Hub, the Manuscripts & Archives department instituted the Library's first digital-manuscripts-collecting initiative, *Living in Lockdown*. On one hand, this was a continuation of the department's standing brief to provide materials to future researchers. But it was also a valuable outreach activity, offering the Trinity community a method of securing a concrete and valuable response to the circumstances created by the pandemic. See this University Times article for a good summary of the project.

Another rapid response initiative targeted all government publications relating to COVID-

19. The Library added over 700 documents to its edepositIreland open access repository. As with so many online resources, publications by government agencies often disappear from its websites or become hard to find; this ongoing project ensures that a key part of the public record of this crisis remains accessible into the future.

ORCID

In a joint initiative between the Dean of Research and the Library, Trinity joined the Irish ORCID Consortium, which is part of a co-ordinated approach to the adoption and integration of ORCID (Open Researcher and Contributor ID) services and resources in Ireland, directed by the Higher Education Authority. Every researcher can register for a free ORCID ID linked to a unique, lifelong digital personal research profile. Academic and research staff and students are encouraged to set up and use their unique ORCID ID. Its many advantages include:

– Unique ID reliably connects a researcher with their works, awards and affiliations.

– Obviates mistaken identity.

– Researchers own and control their record.

– Time-saving: information is entered once.

– Integration with Trinity's Research Support System.

Open scholarship
Unboxing Open Scholarship

Over the last year the Taskforce on Open Scholarship initiative *Unboxing Open Scholarship* welcomed over 750 people to 12 events. Subjects ranged from research impact and evaluation to open scholarship

in the humanities. The final event explored the role of researchers in the European Open Science Cloud. The Taskforce's aims were to take the temperature of how far Trinity should go along the road to Open Scholarship; to determine the scope of Open Scholarship (including Open Access and Citizen Science); and to identify steps to cultural change. Its recommendation to "stand up for research, its quality and impact" by leading on Open Scholarship and promoting open access publication was captured in the University's Strategic Plan (2020-2025).

Open access transformative agreements

The Library and the University benefit from participation in the Irish Research electronic Library (IReL), the nationally funded online research library providing access to over 40,000 e-journals and other resources. IReL's collective approach to negotiation delivers economies of scale as well as underpinning research and teaching. Until now, when negotiating with publishers, IReL has invested in a subscription model, focused on access to licenced material. This approach changed from 2020 in line with developments worldwide and the expectations of Irish funders (for e.g., Science Foundation Ireland) around open access to funded research publications. A recent IReL survey found that Irish researchers reported a spend of €1.4 million with publishers in order to achieve open access to three publications per researcher.

In addition to subscription access, IReL will now negotiate to include in agreements that publishing of articles by corresponding authors from member institutions will be on an open access basis and at no additional

cost. Earlier this year the Universities and Institutes of Technology signed such an agreement with Elsevier. The Irish ScienceDirect Open Access Agreement (2020-2022) gives participating institutions, including Trinity, continued read-access to Elsevier's Freedom Collection of journals, and allows corresponding authors from member institutions to publish open access articles in over two thousand Elsevier journals without publication charges. The agreement will allow an estimated 71% of articles by eligible authors, in the relevant Elsevier journals, to be open access immediately on publication for each year of the agreement.

Positive steps in User Experience
An inclusive approach to improving the library experience of all our readers

An extremely enjoyable collaboration with the Trinity Centre for People with Intellectual Disabilities came to a fruitful conclusion with the publication of *Improving the university library experience of students with intellectual disabilities: A case study from an Irish institution*. Co-written with students in the Centre, it was published in the peer-reviewed journal Disability and Society and showcased a series of video guides for students with intellectual disabilities on using the Library.

The Library continued its rich research collaboration with the Disability Service. The *Trinity Sensory Processing Project* assessed the potential for low distraction study spaces, and the Library has ambitious plan to improve acoustics, lighting and other environmental conditions. A pilot series of Sensory Tours in Michaelmas term were customised to meet the needs of students with sensory sensitivities (noise, light
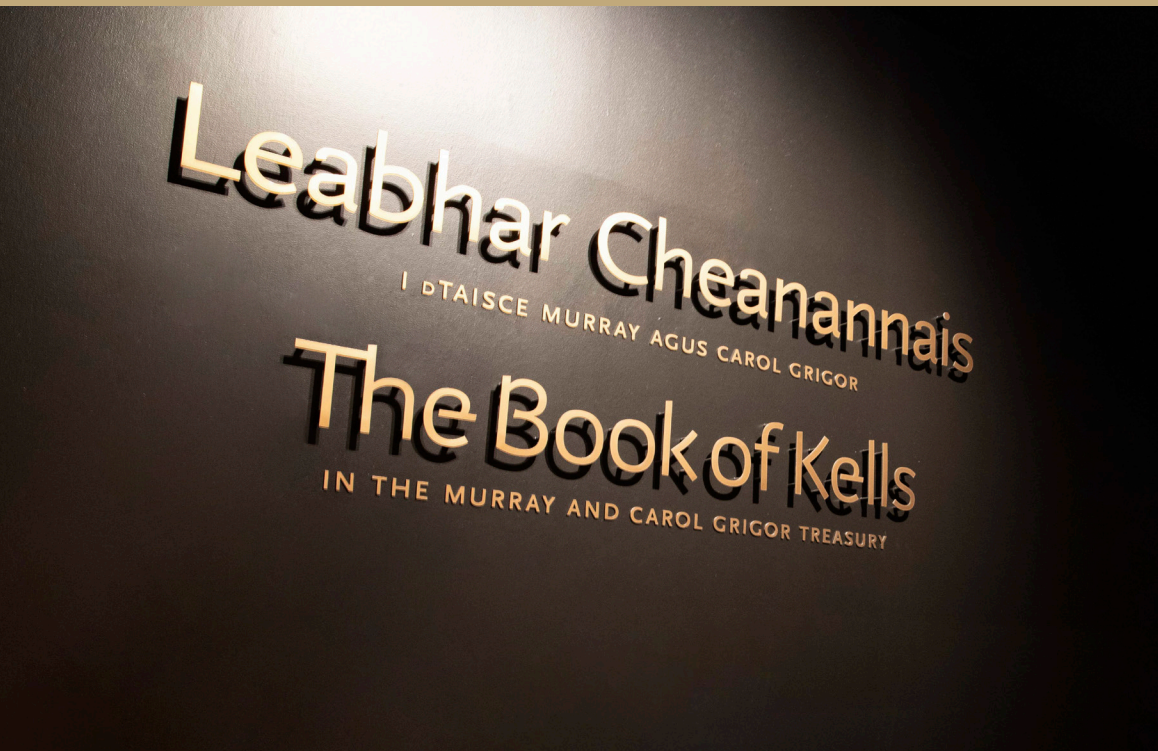
intensity) were co-led by a Student Disability Ambassador and a librarian. Attendance was limited to six students. Tours provided a bespoke experience for students who might never otherwise join a Library tour. The user response was extremely positive and has enabled Library staff to better understand the diverse needs of the student body.

International Image Interoperability Framework (IIIF4) Research Network

The Library and Digital Humanities Research Centre won a grant to establish the IIIF4Research Network from the Irish Research Council under the Arts Humanities Research Council and Irish Research Council *UK-Ireland Collaboration in the Digital Humanities Networking* call. Led by Trinity College Dublin, University of Glasgow, University of Durham and University of Wales, the Network will investigate the potential for innovative forms of scholarly discussion and interchange offered by the IIIF. Its objectives are to:

– Build a community of practice of researchers, collection users, and information and heritage professionals to share ideas and knowledge about the potential of the IIIF to transform scholarly and public engagement with the digital collections of libraries, archives, museums and galleries.

– Facilitate innovative forms of arts and humanities research which transcend institutional, national and international boundaries.

Below: The new Book of Kells Treasury and display case. The selected pages for the opening are from the Gospel of St Matthew, of the Virgin and Child (folio 7v) and Breves Causae (folio 8r) - on view for the first time in 30 years

4. Prioritised Funding

Inspiring Generations

A major feature of 2019/20 has been the tranches of successful funding for the Library through the *Inspiring Generations* philanthropic campaign. The two complementary programmes, the Old Library Redevelopment Project and the Virtual Trinity Library, received external funding from generous individual donors, foundations, and governments.

The Old Library Redevelopment Project has a growing number of international benefactors and patrons supporting the urgent and ambitious initiative to preserve and protect the protected monument and its unique collections. Most notably this year, Murray and Carol Grigor made a very generous gift towards the Treasury and the new Book of Kells display. Together with a significant award from Fáilte Ireland, this enabled the completion of this major work.

At the same time, the Virtual Trinity Library, which will create a new digital research entity accessible to the world, made extensive progress with a number of funding awards. This ambitious and far-ranging initiative has nine categories within Research Collections, including Europe's Diverse Heritage, Global Culture, Ireland's Creative Legacy and Ireland's Experiments and Great Discoveries.

External funding was awarded to commence work on four initiatives:

– The Fagel Collection project is working towards the virtual reconstruction of this significant pan-European collection. Following extensive collaboration with the late Peter Kok, Ambassador of the Netherlands, and a visit to the Old Library by the King and Queen of the Netherlands, Trinity College Dublin and the Koniklijke Bibliotheek (National Library of the Netherlands) were awarded €495,000 from the Dutch government to work collaboratively on this project. Building on a very successful Fellowship with the Trinity Long Room Hub, three new positions are currently being recruited to research, catalogue and disseminate the collection.

– The Carnegie Corporation of New York made a $500,000 award for the Medieval Manuscripts initiative. This major award enables conservation, digital imaging, dissemination and research on a tranche of medieval manuscripts. It will also support digital resources for the Medieval Studies Masters programme.

– Finally, the Schooner Foundation made a major award of €285,000 to Trinity to fund a project jointly led from the Library and the Department of History of Art and Architecture. The project will see the Library start cataloguing, conservation, digitisation and dissemination of the Cuala Press Print Collection and the associated Cuala Press business archives and the appointment of a postdoctoral researcher to undertake research and educational dissemination of the collection.

These books were not catalogued elsewhere, so finding one meant using an online database created between 1987 and 2006 by the late Professor John Byrne, often referred to as the 'father of Irish computing'.

5. Suite of Inter-Related Policies and Programmes

After nearly three decades of continuous service, the Book of Kells display case was decommissioned and a new case was installed in the Old Library Treasury. It was created by the leading exhibition-case design company, Goppion Technology of Milan, to meet the rigorous requirements of our stewardship policy. Goppion has previously made cases for the Mona Lisa, the Crown Jewels, and the Dead Sea Scrolls.

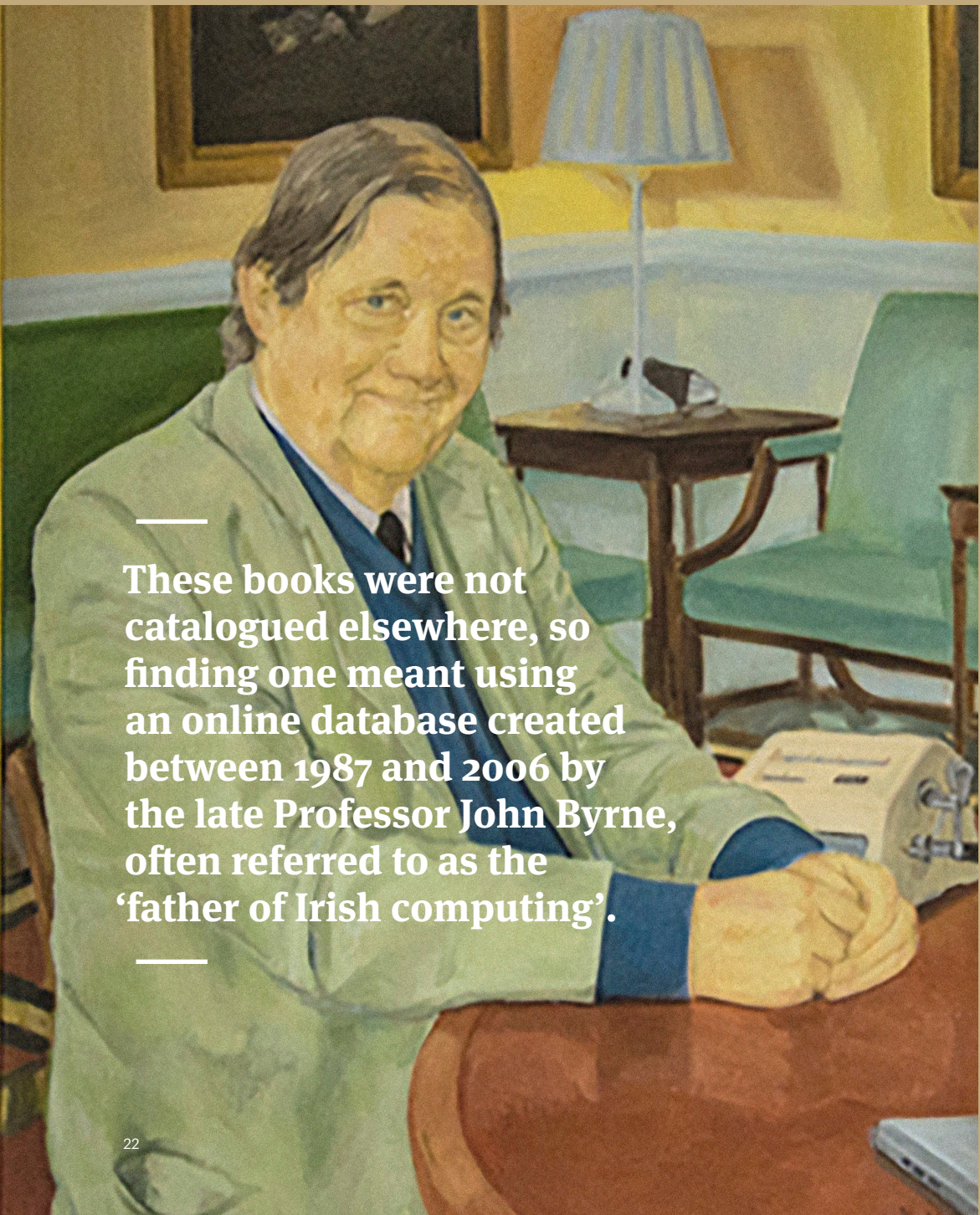### Caring for our greatest treasures: Stewardship strategy

Environmental parameters, security provisions, and visual display concepts were incorporated into the case design to protect the manuscript whilst providing an enhanced viewing experience for larger numbers of visitors. Its glass-and steel tower construction and internal plinth allows, for the first time, the safe display of every page in the manuscript. Improved monitoring and controls for light levels and environmental conditions will enable us to provide the highest level of care for Trinity's great treasure for decades to come.

The Treasury was fully refurbished to add further layers of protection into the room and to create an inspiring and immersive experience. (See Section 6 for more information and media coverage.)

Significant achievements in the Visibility and Access Programme

1872 Printed Catalogue Project

A project to convert the bibliographic entries in the Library's first comprehensive, published catalogue, into modern records in Stella Search, received an unexpected boost as a result of the restrictions imposed by the pandemic. The 'Printed Catalogue' describes the (approximately) 165,000 volumes the Library held by 1872, giving their location in the Long Room. These books were not catalogued elsewhere, so finding one meant using an online database created between 1987 and 2006 by the late Professor John Byrne, often referred to as the 'father of Irish computing'.

However, neither the nine physical volumes nor the online database of the 1872 Printed Catalogue was suitable as a stock-checking tool for the upcoming Old Library Redevelopment Project. Sorting the book entries in shelfmark order, for example, is not possible. By March, the first phase of a data conversion project was near completion: structuring the OCR data in MS Excel and performing a series of batch corrections and enhancements using OpenRefine. The second phase was in planning: hiring a sizable team of temporary staff to manually check, correct, and enhance every single line of this large dataset against the original entries in the Printed Catalogue, using Professor Byrne's digital images.

Instead, the two staff members working on phase one in the Bibliographic Data Management Department quickly pivoted the plans, infrastructure and workflows to remote working from home, and an additional sixteen staff from across the Library joined the project. By the end of September 2020, they had checked, corrected, and enhanced three quarters of the data: a huge achievement under very challenging circumstances. Upon completion of this phase, the project lead will batch-convert the cleaned data into the standard Library format and import all records into the Library Management System and Stella Search (probably in Q1 2021). It will be a significant milestone in Trinity's long history of cataloguing.

Accessions Catalogue conversion

The Printed Catalogue was followed by the 'Accessions Catalogue', which recorded all acquisitions made between 1872 and 1964. A Mellon Foundation-funded project to transfer these records from the Accessions Catalogue to the Library Management System finished a decade ago, with 63 of its 436 unpublished 'guard book' volumes left to do. A low-key continuation project started in 2016 and added approximately 2,000 records to Stella Search annually. Approximately 10% of the books listed are shelved in the Old Library. A swift re-adjustment of the cataloguing software and workflows resulted in a second large-scale catalogue conversion project in March. The guard books had been imaged after the Mellon project, so the digital files could be made available to staff via OneDrive; most are over 1 GB in size.

There is no OCR data, so the established method of sourcing equivalent records from library union databases was continued. Between March and September 2020, twenty-seven members of staff from across the Library added approximately 24,000 records to Stella Search, covering about a third of the remaining volumes. Thanks to this collective effort, the completion of this final major legacy catalogue is now in sight.

Other additions to Stella Search

During the year, hundreds of records were added to Stella Search for hitherto invisible collections. A small project specifically devised during the University's closure enhanced the Library's ability to control its inventory in the Old Library, as well as reader access to the material. Thousands of multi-volume publications were itemised so that each individual volume can be identified and requested within the system.

The Printed Catalogue was followed by the 'Accessions Catalogue', which recorded all acquisitions made between 1872 and 1964.

Above: The Accessions Catalogue, 1872–1964

6. External-Facing Events and Communications

COVID-19: Communications response

The Library communicated consistently with staff, students and readers around its resumption-of-activities roadmap, the roll-out of new online services, visits to the physical Library, and health and safety protocols. Each Government level of restrictions required targeted communication across the Library website, including on the LibGuides section and blogs, and via social media campaigns and digital screens. The Librarian issued emails to the Trinity community, emphasising the support and services the Library was providing throughout this period, and informing staff and students of the various opening hours and new services as they came on stream. Library videos for new students incorporated COVID-related messaging.

Launch of historic new Book of Kells Treasury and display

The unveiling of the remarkable new Book of Kells Treasury and display took place on 14 September 2020. The Library shared the historic occasion with the nation, making exclusive images and footage of the 9th-century manuscript in its new display available for the first time. In a major media announcement, Minister for Media, Tourism, Arts, Culture, Sport and the Gaeltacht, Catherine Martin stated:

This is one of the most positive developments for the country's cultural, heritage and tourism sectors this year. It heralds a period of renewal and innovation for cultural organisations across Ireland. Trinity has safeguarded this priceless manuscript with leading technology and preventive conservation, ensuring the optimum

environmental conditions, security and visual display. The conservation and preservation of our heritage for future generations is of national importance and this historic unveiling is a pioneering example.

Because the planned physical launch had to be cancelled, the Minister and her husband, Francis Noel Duffy TD, were given a private tour hosted by the Librarian and College Archivist with the Provost on 10 September. This was followed by a private tour with donors.

Significant and lead-story media coverage included: *Morning Ireland* on RTÉ Radio 1; *One O'Clock News* and *Six One News* (scroll to 17.34) on RTÉ 1 Television; RTÉ News YouTube; RTÉ online; the Irish Times, both print and online; the Irish Independent, both print and online; Irish Central; and the Irish Post.

The Library-led social media campaign involved Trinity's primary social channels, and media and cultural organisations.

Director's Choice: The Library of Trinity College Dublin

Librarian and College Archivist Helen Shenton invites the public to explore some of the Library's most fascinating, unique and diverse holdings in *Director's Choice: The Library of Trinity College Dublin,* a new and enlightening addition to Scala Publishers' acclaimed international Director's Choice series. Edited by Felicity O'Mahony, it includes submissions from Susie Bioletti, Elizabethanne Boran, Siobhán Dunne, Lydia Ferguson, John Gillis, Estelle Gittins, Aisling Lockhart, Helen McGinley, Jack McGinley, Shane Mawe, Jane Maxwell, Chris Morash,

Andrew Megaw, Caoimhe Ní Ghormáin, Cliona Ní Shúilleabháin, Dererca Nolan, Paula Norris, Ellen O'Flaherty, Felicity O'Mahony, Christoph Schmidt-Supprian, Laura Shanahan, Greg Sheaf, and Roy Stanley. The gems showcased include: Egyptian Books of the Dead; Jonathan Swift's death mask; John Banville's literary manuscripts; Oscar Wilde trade cards; J.M. Synge's portable typewriter; and the marriage certificate of James III. Interest in the project was so great amongst staff that the Library is continuing it into the next academic year with an online showcase, involving additional contributors, *Director's Choice Uncut*.

Exhibitions and launches

Rough Magic exhibition (14 November 2019 – 15 January 2020)

Curated by Lynne Parker, Artistic Director of Rough Magic, and Estelle Gittins, this exhibition showcased the evolution of one of Ireland's most innovative and best-loved theatre companies from its Trinity student beginnings. The exhibition was accompanied by a series of blog posts by Lynne Parker, and Trinity academics Nicholas Grene and Chris Morash. The event in the Long Room was launched by Roy Foster and attended by Rough Magic alumni including Anne Enright, and featured a rousing performance of *Be careful not to patronise the Irish* from Arthur Riordan and Bell Helicopter's award-winning satirical musical *Improbable Frequency*.

Ethna MacCarthy: Poems book launch and archives donation (5 October 2019)

Edited by Gerald Dawe and Eoin O'Brien, *Ethna MacCarthy: Poems* showcases the literary talents of this former student and medical professional.

Gallery Press exhibition (15 January – 28 February 2020)

This exhibition focused on the 50th anniversary of the Gallery Press, recognised as Ireland's pre-eminent publisher of Irish poetry and drama. Curated by Dr Julie Bates, School of English, it explored the many links between Gallery authors and Trinity, showcasing the work of the poets and writers such as Eiléan Ní Chuilleanáin and John Banville, whose literary archives are in the Library.

Hist250 exhibition (28 February – 21 September 2020)

The oldest student society in the world, the Dublin University Historical Society ('the Hist') celebrated its 250th anniversary in 2020. Former members who went to excel in the worlds of politics and literature include Theobald Wolfe Tone, Robert Emmet, Bram Stoker, Oscar Wilde, Samuel Beckett, Mary Harney, Leo Varadkar and Sally Rooney. The Greatest of All Schools of Oratory, a physical and online exhibition drawing from the Society's archive, was co-curated by Ellen O'Flaherty and members of the Hist (including student members). Highlights included Edmund Burke's minute book, a letter from Douglas Hyde, and signatures of notable members. The exhibition in the Long Room was a focal point during the week of celebrations in early March 2020. Before officially opening Hist250 Week on Monday 2 March, President Michael D. Higgins was invited to a special exhibition viewing. On 6 March, Chancellor of the University Mary McAleese formally launched the exhibition together with the book Trinity College Dublin: The College Historical Society, Oratory

and Debate 1770-2020 by Professor Patrick Geoghegan. A substantial amount of the illustrations in the book are photographs taken by Digital Collections of documents and manuscripts in the Hist archive.

Frank Stephens exhibition (21 September – end of 2020)

The Frank Stephens online exhibition proved popular when promoted as part of the Exhibition of the Week initiative during lockdown, and so was a good choice to display again. Curated by Felicity O'Mahony, it is made up of surrogate prints produced by Digital Collections from the original glass plate slides in the Frank Stephen's archival collection.

Loans

The Book of Leinster went on loan to the Museo Centro Gaiás, Santiago de Compostela for the exhibition *Galicia: A Story in the World*. The exhibition explored the interaction between Galicia and the rest of the world from the prehistoric to the present, and included other loans from the Parker Library of Corpus Christi College, Cambridge, the Vatican Apostolic Library, the Library of Arezzo in Italy, and the National Museum of Archaeology in Portugal. Originally due to return to the Library in April, its return was rescheduled to October 2020.
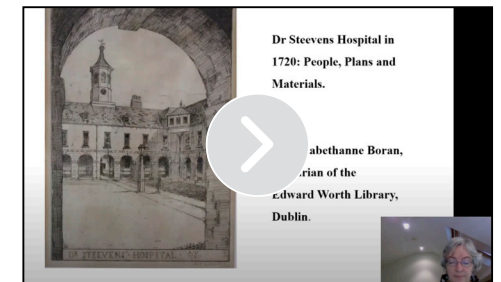
Events in lockdown

Exhibition of the Week initiative

This initiative promoted nine of the Library's online exhibitions through social media between March and June 2020 including: *The Book of Durrow* (for St Patrick's Day); *The Clarke Stained Glass Studios; The Lake

Poets (for Wordsworth's 250th birthday on 7 April 2020); *Brendan Kennelly* (for World Poetry Day); *Tom Murphy* (to commemorate two years since his death); and *Why Were Arabic Manuscripts Collected in 17th-Century Dublin?*

Edward Worth Library 1720-2020 tercentenary

On 11 September 2020 the Edward Worth Library held a webinar Dr Steevens' Hospital and Dublin in 1720 to mark the 300th anniversary since the foundation stone of Dr Steevens' Hospital was laid.

Pratchett Project

For the third consecutive year, the Pratchett Project, led by Dr James Hadley of the Centre for Literary and Cultural Translation, held a series of public talks for Culture Night under the banner *Terry Pratchett at the Unseen University*. Held online this year on 18 September, it was the culmination of a new two-day international conference featuring twenty scholars who delved into Pratchett's work. Topics included Pratchett's humour and how it translates in different languages, questions of ethics, and personal identity formation.
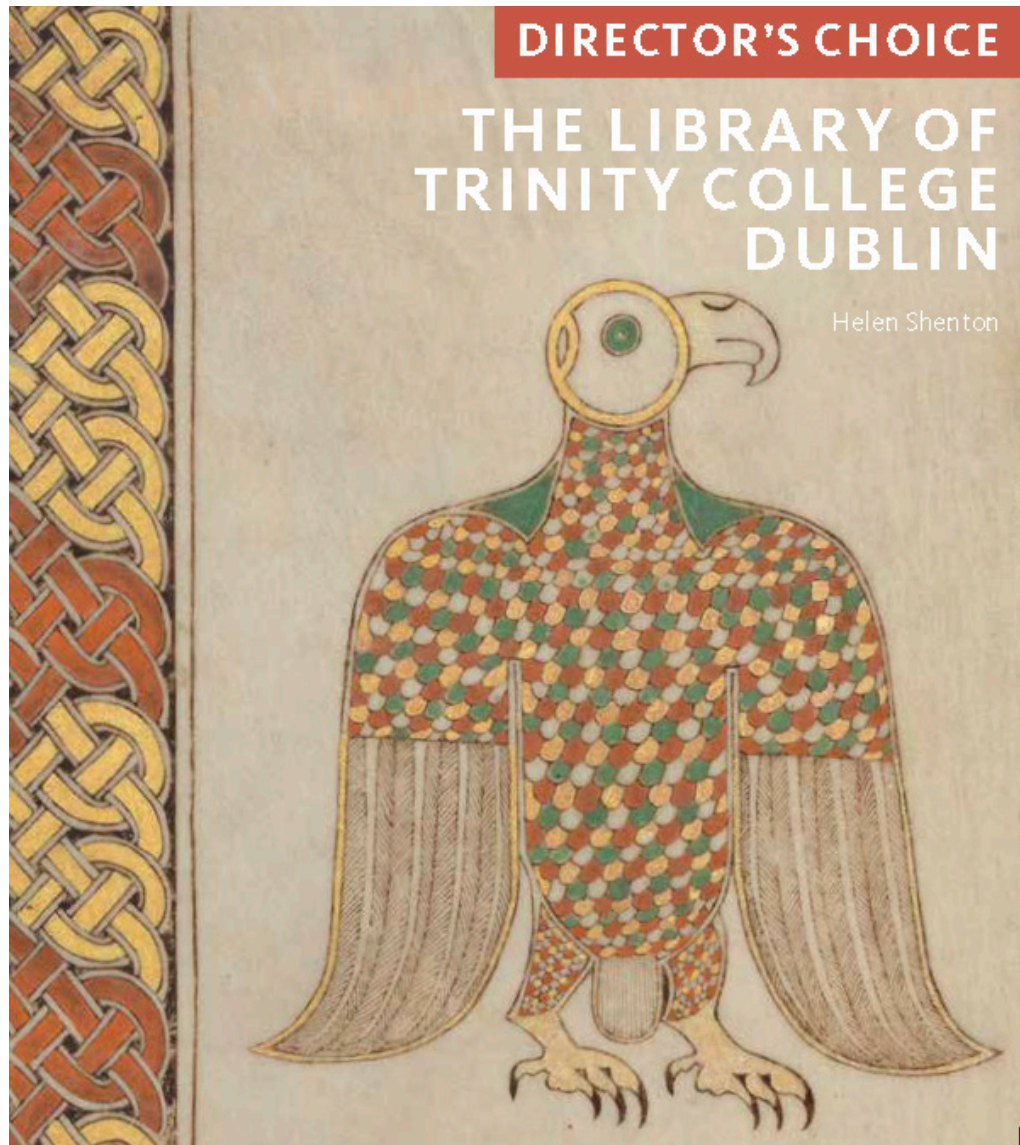
7. Appendices

FACTS AND FIGURES

Space	2019/20	2018/19	2017/18
Total gross floor area (in square metres)	18,785.29	18,785.29	18,785.29
Reader spaces	3,317	3,317	3,317
Information Resource Provision			
UK & Irish Legal Deposit items received (books, maps, OPUBs, sheet music)	29,144	47,902	49,287
Purchased items (books, maps, sheet music)	3,263	6,425	6,465
Donations & theses items (books, maps, sheet music)	892	3,514	2,156
Number of print serial titles purchased or free	5,633	6,813	7,254
Number of electronic serial titles purchased or free in electronic form	153,850	145,111	126,246
UK electronic Legal Deposit serials – article level	700,000	1,837,336	160,000*
UK electronic Legal Deposit serials – issue level (from 2019/20)	123,338	n/c	n/c
UK electronic Legal Deposit monographs	78,608	196,004	125,182

Library Use	2019/20	2018/19	2017/18
Orientation Tour Participants: Undergrad, TAP, Mature, Postgrad Information Skills Workshop Participants:	5,340	5,587	5,632
1. Interdisciplinary [Open to All]	2,328	1,869	1,296
2. Programme Specific	6,743	6,743	6,201
3. Research Collections – Programme Specific	68	400	348
4. Research Consultations	1,027	n/c	n/c
Searches of Stella (Library's online catalogue)	5,319,882	4,679,152	3,849,461
Total loan of items to readers (including renewals)	158,900**	242,300**	314,500
Full-text electronic article downloads	3,813,582	3,590,586	2,586,653
Electronic book chapter downloads	1,126,238	763,641	647,118
Research Collections reader visits to the reading rooms	2,064	4,748	5,163
Research Collections email queries	5,586	6,854	6,590

*Note on UK eLD articles: articles were not added to the stand-alone ('beta') catalogue after November 2017, as usage was extremely low; full integration into Stella Search was completed by May 2019.

**The drop is due to the new borrowing rules, which allow more books to be borrowed for longer periods of time, leading to a steep drop in the number of renewals, which count towards the overall borrowing figure.

PUBLICATIONS, POSTERS AND PRESENTATIONS BY LIBRARY STAFF

Above: *Director's Choice: The Library of Trinity College Dublin* (Front Cover)

- Alexander, D., **Eustace-Cook, J.**, & Brenner, M. (2020). Approaches to the initiation of life-sustaining technology in children: A scoping review of changes over time. *Journal of Child Health Care*. doi:10.1177/1367493520961884

- Alexander, D., Quirke, M., **Eustace-Cook, J.**, & Brenner, M. (2020). *What are the influences on the initiation of technology dependence in children? A systematic review of reasons*. Paper presented at the Trinity Health and Education International Research Conference, Dublin.

- **Boran, E.** (2020). *Dr Steevens' Hospital in 1720: People, plans and materials*. Paper presented at the Dr Steevens' Hospital and Dublin in 1720 Seminar.

- Brennan, D., McCausland, D., O'Donovan, M. A., **Eustace-Cook, J.**, McCallion, P., & McCarron, M. (2020). Approaches to and outcomes of future planning for family carers of adults with an intellectual disability: A systematic review. *Journal of Applied Research in Intellectual Disabilities, 33*(6), 1221-1233. doi:10.1111/jar.12742

- Brenner, M., Alexander, D., Quirke, M. B., **Eustace-Cook, J.**, Leroy, P., Berry, J., . . . Masterson, K. (2020). A systematic concept analysis of 'technology dependent': Challenging the terminology. *European Journal of Pediatrics*. doi:10.1007/s00431-020-03737-x

- Buttle, L., **Neligan, C.**, & **Bioletti, S.** (2019). Egyptian papyri. J*ournal of Paper Conservation, 19*(4), 144-153. doi:10.1080/18680860.2018.1685810

- Collins, S., & **Dunne, S.** (2020). Unboxing open scholarship: Navigating cultural change for an open science university. Paper presented at the LIBER Annual Conference.

- **Doyle, V.** (2019). *Celebrating Stoker at Trinity*. Dublin: Visual Performing Arts Grant.

- **Fitzgerald, G.**, **Dunne, S.**, Biddulph, N., O'Donovan, M.-A., O'Rourke, M., Ryan, S., . . . O'Callaghan, H. (2020). Improving the university library experience of students with intellectual disabilities: A case study from an Irish institution. *Disability & Society, 35*(10), 1698-1704. doi:10.1080/09687599.2020.1781597

- Fitzgerald, G. E., O'Dwyer, T., **Mockler, D.**, O'Shea, F. D., & Wilson, F. (2020). Pharmacological treatment for managing bone health in axial spondyloarthropathy: Systematic review and meta-analysis. *Rheumatology International, 40*(9), 1369-1384. doi:10.1007/s00296-020-04623-3

- Flanagan, N., Travers, A., Vallières, F., Hansen, M., Halpin, R., **Sheaf, G.**, . . . Johnsen, A. T. (2020). Crossing borders: A systematic review identifying potential mechanisms of intergenerational trauma transmission in asylum-seeking and refugee families. *European Journal of Psychotraumatology, 11*(1), 1790283. doi:10.1080/20008198.2020.1790283

- **Gittins, E.**, & **Maxwell, J.** (2020). Performance archives in the Library of Trinity College Dublin. *ARC Magazine, 370*, 28-30.

– **Gittins, E.**, & **Maxwell, J.** (2019). *The Beckett and Rough Magic Archives in the Library of Trinity College Dublin*. Paper presented at the Performance and the Archive: Presence, Absence, and Digital Memory Conference, Galway.

– Haahr-Pedersen, I., Ershadi, A., Hyland, P., Hansen, M., Perera, C., **Sheaf, G.**, . . . Vallières, F. (2020). Polyvictimization and psychopathology among children and adolescents: A systematic review of studies using the Juvenile Victimization Questionnaire. *Child Abuse & Neglect, 107*, 104589. doi:10.1016/j.chiabu.2020.104589

– **Harpur, I.** (2019). *What's happening in Irish libraries?* Paper presented at the Systematic Reviews: Mapping the Irish Experience CONUL Seminar, Dublin.

– Hennessy, N., Neenan, K., Brady, V., Sullivan, M., **Eustace-Cooke, J.**, & Timmins, F. (2020). End of life in acute hospital setting: A systematic review of families' experience of spiritual care. *Journal of Clinical Nursing, 29*(7-8), 1041-1052. doi:10.1111/jocn.15164

– Higgins, A., Downes, C., **Sheaf, G.**, Bus, E., Connell, S., Hafford-Letchfield, T., . . . Keogh, B. (2019). Pedagogical principles and methods underpinning education of health and social care practitioners on experiences and needs of older LGBT+ people: Findings from a systematic review. *Nurse Education in Practice, 40*, 102625. doi:10.1016/j.nepr.2019.102625

– Higgins, A., Murphy, R., Barry, J., **Eustace-Cook, J.**, Monahan, M., Kroll, T., . . . Gibbons, P. (2020). Scoping review of factors influencing the implementation of group psychoeducational initiatives for people experiencing mental health difficulties and their families. *Journal of Mental Health*, 1-14. doi:10.1080/09638237.2020.1714002

– Johnston, B., McCauley, R., McQuillan, R., Rabbitte, M., Honohan, C., **Mockler, D.**, . . . May, P. (2020). Effectiveness and cost-effectiveness of out-of-hours palliative care: A systematic review. *HRB Open Research, 3*(9). doi:10.12688/hrbopenres.13006.1

– Jurček, A., Downes, C., Keogh, B., Urek, M., **Sheaf, G.**, Hafford-Letchfield, T., . . . Higgins, A. (2020). Educating health and social care practitioners on the experiences and needs of older LGBT+ adults: Findings from a systematic review. *Journal of Nursing Management*. doi:10.1111/jonm.13145

– Kenny, M., Darcy-Bewick, S., Martin, A., **Eustace-Cook, J.**, Hilliard, C., Clinton, F., . . . Hynes, G. (2020). You are at rock bottom: A qualitative systematic review of the needs of bereaved parents as they journey through the death of their child to cancer. *Journal of Psychosocial Oncology, 38*(6), 761-781. doi:10.1080/07347332.2020.1762822

– Kiernan, S., **Mockler, D.**, Ní Cheallaigh, C., & Broderick, J. (2020). Physical functioning limitations and physical activity of people experiencing homelessness: A scoping review. *HRB Open Research, 3*(14). doi:10.12688/hrbopenres.13011.1

– **Mawe, S.** (2020). Freeman Wills Crofts and the inverted mystery. In E. Mannion & B. Cliff (Eds.), *Guilt rules all: Irish mystery, detective, and crime fiction*. Syracuse: Syracuse University Press.

– McCabe, C., Patel, K. D., Fletcher, S., Winters, N., **Sheaf, G.**, Varley, J., & McCann, M. (2020). Online interprofessional education related to chronic illness for health professionals: A scoping review. *Journal of Interprofessional Care*, 1-10. doi:10.1080/13561820.2020.1749575

– **Ni Shúilleabhain, C.** (2019). *Folk music in Colum's poetry*. Paper presented at the Padraic Colum International Gathering, Longford.

– **O'Flaherty, E.** (2020). Review of "The digital archives handbook: A guide to creation, management, and preservation". *Archives and Records, 41*(1), 77-80. doi:10.1080/23257962.2019.1700356

– O'Neill, L., Reynolds, S., Sheill, G., Guinan, E., **Mockler, D.**, Geoghegan, J., . . . Hussey, J. (2020). Physical function in patients with resectable cancer of the pancreas and liver: A systematic review. *Journal of Cancer Survivorship, 14*(4), 527-544. doi:10.1007/s11764-020-00875-x

– Pilch, M., Lunt, V., May, P., **Mockler, D.**, Thomas, S., & Doyle, F. (2020). Facilitators and barriers to stakeholder engagement in advance care planning for older adults in community settings: A hybrid systematic review protocol. *HRB Open Research, 3*(38). doi:10.12688/hrbopenres.13082.1

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– Quirke, M., Alexander, D., **Eustace-Cook, J.**, & Brenner, M. (2020). *Exploring the concept of technology in children from a multidisciplinary perspective*. Paper presented at the Trinity Health and Education International Research Conference, Dublin.

– Rahman, A., O'Connor, D., Duggan, S., **Mockler, D.**, Conlon, K., Gather, F., . . . Memba, R. (2019). AB054. 117. Clinical classification and severity scoring systems in chronic pancreatitis: A systematic review. *Mesentery and Peritoneum, 3*(1).

– **Schmidt-Supprian, C.** (2020). *Making sense of the Pratchett collections in Trinity's Library, or, How Pratchett got his own web archive*. Paper presented at the Terry Pratchett at the Unseen University Conference, Online.

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